

جامعة  
الملك سعود  
King Saud University



**COLLEGE OF APPLIED  
MEDICAL SCIENCES  
ANNUAL  
RESEARCH DAY  
2018**



Rehabilitation Science Department  
قسم علوم التأهيل الصحي



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# College of Applied Medical Sciences

## Vision and Mission

### Vision

**"Regional leadership with a global reputation in the fields of applied medical sciences"**

### Mission

**"To contribute in the promotion of the health services for the Saudi community through producing qualified professionals with the ability to compete internationally in applied medical professions, to provide an environment that encourages learning and creativity, and to produce scientific research that contributes in building a knowledge society"**

## A message from the Dean of the College

It is a great pleasure for me to declare open our first research day hosted by the College of Applied Medical Sciences at King Saud University. The research day will be held annually to exhibit recent advances in the field of applied medical sciences published by faculty members, as a reminder of the great research achievements that this institution has made. Furthermore, in order to serve the vision of 2030, the college of Applied Medical Sciences has established itself as a quality center for developing and transferring knowledge in the field, as there is no doubt that our faculty has become a nationally and internationally recognizable educational and research member.

Moreover, It is gratifying to note that the agenda of our research day covers a wide range of vital and interesting issues relating to the multidisciplinary fields hosted by our college, such as clinical laboratory sciences, radiological sciences, optometry and vision sciences, health rehabilitation sciences, community health sciences, dental health sciences and biomedical technology. The purpose of this research day is to introduce collaborative opportunities and showcase the scientific research efforts carried out by our faculty. Indeed, I am very pleased and heartened to see many delegates participating in this conference, as this bodes well for the future of scientific research and development.

In closing, I encourage delegates to participate actively in the motivating discussions during this day, and I wish everyone a fruitful day of interesting and beneficial event.

**Dr. Yazeed Bin Abdul Malik Al-Sheikh**  
The Dean of the College

## A message form the Vice-Dean

It is truly an honor, and a privilege for the College of Applied Medical Sciences at King Saud University to host its first research day, which will set the stone for an annual scientific celebration of our faculty's scientific contribution in the field of applied medical sciences. I have no doubt in mind, that this day will be a worthwhile experience for the reason that it is principally designed to highlight recent research findings carried out by our faculty. Additionally, our aim from establishing this event is to enhance a productive dialogue between researchers in the field, such collaboration is the core value of 2030 vision, in strengthening scientific development and stimulate recognition and excellence internationally.

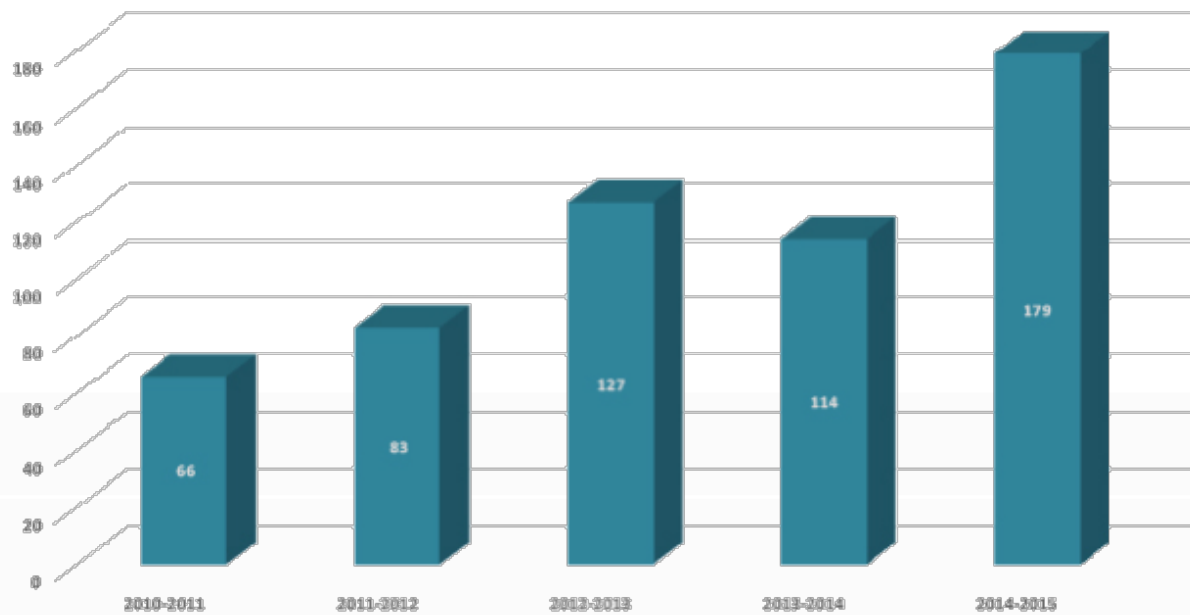
Furthermore, I am delighted that we have an opportunity before us to learn from some of the best experts in the field of applied medical sciences, as our research faculty come from an array of several academic disciplines, representing radiological sciences, clinical laboratory sciences, health rehabilitation sciences, community health sciences, optometry, vision sciences, dental health sciences and biomedical technology. As a preeminent college, we show communion to the diversity in all dimensions and open doors to all researchers to exhibit productive collaborations in order to gain valuable scientific outcome. Additionally, the goal of the research day will be to equip individuals with the relevant medical procedures and encourage them to engage in understanding current issues in the medical field.

Finally, I hope we will all walk away from this event enriched with a better understanding of contemporary issues in the field of health and medical sciences.

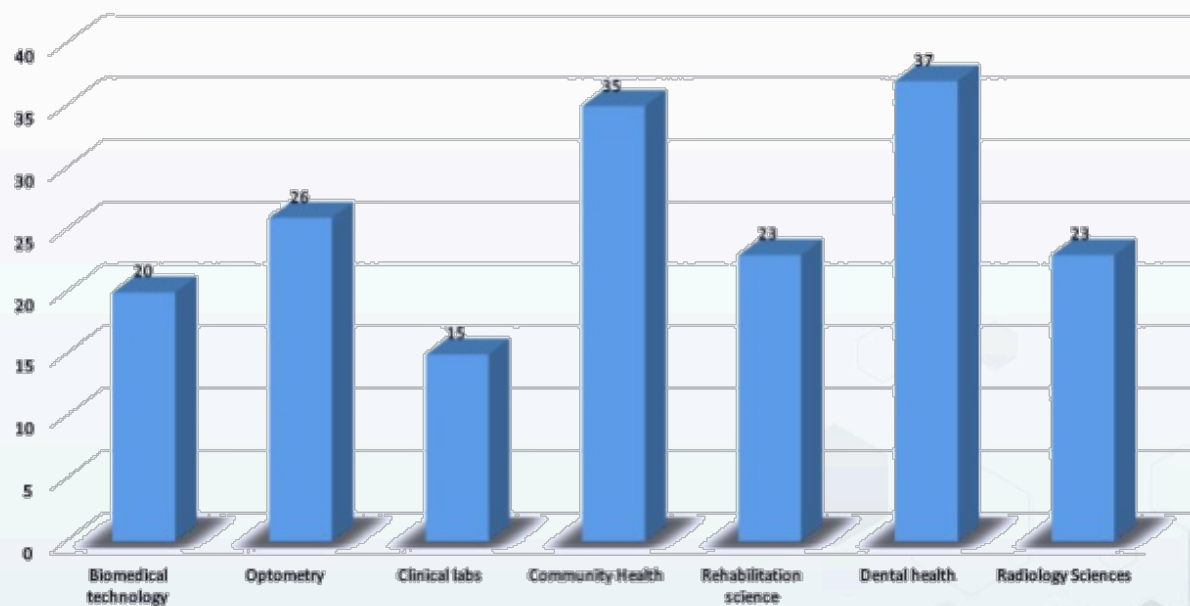
**Dr. May Alrashed**  
**Vice-Dean of the College**

## Research in Numbers

**Scientific publications During academic years 2010 Till 2015  
For Applied Medical Sciences**



**Scientific publications of CAMS departments for the academic year 2014-2015**

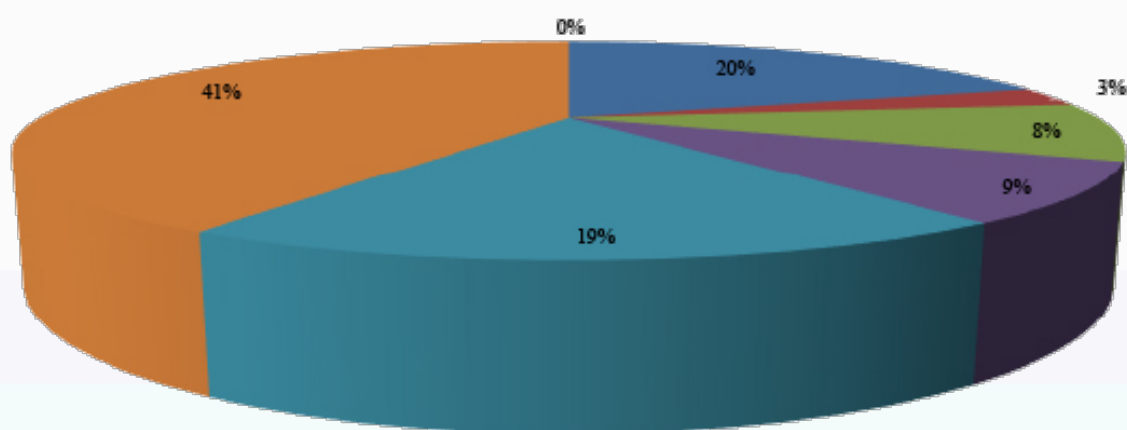


**Scientific publications in ISI Journals  
2014-2015**



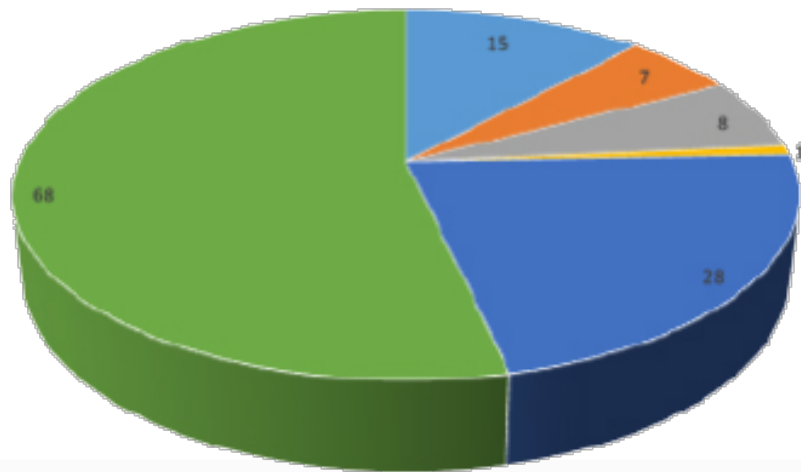
■ Rehabilitation science
■ Clinical labs
■ Radiology Sciences
■ Dental health  
■ Community Health
■ Optometry
■ Biomedical technology

**Scientific publications in Non ISI Journals 2014-2015**



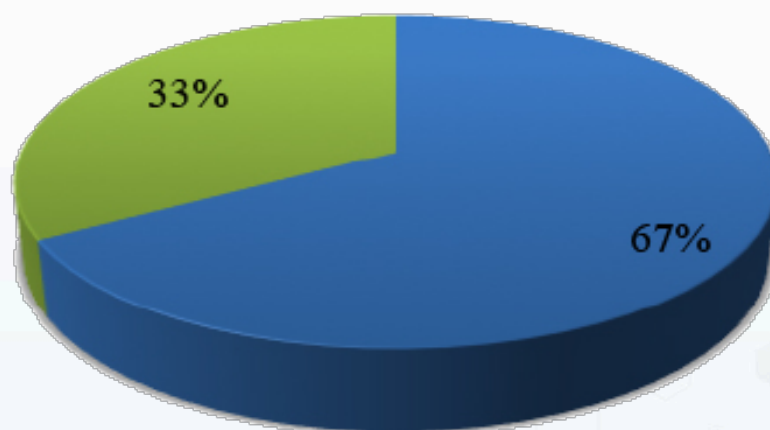
■ Rehabilitation science
■ Clinical labs
■ Radiology Sciences
■ Dental health
■ Community Health
■ Optometry
■ Biomedical technology

### Scientific publications at Conferences 2014-2015



Rehabilitation science Clinical labs Radiology Sciences Dental health Community Health Optometry Biomedical technology

### published books Number 2014-2015



Rehabilitation science Biomedical technology

## Research Day in College of Applied Medical Sciences

The Research Day is held to showcase research conducted by staff and students in the University, to reflect on the importance of research in the development of those involved and also to share experiences and ideas. The first aim of Research Day is to provide KSU's junior researchers with valuable tips and hints for a successful research career. Experts attending give a profound insight into several relevant topics important for planning a career. The second aim is to present and discuss state-of-the-art research carried out by doctoral researchers on campus. The day offers an impression of a great number of research fields and doctoral researchers present and communicate their projects to a highly interdisciplinary peer-community and benefit from profound feedback.

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College of Applied Medical Sciences



## Biomedical Technology Department

## A Brief Overview

The Biomedical Technology Department at College of Applied Medical Sciences is the first specialized academic department all over the Kingdom in the field of biomedical equipment.

Over recent years, the health care systems have seen an increase use of advanced medical devices in the diagnosis and treatment of diseases. Currently, many of the disorders in body functions can be detected by direct or indirect use and application of such devices with complicated technology. Such situations require specialized skills of professionals who are highly qualified in the development, operation, and maintenance of these complex medical devices. The preparation of such competent professional requires providing them with knowledge in areas such as: biomedical sciences, mechanical and electrical skills, medical electronics, computer technology application in the medical engineering fields, knowledge of medical equipment and biological systems principles with the ability to apply these principles, knowledge of safety procedures with the ability to plan and implement safety program for medical devices, the ability on planning and technical analysis of medical devices, interaction with the medical team, the ability to analyze biological data and medical images, and dealing with medical information systems.

## Research Scope

- Biomedical signal processing.
- Biomedical devices and Instrumentation.
- Biomedical Systems Engineering.
- Bio-signal and Medical Image Processing.
- Development and Advanced Processing Programming.
- Design of Microcomputer/Microcontroller Based Medical Instruments.
- Development of Advanced Health Care Systems.
- Modeling and Simulation in Biomedical Engineering
- Development of Intelligent Systems based Biomedical Instrumentation.
- Health Informatics.
- Decision Support Systems.
- Wireless Sensor Networks.
- Development of Medical Imaging Systems.



Name	Ali Samir Saad
Department	Biomedical Technology Department
Academic Rank	Associate Professor
Nationality	Lebanese
Specialty	Bio-Instrumentation
Research scope	Bio-Instrumentation, Signal Processing

## ISI Published Researches

Num.	Research title
1	3D Visualization of iron oxide nanoparticles in MRI of inflammatory model Ali S. Saad, Achraf Al Faraj J Vis (2015) 18:563–570, DOI 10.1007/s12650-014-0259-5
2	A computer-based image analysis for tear ferning featuring Ali S. Saad, Gamal A. El-Hiti, Ali Masmali Journal of Innovative Optical Health Sciences Vol. 8, No. 5 (2015) 1550015, DOI: 10.1142/S1793545815500157
3	Numerical study of compositional compressible degenerate two-phase flow in saturated–unsaturated heterogeneous porous media Ali S. Saad, Bilal Saad, Mazen Saad Computers & Mathematics with Applications, Volume 71, Issue 2, January 2016, Pages 565-584, <a href="https://doi.org/10.1016/j.camwa.2015.12.010">https://doi.org/10.1016/j.camwa.2015.12.010</a>



Name	Ali Saleh AlMejrad
Department	Biomedical Technology Department
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Bio-Instrumentations
Research scope	Medical Ultrasound Systems (Imaging and Doppler ) and its Quality Assurance ; Bio signal and Medical Image Processing; Algorithms Development and Advanced Processing Programming; Design of MP ,MC & Microcomputer Based Medical Instruments.

## ISI Published Researches

Num.	Research title
1	Development of in-Home Wireless Continuous Temperature Data Logging and Alarming System for Fever Monitoring in Pediatrics
2	Design and Development of in-home Wireless Crucial Events Logging and Alarming System for Elderly and Disabled People Care
3	A Novel System for Enabling a Blind Person to Use an Input Device containing at least One Key
4	A Novel Pulser Logic Method and System for a Medical Ultrasound Beamformer



Name	Nabil Alrajeh
Department	Biomedical Technology Department
Academic Rank	Professor
Nationality	Saudi
Specialty	Bio-Informatics
Research scope	Bio-Informatics, Decision Making Systems, Wireless Sensor Networks

## ISI Published Researches

Num.	Research title
1	Mahmood, D; Javaid, N; Ahmed, I; Alrajeh, N; Niaz, IA; Khan, ZA. "Multi-agent-based sharing power economy for a smart community" INTERNATIONAL JOURNAL OF ENERGY RESEARCH Volume: 41 Issue: 14 Pages: 2074-2090 DOI: 10.1002/er.3768 Published: NOV 2017 Accession Number: WOS:000413319600010
2	Ahmad, A; Javaid, N; Guizani, M; Alrajeh, N; Khan, ZA. "An Accurate and Fast Converging Short-Term Load Forecasting Model for Industrial Applications in a Smart Grid" IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS Volume: 13 Issue: 5 Pages: 2587-2596 DOI: 10.1109/TII.2016.2638322 Published: OCT 2017. Accession Number: WOS:000412361900047
3	Waseem Raza, Nadeem Javaid, Hina Nasir, Nabil Ali Alrajeh, and Nadra Guizani, "Buer-aided relay selection with equal-weight links" IEEE Communications Letters, 2017, vol.PP, no.99, pp. 1-1. doi: 10.1109/LCOMM.2017.2756833.
4	Nadeem Javaid, Usman Shakeel, Ashfaq Ahmad, Nabil Ali Alrajeh, Zahoor Ali Khan, and Nadra Guizani. "DRADS: Depth and reliability aware delay sensitive cooperative routing for underwater wireless sensor networks"

	Wireless Networks, 2017, pp. 1-13. doi:10.1007/s11276-017-1591-1.
5	Nadeem Javaid, Mudassar Naseem, Muhammad Babar Rasheed, Danish Mahmood, Shahid Ahmed Khan, Nabil Ali Alrajeh, and Zafar Iqbal. "A new heuristically optimized Home Energy Management controller for smart grid" Sustainable Cities and Society, 2017. doi: 10.1016/j.scs.2017.06.009.
6	Zahid Wadud, Sajjad Hussain, Nadeem Javaid, Safdar Hussain Bouk, Nabil Alrajeh, Mohamad Souheil Alabed, and Nadra Guizani, "An Energy Scaled and Expanded Vector-Based Forwarding Scheme for Industrial Underwater Acoustic Sensor Networks with Sink Mobility" Sensors, 2017, 17(10), 2251; doi:10.3390/s17102251.
7	Javaid, N; Ahmed, F; Wadud, Z; Alrajeh, N; Alabed, MS; Ilahi, M. "Two Hop Adaptive Vector Based Quality Forwarding for Void Hole Avoidance in Underwater WSNs" SENSORS, Volume: 17 Issue: 8 Article Number: 1762 DOI: 10.3390/s17081762 Published: AUG 2017 Accession Number: WOS:000408576900065
8	Wadud, Z; Javaid, N; Khan, MA; Alrajeh, N; Alabed, MS; Guizani, N. "Lifetime Maximization via Hole Alleviation in IoT Enabling Heterogeneous Wireless Sensor Networks" SENSORS Volume: 17 Issue: 7 Article Number: 1677 DOI: 10.3390/s17071677 Published: JUL 2017. Accession Number: WOS:000407517600216
9	Javaid, N; Ullah, I; Akbar, M Iqbal, Z; Khan, FA; Alrajeh, N; Alabed, MS. "An Intelligent Load Management System with Renewable Energy Integration for Smart Homes" IEEE ACCESS Volume: 5 Pages: 13587-13600 DOI: 10.1109/ACCESS.2017.2715225 Published: 2017 Accession Number: WOS:000411757800021.
10	Javaid, N (Javaid, Nadeem); Hafeez, T (Hafeez, Taimur); Wadud, Z (Wadud, Zahid); Alrajeh, N (Alrajeh, Nabil); Alabed, MS (Alabed, Mohamad Souheil); Guizani, N (Guizani, Nadra). "Establishing a Cooperation-Based and Void Node Avoiding Energy-Efficient Underwater WSN for a Cloud" IEEE ACCESS Volume: 5 Pages: 11582-11593 DOI: 10.1109/ACCESS.2017.2707531 Published: 2017
11	Ashfaq Ahmad, Abid Khan, Nadeem Javaid, Nabil Alrajeh, Zahoor Ali Khan, Umar Qasim "A Modified Feature Selection and Artificial Neural Network-Based Day-Ahead Load Forecasting Model for a Smart Grid", Appl. Sci. 2015, 5, 1756-1772; doi:10.3390/app5041756
12	Nadeem Javaid, Naveed Ilyas, Ashfaq Ahmad, Nabil Alrajeh, Zahoor Ali Khan, Tayyaba Liaqat, Majid Iqbal Khan "An Efficient Data-Gathering Routing Protocol for Underwater Wireless Sensor Networks" Sensors 2015, 15, 29149-29181; doi:10.3390/s151129149

13	Muhammad Babar Rasheed, Nadeem Javaid, Ashfaq Ahmad, Zahoor Ali Khan, Umar Qasim, Nabil Alrajeh “An Efficient Power Scheduling Scheme for Residential Load Management in Smart Homes” Appl. Sci. 2015, 5, 1134-1163; doi:10.3390/app5041134
14	S. Ahmed, N. Javaid, S. Yousaf, A. Ahmad, M.M. Sandhu, M. Imran, Z.A. Khan, N. Alrajeh “Co-LAEEBA: Cooperative link aware and energy efficient protocol for wireless body area networks” <a href="http://dx.doi.org/10.1016/j.chb.2014.12.051">http://dx.doi.org/10.1016/j.chb.2014.12.051</a> 0747-5632/ 2015 Elsevier Ltd. All rights reserved.
15	Amara Umar, Nadeem Javaid, Ashfaq Ahmad, Zahoor Ali Khan , Nabil Alrajeh, Amir Hayat “DEADS: Depth and Energy Aware Dominating Set Based Algorithm for Cooperative Routing along with Sink Mobility in Underwater WSNs” Sensors 2015, 15, 14458-14486; doi:10.3390/s150614458
16	Nabil Ali Alrajeh, Umair Marwat, Bilal Shams, Syed Saddam Hussain Shah “Error Correcting Codes in Wireless Sensor Networks”: An Energy Perspective, Appl. Math. Inf. Sci. 9, No. 2, 809-818 (2015)

## Published Books

Num.	Book title
1	Wireless Sensor Network – Current Status and Future Trends By: Shafiullah Khan, Al-Sakib Khan Pathan, and Nabil A;I Alrajeh ISBN: 978-1-4665-0606-0 CRC Press



Name	Omar Altwijri
Department	Biomedical Technology Department
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Bio-Simulation
Research scope	Bio-Simulation, Finite Element Analysis

## ISI Published Researches

Num.	Research title
1	Investigation of the EMG-angle relationship in the upper-limb muscles during isometric contraction. Mohammad Fazle Rabbi, Nizam Uddin Ahamed, Mahdi Alqahtani, Omar Altwijri, Kamarul Hawari Ghazali, K Sundaraj Biomedical Research 2017; 28 (6): 2393-2397
2	Age-related EMG responses of the biceps brachii muscle of young adults. Nizam Uddin Ahamed, Mahdi Alqahtani, Omar Altwijri, Matiur Rahman, Kenneth Sundaraj Biomedical Research 2016; 27 (3): 787-793
3	Gender Effects in Surface Electromyographic Activity of the Biceps Brachii Muscle during Prolonged Isometric Contraction Nizam Uddin Ahamed, Zulkifli bin md yusof , Mahdi Alqahtani , Omar Altwijri, S.A.M. Matiur Rahman, Kenneth Sundaraj 1877-0509 © 2015 The Authors. Published by Elsevier B.V.
4	Relation between EMG Signal Activation and Time Lags using Feature Analysis during Dynamic Contraction Nizam Uddin Ahamed, S.A.M Matiur Rahaman, Mahdi Alqahtani, Omar Altwijri, Nasim Ahmed, Kenneth Sundaraj 978-1-4673-8143-7/15 IEEE, 2015

5	EMG-force relationship during static contraction: Effects on sensor placement locations on biceps brachii muscle Nizam Uddin Ahamed, Kenneth Sundaraj, Mahdi Alqahtani, Omar Altwijri, Md. Asraf Ali and Md. Anamul Islam Technology and Health Care 22 (2014) 505–513, DOI 10.3233/THC-140842
6	Investigation of the EMG-time relationship of the biceps Brachii muscle during contractions Nizam UddiN ahamed, Nasim ahmed, Mahdi Alqahtani, Omar Altwijri, r. Badlishah ahmad, KeNNeth sUNdaraj J. Phys. Ther. Sci. 27: 39–40, 2015

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Age Related Differences in the Surface EMG Signals on Adolescent's Muscle during Contraction	IOP Conference Material Science and Engineering	IOP Conf. Series: Materials Science and Engineering 114 (2016) 012131 doi:10.1088/1757-899X/114/1/012131	2016



Name	Saleh Altayyar
Department	Biomedical Technology Department
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Clinical Engineering
Research scope	Maintenance Management, Bio-Mechanics

## ISI Published Researches

Num.	Research title
1	'A Comparative Study of Medical Equipment Maintenance Cost and Performance for Selected Saudi Hospitals', Saleh S. Altayyar International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-6 Issue-4, April 2017
2	'Foot Classification and Influence of Pattern Recognition', Saleh S. Altayyar, Ahmed E. Negm International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-6 Issue-4, April 2017
3	'Medical Devices and Patient Safety', Saleh S. Altayyar Journal of Analytical & Pharmaceutical Research - Volume 2 Issue 5 - 2016
4	The Impact of Custom Made Insole on the Planter Pressure of Diabetic Foot, Saleh S. Altayyar Majmaah Journal of Health Sciences, Vol(4), No. (1) 2016
5	The Importance of Plantar Pressure Measurements and Appropriate Footwear for Diabetic Patients, Saleh S. Altayyar Journal of Analytical & Pharmaceutical Research, Volume 3 Issue 3- 2016

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	The Evolution of Clinical Engineering from Equipment Control to Technology Management: The Local Experience of a Maintenance Department in a Teaching Hospital in Saudi Arabia	Conference: International Operation and Maintenance Conference	Saudi Arabia	December 2002

## Published Books

Num.	Book title
1	حذاء القدم السكري مكتبة الملك فهد الوطنية ردمك-0-978-603-02-4612

Name	Wissal Mesfar
Department	Biomedical Technology Department
Academic Rank	Assistant Professor
Nationality	Tunisian
Specialty	Bio-Mechanics
Research scope	Bio-Mechanics, Bio-Materials

## ISI Published Researches

Num.	Research title
1	Directional Contact Forces Investigation in the Upper Cervical Spine and Under Antero-Posterior Forces Applied to the Head. The 41st Annual Meeting of the American Society of Biomechanics, August 8-11, 2017, Boulder, Colorado, USA
2	Effects of Ballistic-intent Training on the Static Force Capacity of the Neck. The 41st Annual Meeting of the American Society of Biomechanics, August 8-11, 2017, Boulder, Colorado, USA
3	Path-Specific von-Mises Stresses Inflicting the Pre- and Post-THR Femur During Walking. The 41st Annual Meeting of the American Society of Biomechanics, August 8-11, 2017, Boulder, Colorado, USA
4	Upper and Lower Cervical Spine Muscles Contribution in resisting an Antero-posterior loading. The 23rd Congress of the European Society of Biomechanics, July 2-5, 2017, Seville, Spain
5	Upper cervical spine muscles contribution in resisting an antero-posterior loading applied to the head, Proceedings, 19th Biennial Meeting of the Canadian Society for Biomechanics, July 19-22, 2016, Hamilton, ON, Canada.
6	Investigation of the pre- and post-THR internal loading acting on the femoral bone during walking. Proceedings, 19th Biennial Meeting of the Canadian Society for Biomechanics, July 19-22, 2016, Hamilton, ON, Canada
7	Investigation of impact loading rate effects on the ligamentous cervical spinal load-partitioning using finite element model of functional spinal unit C2–C3 Tanvir Mustafy, Marwan El-Rich, Wissal Mesfar, Kodjo Moglo Journal of Biomechanics 47 (2014) 2891–2903
8	Effect of the transverse ligament rupture on the biomechanics of the cervical spine under a compressive loading Wissal Mesfar, Kodjo Moglo Clinical Biomechanics 28 (2013) 846–852 - <a href="http://dx.doi.org/10.1016/j.clinbiomech.2013.07.016">http://dx.doi.org/10.1016/j.clinbiomech.2013.07.016</a>

9	Knee joint biomechanics in open-kinetic-chain flexion exercises W. Mesfar, A. Shirazi-Adl Clinical Biomechanics 23 (2008) 477–482 - doi:10.1016/j.clinbiomech.2007.11.016
10	Computational biomechanics of knee joint in open kinetic chain extension exercises W. MESFAR, A. SHIRAZI-ADL Computer Methods in Biomechanics and Biomedical Engineering, Vol. 11, No. 1, February 2008, 55–61
11	Eff ect of tibial tubercle elevation on biomechanics of the entire knee joint under muscle loads A. Shirazi-Adl, W. Mesfar Clinical Biomechanics 22 (2007) 344–351 - doi:10.1016/j.clinbiomech.2006.11.003

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	DRAFT: EFFECT OF THE HEAD WEIGHT ON THE BIOMECHANICS OF THE CERVICAL SPINE UNDER THE EXTENSION AND FLEXION MOMENTS	Proceedings of the ASME 2014 International Mechanical Engineering Congress & Exposition	Montreal, Quebec, Canada	November 14-20, 2014

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College of Applied Medical Sciences



قسم علوم صحة المجتمع  
Department of Community Health Sciences



[www.ksu.edu.sa](http://www.ksu.edu.sa)

## A Brief Overview

It is considered one of the first established department in CAMS, that aims to improve the health care and services quality delivered to population and promote health by providing two programs: Clinical Nutrition and Health Education.

## Research Scope

The strategy of CHS department seeks to achieve its objects by offering a variety of research area which include chronic illness, women health, health behaviour modification, food science and technology, health systems and community interventions.



Name	Adel Abdulwahab Alhamdan
Department	Community Health Sciences Department
Academic Rank	Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research Scope	Nutrition & Older People, Nutrition & Physiological Stress

## ISI Published Researches

Num.	Research title
1	<b>Alhamdan, A. A.</b> , Alshammari, S. A., Al-Amoud, M. M., Hameed, T. A., Al-Muammar, M. N., Bindawas, S. M., Calder, P. C. (2015). Evaluation of health care services provided for older adults in primary health care centers and its internal environment: A step towards age-friendly health centers. <i>Saudi Medical Journal</i> , 36(9), 1091–1096.
2	Masoodi, T. A., Al Shammari, S. A., Al-Muammar, M. N., <b>Alhamdan, A. A.</b> , & Talluri, V. R. (2013). Exploration of deleterious single nucleotide polymorphisms in late-onset Alzheimer disease susceptibility genes. <i>Gene</i> , 512(2), 429-437.
3	Masoodi, T. A., Alsaif, M. A., Al Shammari, S. A., & <b>Alhamdan, A. A.</b> (2013). Evaluation and identification of damaged single nucleotide polymorphisms in COL1A1 gene involved in osteoporosis. <i>Archives of medical science: AMS</i> , 9(5), 899.
4	Samarkandy, M. M., Mohamed, B. A., & <b>Al-Hamdan, A. A.</b> (2012). Nutritional assessment and obesity in Down syndrome children and their siblings in Saudi Arabia. <i>Saudi medical journal</i> , 33(11), 1216-1221.
5	Veeramani, C., Al-Numair, K. S., Chandramohan, G., Alsaif, M. A., <b>Alhamdan, A. A.</b> , & Pugalendi, K. V. (2012). Antihypertensive effect of Melothria maderaspatana leaf fractions on DOCA-salt-induced hypertensive rats and identification of compounds by GC–MS analysis. <i>Journal of natural medicines</i> , 66(2), 302-310.

6	<b>Alhamdan, A. A., &amp; Masoodi, T. A. (2010).</b> Analysis of the Inhibitory Effect of Flavonoids on H-Ras Protein: An Anticancer Drug Target. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 3(2-3), 127-135.
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## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Subai, H. I., Balubaid, H. H., & <b>Alhamdan, A. A. (2014).</b> The Association between Nutritional Status Using the Mini Nutritional Assessment and the Severity of Pressure Ulcer in Elderly Hospitalized Patients at King Abdul-Aziz Medical City in Riyadh. <i>Middle East Journal of Age and Ageing</i> , 83(1195), 1-9.
2	<b>Alhamdan, A. A. (2013).</b> Neuroprotective effect of thymoquinone on repeated immobilization stress-induced oxidative stress in rats. <i>Asian J Med Sci</i> , 64, 83-91.
3	Masoodi, T. A., Al Shammari, S. A., Al-Muammar, M. N., & <b>Alhamdan, A. A. (2012).</b> Screening and evaluation of deleterious SNPs in APOE gene of Alzheimer's disease. <i>Neurology research international</i> , 2012.
4	Masoodi, T. A., Al Shammari, S. A., Al-Muammar, M. N., Almubrad, T. M., & <b>Alhamdan, A. A. (2012).</b> Screening and structural evaluation of deleterious Non-Synonymous SNPs of ePHA2 gene involved in susceptibility to cataract formation. <i>Bioinformation</i> , 8(12), 562.
5	<b>Alhamdan, A. A., &amp; Alsaif, A. A. (2011).</b> The nutritional, glutathione and oxidant status of elderly subjects admitted to a university hospital. <i>Saudi journal of gastroenterology: official journal of the Saudi Gastroenterology Association</i> , 17(1), 58.
6	Masoodi, T. A., & <b>Alhamdan, A. A. (2010).</b> Inhibitory effect of flavonoids on mutant H-Rasp21 protein. <i>Bioinformation</i> , 5(1), 11.
7	<b>Al-Hamdan, A. A., Al-Huthail, R. H., ALsaif, M. A., ALothman, A. M., Muammer, M. N., Al-Orf, S. M., ... &amp; Mohamed, B. A. (2009).</b> The effect of weight reduction diet on C-reactive protein level in obese-adult subjects. <i>J Journal of Medical Science</i> , 9(1), 17-23.
8	Alsaif, M. A., AlSultan S., <b>Alhamdan A. A.</b> , Mouawad S. A., Aloud A. A., and Al-Juraiban G., S (2009). Maternal iron deficiency and pregnancy outcome in Saudis. <i>The New Egyptian Journal of Medicine</i> , 40(3):157-166.
9	Abdelrhman B., Saeed A., Fetoohi E., <b>Alhamdan A.</b> , Al-Othman A., Bani I. (2008): Sociodemographic and feeding practices risk factors for diarrhea in children under five years in Riyadh city, Saudi Arabia. <i>Alexandria Journal of Paediatrics</i> , 22(1):31-36.
10	<b>Alhamdan A. A., (2008).</b> Body mass Index, Waist, waist to hip ratio and lipid profile in Elderly subjects living in a nursing home. <i>Journal of Medical Sciences</i> , 8(2):177-181.
11	Alsaif M. A., <b>Alhamdan A. A.</b> , Alothman A. M., Al-mummar M., Al-Attas O. S., Hakim I. A., Harris R. B., Lei D. K. Y., (2008). Variations between diagnosed and undiagnosed Saudi diabetics. <i>The New Egyptian Journal of</i>

	<i>Medicine</i> , 38(3) 131-142.
12	Alsaif M. A., <b>Alhamdan A. A.</b> , Alothman A. M., Al-mummar M., Omar S., Al-Attas O. S., Hakim I. A., Harris R. B., Lei D. K. Y., (2008). Effect of obesity on Saudi type 2 diabetics. <i>Ain Shams Medical Journal</i> . 59(9) 915-932.
13	Alsaif M. A., Khan L. K., <b>Alhamdan A. A.</b> , Alorf S. M., Alothman A. M., and Makki R. J., (2007). Dietary Factors Contributing To Osteoporosis among Post-Menopausal Saudi Women. <i>Journal of Applied Sciences</i> , 7(19):2776-2781.
14	Alsaif M. A., Khan L. K., <b>Alhamdan A. A.</b> , Alorf S. M., Alothman A. M., and Alawami S., (2007). Effects of Dietary Flavonoids Intake in Saudi Patients with Coronary Heart Disease. <i>Journal of Family &amp; Community Medicine</i> , 14(3):119-126.

Name	Badreldin Abdelrhman Mohamed
Department	Community Health
Academic Rank	Professor
Nationality	Sudanese
Specialty	Biostatistics and Epidemiology
Research scope	Biostatistics modeling

## ISI Published Research

Num.	Research title
1	Aftab Ahmed Khan, Eraj Humayun Mirza, <b>Badreldin A. Mohamed</b> , Nabeel Hussain Alharthi, Hany Sayed Abdo <sup>5</sup> , Ravish Javed, Rashed Sulaiman Alhur, Pekka K. Vallittu. Physical, mechanical, chemical and thermal properties of nanoscale graphene oxide-poly methylmethacrylate composites. J of Composite Material 2018; DOI:10.1177/00219983187546242
2	<b>Mohamed, B. A.</b> (2014). Correlates of condom use among males in North Sudan. <i>Sexual health</i> , 11(1), 31-36.
3	<b>Mohamed, B. A.</b> (2014). Correlates of condom use among males in North Sudan. <i>Sexual health</i> , 11(1), 31-36.
4	<b>Mohamed, B. A</b> and Almajwal A. M., (2013). Dietary practice among females with type 2 diabetes, Saudi Arabia. <i>Journal of Food, Agriculture and Enviroment</i> , (11) 110-114.
5	<b>Mohamed, B. A.</b> (2013). Characterization of smoking habits among female students in intermediate and secondary schools in Tabuk city, Saudi Arabia. <i>European J of Scientific Research</i> , 94 373-381.
6	<b>Mohamed, B. A.</b> , & Mahfouz, M. S. (2013). Factors associated with HIV/AIDS in Sudan. <i>BioMed research international</i> , 2013.
7	Abdalla, A. M., Saeed, A. A., <b>Abdulrahman, B. M.</b> , Al Kaabba, A. F., & Raat, H. (2009). Correlates of ever-smoking habit among adolescents in Tabuk, Saudi Arabia.
8	Abdalla A. M., Al-Kaabba A. F., Saeed A. A., <b>Mohamed B. A.</b> , Raat H., (2007) Gender differences in Cigarette Smoking Behavior among school-aged children in, Saudi Arabia. <i>Saudi Medical J</i> (28) 1102 – 1108.
9	<b>Mohamed B. A.</b> , and Al-Dogaither A H. (2004). Patients' satisfaction with pharmaceutical services at teaching hospitals, Riyadh, Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , (12) 35 – 41.
10	Al-Doghaither, A. H., <b>Abdelrhman, B. M.</b> , Saeed, A. W., & Magzoub, M. E. M. A. (2003). Factors influencing patient choice of hospitals in Riyadh, Saudi Arabia. <i>The journal of the Royal Society for the Promotion of Health</i> , 123(2), 105-109.

11	Saeed, A. A., & <b>Mohamed, B. A.</b> (2002). Patients' perspective on factors affecting utilization of primary health care centers in Riyadh, Saudi Arabia. <i>Saudi medical journal</i> , 23(10), 1237-1242.
12	<b>Mohamed, B. A.</b> , & Al-Doghaither, A. H. (2002). Missed appointments at public hospitals in Riyadh, Saudi Arabia. <i>Saudi medical journal</i> , 23(4), 388-392.
13	Al-Doghaither, A. H., and <b>Mohamed, B. A.</b> , (2001). Communication between nurse and physician: perception of physician at Riyadh, Saudi Arabia. <i>Saudi Medical Journal</i> , (3) 315- 319.
14	Al-Doghaither, A. H., <b>Mohamed, B. A.</b> , and Saeed A. A., (2000). Patients' satisfaction and their sociodemographic correlate of satisfaction with physicians' service in primary health care centers in Kuwait City, Kuwait. <i>The Journal of the Royal Society for the Promotion of Health</i> , (120) 170-174.
15	Al-Doghaither, A. H., and <b>Mohamed, B. A.</b> (2001). Patients' satisfaction with physicians' services at primary health care centers in Riyadh city, Saudi Arabia. <i>Saudi Medical Journal</i> , 262- 267.
16	Ishag, H. M., <b>Mohamed, B. A.</b> , & Ishag, K. H. (1998). Leaf development of spring wheat cultivars in an irrigated heat-stressed environment. <i>Field crops research</i> , 58(3), 167-175.
17	Ishag, H. M., & <b>Mohamed, B. A.</b> (1996). Phasic development of spring wheat and stability of yield and its components in hot environments. <i>Field crops research</i> , 46(1-3), 169-176.
18	Ali N. A., Findberg G. R., <b>Mohamed, B. A.</b> , (1992). Influence of Various Nitrogen Sources on Ionic Balance, Non-Volatile Organic Acids, nitrogen uptake and Dry Matter production of Cotton Grown under Sudan Gezira Conditions. <i>AGROCHEMICA Journal</i> , 406-411
19	Ali N. A., Findberg G. R., <b>Mohamed, B. A.</b> , (1992). Influence of the Nitrogen forms on Soil Nitrate and Nitrite Reductase Activity of Cotton Grown Under Sudan Gezira Conditions <i>AGROCHEMICA Journal</i> , 300-311

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Badreldin A Mohamed, Adel A. Alhamdan, Samarkandy M. Dietary Practice and physical activity in children with Down Syndrome and their siblings in Saudi Arabia. <i>The Canadian Journal of Clinical Nutrition</i> ; 2013, 1:37-48.
2	Abdelshakour MA, Abdalla AS, <b>Badreldin AM</b> , et al. Effect of tobacco advertisements on smoking habits among adolescents, Saudi Arabia. <b>Medical J Cairo University 2012; 80:111-119.</b>
3	<b>Badreldin A Mohamed.</b> How physician gender shapes the communication of medical care: The case of female patients. <b>Sudanese J of Public Health 2011; 6:14-20</b>
4	<b>Badreldin A Mohamed</b> , Mohamed S ElNaif, Adel A Al-hamdan,

	Abdallah A Saeed, Ranyah A. Physician as a manager: Perception of their work and their personal and managerial characteristics, Riyadh, Saudi Arabia. <b>Gezira University J of Pub Health</b> 2011; 6: 24-38.
5	<b>Badreldin A Mohamed.</b> Comparing treatment with a control using recovery of inter-block information in augmented balance incomplete block design. <b>Gezira J of Engin &amp; Appl Sci</b> 2010; 5: 30-43.
6	Adel A. Alhamdan, Rabba H Al-huthail, Mohammed A Alsaif, Abdulaziz M Al-Othman, May N Al-Muammer, Saada M Al-Orf, Abdallah A Saeed, <b>Badreldin A Mohamed.</b> The effect of weight reduction diet on C-reactive protein level in adult-obese subjects. <b>Science Alert Medical J</b> 2009; 9: 17-23.
7	<b>Badreldin A. Mohamed,</b> Abdalla A Saeed, Ebtisam M Fetohey, Adel A. Alhamdan, Abdulaziz M Al-Othman, Ibrahim Bani. Sociodemographic and feeding practices risk factors for diarrhea in children under five years in Riyadh city, Saudi Arabia. <b>Alexandria J of Pediatrics</b> 2008; 22: 31-36.
8	<b>Badreldin A. Mohamed,</b> Abdalla A Saeed, Abdelshakour M Abdalla, Abdulaz F Al-Kaabba Hein Raat. Smoking cessation attempts and their outcome among adolescents who ever smoked in Tabuk, Saudi Arabia. <b>Middle East J of Family Medicine</b> 2008; 6: 26 – 30
9	Mohammed A Alsaif, <b>Badreldin A. Mohamed.</b> Compliance with treatment in Saudi diabetics in Riyadh. <b>Ain Shams Medical J.</b> 2006; 57: 1207 – 1224.
10	<b>Badreldin A. Mohamed,</b> Mohamed S ElNaif. Physicians', nurses' and patients' Perception with hospital medical records, In Riyadh, Saudi Arabia. <b>J Family and Community Medicine</b> 2005, 12:53 – 57.
11	Naiem A Ali, <b>Badreldin A. Mohamed.</b> Ionic balance of sorghum in relation to PH, $NO_3^-$ and $NH_4^+$ in nutrient solution. <b>Sudan J of Agric Res.</b> 2003, 4; 11-15.
12	Naiem A Ali, <b>Badreldin A. Mohamed.</b> A modified chemical method for cotton stickiness grading suitable for commercial application. <b>Sudan J Agric Res.</b> 2003, 4: 69-72.
13	A H Al-Dogaither, <b>Badreldin A. Mohamed,</b> Abdalla A Saeed, Patients' satisfaction with primary health care centers services in Kuwait City, Kuwait; <b>J Family and Community Medicine</b> , 2002; 13:59-65.
14	A H Al-Dogaither, <b>Badreldin A. Mohamed,</b> Abdalla A Saeed. Satisfaction and correlates of patients' satisfaction with primary health care centers services in Riyadh city, Saudi Arabia, <b>Qatar Medical Journal</b> , 10, 583-587, 2001.
15	Elfadil A babiker, AA Salih, <b>Badreldin A. Mohamed.</b> Response of sorghum to NP fertilizers and cropping sequences on irrigated vertisols of the Rahad Scheme, Sudan. <b>Sudan J Agric Res</b> , 1999, 2, 1-8.
16	A B Mohamed, <b>Badreldin A. Mohamed,</b> A G Ibrahim. Evaluation of advanced-generation selection from a random mating population of sorghum

	with respect to variability, heritability and correlation of yield and yield components. <b>Sudan J Agric Res</b> , 1999, 2, 15-18.
17	Naiem A Ali, <b>Badreldin A. Mohamed</b> , Gunter R Findberg. Ionic balance of sorghum in relation to pH, NO <sub>3</sub> <sup>-</sup> and NH <sub>4</sub> <sup>+</sup> in the nutrient solution. <b>Sudan J Agric Res</b> , 2000, 3, 47-50.
18	A B Mohamed, <b>Badreldin A. Mohamed</b> , N O Mohamed. Response of sorghum hybrids <i>sorghum bicolor</i> L.(Moench) and their parents to nitrogen fertilization. <b>Sudan J Agric Res</b> , 1998; 1: 9-12.
19	A B Mohamed, <b>Badreldin A. Mohamed</b> . Genetic studies in an open pollinated variety of maize stock 113 ( <i>Zea mays</i> L.). Vol 1, 1995, <b>African J of Agric Science</b> .
20	A B Mohamed, <b>Badreldin A. Mohamed</b> . NPK fertilization of groundnuts ( <i>Arachis hypogaea</i> L.) under irrigated environment. <b>Sudan J of Agric Res</b> , 1:21-26, 1998.
21	E E Ali, <b>Badreldin A. Mohamed</b> , M D Mohamed, K A Mirgani. Effect of variety and some cultural practices on yield, quality, cracking and blossom-End rot of watermelon. <b>Sudan J of Agric Res</b> , 1:49-52, 1998.
22	Naiem A Ali, Osman M El-Shiekh, <b>Badreldin A. Mohamed</b> . Influence of Various Nitrogen Forms on Dry Matter, Iones uptake and Nitrogen Recovery of Long Staple Cotton Grown Under Sudan Gezira Conditions. vol 11, 1995. <b>African J of Agric Science</b> .

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Pitfalls in Biostatics	Research and Current trends	Saudi Arabia	2014
2	Sample Selection for the Gezira Scheme.	Modeling Irrigated Sector	Sudan	1992
3	Yield performance of spring wheat cultivars in multi-location in the Nile Valley Region.	Regional Co-Ordination Meeting	Syria	1995



Name	Khalid M. Almutairi
Department	Community Health Science
Academic Rank	Professor
Nationality	Saudi
Specialty	Public Health
Research scope	Public Health

## ISI Published Researches

No.	Research title
1	Almutairi KM. Satisfaction of Patients Attending in Primary Healthcare Centers in Riyadh, Saudi Arabia: A Random Cross-Sectional Study. J Relig Health. (2017), Jun;56(3):876-883. doi: 10.1007/s10943-016-0268-x.
2	Almutairi KM, Alonazi WB, Alodhayani AA, Vinluan JM, Moussa M, Al-Ajlan AS, Alsaleh K, Alruwaimi D, Alotaibi NE. Barriers to Cancer Clinical Trial Participation Among Saudi Nationals: A Cross-Sectional Study. J Relig Health. (2017) Apr;56(2):623-634. doi: 10.1007/s10943-016-0306-8.
3	Anandaraj AA, Syed Ismail PM, Namis SM, Bajnaid YJ, Shetty SB, Almutairi KM. Association of Selected Adipocytokines and Inflammatory Markers on Body Mass Index in Type 2 Diabetes Patients in Saudi Arabia and as Risk Factors to Cardiovascular Disease. Curr Diabetes Rev. (2017);13(3):330-335. doi: 10.2174/1573399812666160614014254.
4	Almutairi KM, Alodhayani AA, Alonazi WB, Vinluan JM. Assessment of Health-Related Quality of Life Among Caregivers of Patients with Cancer Diagnosis: A Cross-Sectional Study in Saudi Arabia. J Relig Health. (2017), Feb;56(1):226-237. doi: 10.1007/s10943-016-0261-4.
5	Almutairi KM, Alonazi WB, Alodhayani A, Vinluan JM, Ahmad M, Alhurishi SA, Alsadhan N, Alsalem MM, Alotaibi NE, Alaqeel AM. A

	Cross-Sectional Assessment of Literacy and Awareness, Attitudes, and Beliefs About Colorectal Cancer and Its Screening in Riyadh Region. J Cancer Educ. (2016) Nov 2. [Epub ahead of print]
6	Almutairi KM, Alhelih E, Al-Ajlan AS, Vinluan JM. A cross-sectional assessment of quality of life of colorectal cancer patients in Saudi Arabia. Clin Transl Oncol. (2016) Feb;18(2):144-52. doi: 10.1007/s12094-015-1346-3. Epub 2015 Jul 22.
7	Almutairi KM, Alodhayani AA, Moussa M, Aboshaiqah AE, Tumala RB, Vinluan JM. Ebola outbreak preparedness and preventive measures among healthcare providers in Saudi Arabia. J Infect Dev Ctries. (2016) Aug 31;10(8):829-36. doi: 10.3855/jidc.6941.
8	Ahmad M, Zakaria A, Almutairi KM. Effectiveness of minocycline and FK506 alone and in combination on enhanced behavioral and biochemical recovery from spinal cord injury in rats. Pharmacol Biochem Behav. (2016) Jun;145:45-54. doi: 10.1016/j.pbb.2016.04.003. Epub 2016 Apr 19.
9	Almutairi KM, Mansour EA, Vinluan JM. A cross-sectional assessment of quality of life of breast cancer patients in Saudi Arabia. Public Health. (2016) Jul;136:117-25. doi: 10.1016/j.puhe.2016.03.008. Epub 2016 Apr 13.
10	Almutairi, K.M. (2015). Quality of Diabetes Management in Saudi Arabia: A Review of Existing Barriers. Arch Iran Med. Dec;18(12):816-21. doi: 0151812/AIM.005. Review.
11	Almutairi KM, Ahmad M, Vinluan JM, Almutairi A. Random Cross-Sectional Determination of the Level of Awareness Among Female Saudi Patients About Breast Cancer. J Cancer Educ. 2016 Mar;31(1):131-5. doi: 10.1007/s13187-015-0795-2.
12	Almutairi, K.M., Al Helih, E.M., Moussa, M., Boshaiqah, A.E, Saleh Alajilan, A/, Vinluan. J.M, Almutairi, A. (2015). Awareness, Attitudes, and Practices Related to Coronavirus Pandemic Among Public in Saudi Arabia. Fam Community Health. Oct-Dec;38(4):332-40. doi: 10.1097/FCH.0000000000000082.
13	Almutairi, K.M. Culture and language differences as a barrier to provision of quality care by the health workforce in Saudi Arabia. Saudi Med J. 2015 Apr;36(4):425-31. doi: 10.15537/smj.2015.4.10133. Review.
14	Almutairi, K.M. (2015). Trends in Current Tobacco Use, Smoking Rates and Quit Attempts among Saudi Population during Periods of 17 Years (1996-2012): Narrative Review Article. Iran J Public Health. Feb;44(2):170-5. Review.
15	Almutairi, K.M., Moussa, M. (2014). Systematic review of quality of care in Saudi Arabia. A forecast of a high quality health care. Saudi Med J. Aug;35(8):802-9. Review.

16	Almutairi, K.M. (2014). Smoking among Saudi students: a review of risk factors and early intentions of smoking. J Community Health. Oct;39(5):901-7. doi: 10.1007/s10900-014-9909-8. Review.
17	Almutairi, K.M. Attitudes of students and employees towards the implementation of a totally smoke free university campus policy at King Saud University in Saudi Arabia: a cross sectional baseline study on smoking behavior following the implementation of policy. J Community Health. (2014) Oct;39(5):894-900. doi: 10.1007/s10900-014-9893-z.
18	Almutairi, K.M. (2014). Prevalence of tobacco use and exposure to environmental tobacco smoke among Saudi medical students in Riyadh, Saudi Arabia. J Community Health. 2014 Aug;39(4):668-73. doi: 10.1007/s10900-014-9900-4.

## Published Researches In scientific Journals (Non- ISI)

Num.	Research title
1	<b>Almutairi KM.</b> Toxic Substance in Various Food Products in Saudi Arabia: A Review of Evidenced. Biosciences, Biotechnology Research Asia. 2013, 10(2), 569-576

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Quality of care in Saudi Arabia: A forecast of a high quality health care	Healthcare, Technology, Management, & Finance 2014 Annual Conference,	USA	2014
2	Quality of care in Saudi Arabia: A forecast of a high quality health care	The Fourth International Conference on Health and Wellness Society	Canada	2014



Name	Khalid S. Alnumair
Department	Community Health Sciences
Academic Rank	Professor
Nationality	Saudi
Specialty	Community Nutrition
Research scope	1) Role of natural antioxidants in chronic diseases prevention 2) Nutrition Policy 3) Nutritional Assessment

## ISI Published Research

Num.	Research title
1	<b>Khalid S. Al-Numair</b> , Chinnadurai Veeramani, Mohammed A. Alsaif, and Govindasamy Chandramohan (2015). Influence of kaempferol, a flavonoid compound, on membrane-bound ATPases in streptozotocin-induced diabetic rats. <i>Pharmaceutical Biology</i> , 53(9):1372-8.
2	<b>Al-Numair KS</b> , Chandramohan G, Veeramani C, Alsaif MA (2015). Ameliorative effect of kaempferol, a flavonoid, on oxidative stress in streptozotocin-induced diabetic rats. <i>Redox Report</i> , 20(5):198-209.
3	Govindasamy Chandramohan, <b>Khalid S. Al-Numair</b> , Mohammed A. Alsaif and Chinnadurai Veeramani (2015). Antidiabetic effect of kaempferol a flavonoid compound, on streptozotocin-induced diabetic rats with special reference to glycoprotein components. <i>Progress in Nutrition</i> , 17 (1), 50–57.
4	Govindasamy Chandramohan, <b>K.S Al-Numair</b> , C. Veeramani, M. A. Alsaif, A. Madi Almajwal (2015). Protective effect of kaempferol, a flavonoid compound, on oxidative mitochondrial damage in streptozotocin-induced diabetic rats. <i>Progress in Nutrition</i> , 17; 3 238-244.
5	Veeramani C, <b>Al-Numair KS</b> , G. Chandramohan, M.A. Alsaif and K.V. Pugalendi (2015). Effect of ethyl acetate fraction of Melothria maderaspatana leaf on membrane bound ATPases in DOCA–salt

	induced hypertensive rats. <i>Progress in Nutrition</i> 17, 331-338.
6	<b>Khalid S. Al-Numair</b> , Chinnadurai Veeramani, Mohammed A. Alsaif and Govindasamy Chandramohan (2014). Efficacy of morin on serum and heart tissue lipids in rats subjected to isoproterenol-induced myocardial injury. <i>Progress in Nutrition</i> , 16 (1); 16-24.
7	Veeramani C, <b>Al-Numair KS</b> , Chandramohan G, Alsaif MA, Pugalendi KV (2014). Renal protective effect of <i>Melothria maderaspatana</i> leaf fraction on uninephrectomized deoxycorticosterone acetate-salt hypertensive rats. <i>Progress in Nutrition</i> 16: 204-211.
8	Veeramani C, <b>Al-Numair KS</b> , Chandramohan G, Alsaif MA, Pugalendi KV (2015). Influence of <i>Cardiospermum halicacabum</i> leaf extract on membrane bound ATPases in streptozotocin-induced diabetic rats. <i>The African Journal of Traditional, Complementary and Alternative medicines</i> 12(3):68-74.
9	<b>Khalid S. Al-Numair</b> , Govindasamy Chandramohan, Mohammed A. Alsaif, Chinnadurai Veeramani and Ahmed S. El Newehy (2014). Morin, a flavonoid, on lipid peroxidation and antioxidant status in experimental myocardial ischemic rats. <i>The African Journal of Traditional, Complementary and Alternative medicines</i> , 11(3):14-20.



Name	Mohammed A. Alsaif
Department	Community Health Sciences
Academic Rank	Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	1) Role of natural antioxidants in chronic diseases prevention 2) Nutrition Policy 3) Nutritional Assessment

## ISI Published Research

Num.	Research title
1	Khalid S. Al-Numair, Chinnadurai Veeramani, <b>Mohammed A. Alsaif</b> , and Govindasamy Chandramohan (2015). Influence of kaempferol, a flavonoid compound, on membrane-bound ATPases in streptozotocin-induced diabetic rats. <i>Pharmaceutical Biology</i> , 53(9),1372-8.
2	Al-Numair KS, Chandramohan G, Veeramani C, <b>Alsaif MA</b> (2015). Ameliorative effect of kaempferol, a flavonoid, on oxidative stress in streptozotocin-induced diabetic rats. <i>Redox Report</i> , 20(5),198-209.
3	Govindasamy Chandramohan, Khalid S. Al-Numair, <b>Mohammed A. Alsaif</b> and Chinnadurai Veeramani (2015). Antidiabetic effect of kaempferol a flavonoid compound, on streptozotocin-induced diabetic rats with special reference to glycoprotein components. <i>Progress in Nutrition</i> , 17(1); 50–57.
4	Govindasamy Chandramohan, K.S Al-Numair, C. Veeramani, <b>M. A. Alsaif</b> , A. Madi Almajwal (2015). Protective effect of kaempferol, a flavonoid compound, on oxidative mitochondrial damage in streptozotocin-induced diabetic rats. <i>Progress in Nutrition</i> , 17(3), 238-244.
5	Veeramani C, Al-Numair KS, G. Chandramohan, <b>M.A. Alsaif</b> and

	K.V. Pugalendi (2015). Effect of ethyl acetate fraction of <i>Melothria maderaspatana</i> leaf on membrane bound ATPases in DOCA–salt induced hypertensive rats. <i>Progress in Nutrition</i> , 17; 331-338.
6	Veeramani C, Al-Numair KS, Chandramohan G, <b>Alsaif MA</b> , Pugalendi KV (2015). Influence of <i>Cardiospermum halicacabum</i> leaf extract on membrane bound ATPases in streptozotocin-induced diabetic rats. <i>The African Journal of Traditional, Complementary and Alternative medicines</i> 12(3),68-74
7	Khalid S. Al-Numair, Chinnadurai Veeramani, <b>Mohammed A. Alsaif</b> and Govindasamy Chandramohan (2014). Efficacy of morin on serum and heart tissue lipids in rats subjected to isoproterenol-induced myocardial injury. <i>Progress in Nutrition</i> , 16 (1), 16-24.
8	Veeramani C, Al-Numair KS, Chandramohan G, <b>Alsaif MA</b> , Pugalendi KV (2014). Renal protective effect of <i>Melothria maderaspatana</i> leaf fraction on uninephrectomized deoxycorticosterone acetate–salt hypertensive rats. <i>Progress in Nutrition</i> , 16, 204-211.
9	Khalid S. Al-Numair, Govindasamy Chandramohan, <b>Mohammed A. Alsaif</b> , Chinnadurai Veeramani and Ahmed S. El Newehy (2014). Morin, a flavonoid, on lipid peroxidation and antioxidant status in experimental myocardial ischemic rats. <i>The African Journal of Traditional, Complementary and Alternative medicines</i> , 11(3),14-20.



Name	Ali Madi Almajwal
Department	Community Health Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Energy metabolism, and Obesity

## ISI Published Research

Num.	Research title
1	<b>Almajwal, A. M.</b> , Williams, P. G., & Batterham, M. J. (2011). Validity of the BodyGem calorimeter and prediction equations for the assessment of resting energy expenditure in overweight and obese Saudi males. <i>Saudi medical journal</i> , 32(7), 718-724.
2	Rababah, T. M., Al-u'datt, M., <b>Almajwal, A.</b> , Brewer, S., Feng, H., Al-Mahasneh, M., & Yang, W. (2012). Evaluation of the nutraceutical, physiochemical and sensory properties of raisin jam. <i>Journal of food science</i> , 77(6).
4	Elsadek, M. F., El-Basset, M. A., & <b>Almajwal, A.</b> (2013). Antihyperglycemic and antihyperlipidemic effects of olive and fenugreek leaves in alloxan-induced diabetic rats. <i>Progress in Nutrition</i> , 15(3), 175-183.
5	Mohamed, B. A., <b>Almajwal, A. M.</b> , Saeed, A. A., & Bani, I. A. (2013). Dietary practices among patients with type 2 diabetes in Riyadh, Saudi Arabia. <i>J Food AGric Environ</i> , 11(2), 110-114.
6	Rababah, T. M., Al-u'datt, M., Ereifej, K., <b>Almajwal, A.</b> , Al-Mahasneh, M., Brewer, S., & Yang, W. (2013). Chemical, functional and sensory properties of carob juice. <i>Journal of Food Quality</i> , 36(4), 238-244.
7	Abulmeaty, M. M., Ahmed, S. A., & Almajwal, A. M. (2014). Apelin is promising in management of diabetes complicating high fat diet induced obesity in rats. <i>Progress in Nutrition</i> , 15(4), 245-254.
8	Rababah, T. M., A., Al-Mahasneh, Al-u'datt, M., Ereifej, K., Isra Kilani, <b>Almajwal, A.</b> , Brewer S., Yang W., Awaishah S., (2014). Effect of jam processing on physicochemical properties of different fruits during storage. <i>J Food Agri Env</i> , 12(2):277-280.

9	Chandramohan, G., Al-Numair, K. S., Veeramani, C., Alsaif, M. A., & <b>Almajwal, A. M.</b> (2015). Protective effect of kaempferol, a flavonoid compound, on oxidative mitochondrial damage in streptozotocin-induced diabetic rats. <i>Progress in Nutrition</i> , 17(3), 238-244.
10	El-Shafie, M., Elmasry, H. G., Elsadek, M. F. B., & <b>AlMajwal, A. M.</b> (2015). Curative effect of orally consumed Aloe vera juice on Ochratoxin A-induced nephrotoxicity in rats. <i>Progress in nutrition</i> , 17(2), 128-136.
11	Rababah, T. M., Alhamad, M., Al-Mahasneh, M., Ereifej, K., Andrade, J., Altarifi, B., & Yang, W. (2015). Effects of drying process on total phenolics, antioxidant activity and flavonoid contents of common mediterranean herbs. <i>International Journal of Agricultural and Biological Engineering</i> , 8(2), 145.
11	<b>Almajwal, A.</b> , & Farouk Elsadek, M. (2015). Lipid-lowering and hepatoprotective effects of Vitis vinifera dried seeds on paracetamol-induced hepatotoxicity in rats. <i>Nutrition research and practice</i> , 9(1), 37-42.
12	<b>Almajwal, A. M.</b> (2015). Correlations of physical activity, body mass index, shift duty, and selected eating habits among nurses in Riyadh, Saudi Arabia. <i>Ecology of food and nutrition</i> , 54(4), 397-417.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	<b>Almajwal A.</b> , Phillips S., Page S., El-Qudah J., and Alothman A., (2011). Assessment of vitamin A and selected nutrients in a sample of pregnant women from Montreal, using the EAR cut-point method. <i>New Egyptian Journal of Medicine</i> , 45(5).
2	Peck S., <b>Almajwal A.</b> , Williams P., and El-Qudah J., (2011). Evaluation of nutritional adequacy of popular fad diets in Saudi Arabia. <i>New Egypt J Med</i> , 45 (6): 398-513.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Fat mass index and visceral fat area are better predictors of body adiposity and obesity diagnosis.	3 <sup>rd</sup> international conference and exhibition on obesity and weight management	USA	J Obes Weight Loss Ther <b>2014</b> , 4:5.
2	Validity of prediction equations for the assessment of REE in sample of Saudi males.	4 <sup>th</sup> Annual Middle East Congress on Clinical Nutrition	UAE	Diabetes Care, (Middle East Edition). <b>2015</b> ; 12(2): p14.



Name	Iftikhar Alam Abdul Ghaffar
Department	Community Health Sciences (CHS)
Academic Rank	Associate Professor
Nationality	Pakistani
Specialty	Clinical Nutrition
Research scope	Clinical, geriatric, community, policy

## ISI published Researches

No.	Research title
2	Jamil Ahmad, Imran Khan, Stuart K. Johnson, <b>Iftikhar Alam</b> & Zia ud Din. <i>Effect of Incorporating Stevia and Moringa in Cookies on Postprandial Glycemia, Appetite, Palatability, and Gastrointestinal Well-Being.</i> J Am Coll Nutr. (2018), doi: 10.1080/07315724. (2017),1372821. Epub 2017 Dec 22.
3	Paracha PI, Bakht S, Paracha SI, <b>Iftikhar Alam</b> , et al. <i>Nutritional status, dietary practices and physical activities of adolescents in public and private schools of Karachi, Pakistan.</i> Obes Res Open J. (2016), doi: 10.17140/ OROJ-3-125.
4	Alam I, Hassan S, <b>Alam I</b> , et al. <i>PAIgG and PAIgM levels in secondary dengue virus infections leads to thrombocytopenia in patients.</i> Asian Pac J Trop Biomed. (2015), doi: <a href="https://doi.org/10.1016/j.apjtb.2015.07.003">https://doi.org/10.1016/j.apjtb.2015.07.003</a>
5	Alam I, Ali I, Ali S, <b>Alam I</b> , Farzana, et al. <i>Impact of Combination Interferon Therapy on the Body Weight, Body Fat and Lean Body Mass of Chronic HCV Infected Patients.</i> J Antivir Antiretrovir 6: 001-005 (2013). doi:10.4172/jaa.1000087
6	Goldeck D, Larbi A, Pellicanó M, <b>Alam I</b> , Zerr I, et al. 2013. <i>Enhanced Chemokine Receptor Expression on Leukocytes of Patients with Alzheimer's Disease.</i> PLoS ONE. 8(6): e66664 (2013). doi:10.1371/journal.pone.0066664.
7	Ullah N, <b>Alam I</b> . <i>Nutritional care of patients with pressure ulcers: Some evidence based guidelines.</i> Pak J Med Sci. 2012; Vol. 28 No. 1

8	<b>Alam I</b> , Alam I, Paracha PI, Pawelec G. 2012. <i>Higher estimates of daily dietary net endogenous acid production (NEAP) in the elderly as compared to the young in a healthy, free-living elderly population of Pakistan</i> . Clinical Interventions in Aging. 7. 565 – 573 Clin Interv Aging. 2012;7:565-73. doi: 10.2147/CIA.S37158.
9	<b>Alam I</b> , Tze Pin Ng, Anis Larbi. <i>Does inflammation determine whether obesity is metabolically Healthy or unhealthy? : The aging perspective</i> . Mediators of Inflammation. 2012. 456456. doi:10.1155/2012/456456
10	Alam I, <b>Alam I</b> , Ullah N, Ali I. <i>The effects on and underlying mechanism of interferon therapy on body weight and body composition</i> . Pak J Pharm Sci. 2012. 26(16); pp.1251-1257 1151
11	Alam, I. and Pawelec, G., 2012. <i>Aging, nutrition and immunity—their relationship and interaction</i> . Nutrition and Aging, 1(3, 4), pp.151-165.
12	<b>Alam I</b> , Larbi A, Pawelec G. <i>Aging affects the number of T and B cells in a group of elderly in developing countries – a pilot study from Pakistan</i> . AGE. 35: 1521. (2013) <a href="https://doi.org/10.1007/s11357-012-9455-1">https://doi.org/10.1007/s11357-012-9455-1</a>
13	<b>Alam I</b> , Larbi A, Pawelec G. Paracha PI. <i>A comparison of anthropometrics, biochemical variables and nutrient intake between young and elderly men</i> . J Aging Res & Clin Prac. <b>2012</b> ; 1(2): 116-24.).
14	<b>Alam I</b> , Larbi A, Pawelec G. <i>Nutritional status influences peripheral immune cell phenotypes in healthy men in rural Pakistan</i> . Immun Ageing <b>2012</b> ; 9:16 doi:10.1186/1742-4933-9-16.
15	<b>Alam I</b> , David Goldeck, Anis Larbi, Graham Pawelec. 2011. <i>Flow cytometric lymphocyte subset analysis using material from frozen whole blood</i> . J Immunoassay Immunochem. <b>2012</b> ; 33(2):128-39.
16	<b>Iftikhar Alam</b> and Niamat Ullah. <i>Qur-an, human embryology and nutrition</i> . SMJ. <b>2006</b> . Vol. 27 (10): 1603-1605.
17	<b>Iftikhar Alam</b> . <i>Fundamental rights of infants are guaranteed in Islam – Breast feeding is mandatory</i> . Saudi Med., J. <b>2007</b> . 28(2):297-9

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	<b>Iftikhar Alam</b> , Attaullah Jan, Shamoon Noushad, Zahoor-ul-Haq 2017. <i>Curriculum for BS Study program in Nutrition &amp; Dietetics – Assessment and Evaluation</i> . Esc Res. 2017; vol 5(3):5-16
2	Pooja Longani , Zia ud Din, Muhammad Abbas, Saleem Khan, <b>Iftikhar Alam</b> , Zahoor Ahmad, Imran Khan, Muhammad Hussain, Zafar Iqbal , Mudassar Iqbal. <i>Determinants of Dietary Patterns in Minority Women in North West Pakistan</i> . <i>American Journal of Food Science and Health</i> . 2016; Vol. 2(1):1-6.
3	Fawad Karim, Ibrar Alam, Abu Nasar. <b>Iftikhar Alam</b> . <i>Incidence of active HCV infection amongst blood donors of district Mardan, Pakistan</i> . <i>Asian Pacific Journal of Cancer Prevention</i> . 2015. Vol 17(1): 135-138
4	Gul R, <b>Alam I</b> , Khan S, Alam I. 2015. <i>Aging and obesity affect the number of b and nk cells in a Pakistani cohort of young and elderly women</i> . <i>IJFNS</i> . 2015; Vol 3 (6): 1-
5	<b>Alam I et al</b> . <i>Impact of Combination Interferon Therapy on the Body Weight, Body Fat and Lean Body Mass of Chronic HCV Infected Patients</i> . <i>J Antivir Antiretrovir</i> 6:001-005. doi: 10.4172/jaa.1000087
6	Gul R, <b>Alam I</b> , Alam I, Khan S, Paracha PI. <i>Aging affects the number of WBC and its subsets in a Pakistani cohort of young and elderly women</i> . <i>ARPN J of Agri &amp; Bio Sci</i> . 2013; 8:9. 638-641.
7	Ullah N, <b>Alam I</b> , Aurang Zeb, Najma Iqbal and Alam Khan. <i>Proximate composition of the prepared dishes of district Mardan and Peshawar</i> . <i>ARPN J of Agri &amp; Bio Sci</i> . 2013; 8:9. 364-372.
8	Farukh Tabassum, Alam Khan, <b>Alam I</b> , et al. <i>Determination of glycemic indices and glycemic loads of various types of cereal foods</i> . <i>ARPN J of Agri &amp; Bio Sci</i> . 2013; 8:6. 493-497
9	<b>Alam I</b> , and Parvez Iqbal Paracha. <i>Caring for the Muslim patients-some religious issues</i> . <i>Int. Med J</i> . 2009. Vol. 8 No 1.
10	<b>Alam I, et al</b> . <i>Prisoners' women and children - from Nutrition perspectives</i> . <i>Sar.J.Agr</i> . 2008. 24 (1) 123-27.
11	Mohammad Ayub, Quasid Ahmad, Mohammad Abbas, Ihsan Mabood Qazi, and <b>Iftikhar Alam</b> . <i>Composition and adulteration analysis of milk samples</i> . <i>Sarhad J. Agric</i> . 2008. Vol. 23, No. 4, pp 1127-1131.
12	<b>Alam I</b> , and Paracha PI. <i>Breastfeeding during Crises and Emergencies</i> . <i>Int. J. of Med. and Bio. Frontiers</i> ; 2009; vol. 16, issue: 9-10.
13	<b>Iftikhar Alam</b> , Safoora Khan, Niamat Ullah. <i>General and nutritional protocol of nasogastric (NG) feeding of neonates in a public hospital of Peshawar, NWFP</i> . <i>Rawal Med J</i> June 2006; 31(1):25-8.
14	Khan IA, Hassan G, Marwat KB, <b>Alam I</b> . <i>Yield and yield components of wheat affected by wild oats (Avena fatua) densities under irrigated conditions</i> . <i>Herbologia</i> . 2006. Vol 7:2
15	Safya A., <b>Iftikhar Alam</b> , Niamat Ullah, Fozia H., M. Abbas, S. Khan, Zia

	Ud Din, Zafar Iqbal. <i>Garlic and its importance in human nutrition</i> . PUTAJ. 2006; 18 (20), 111-120.
16	<b>Iftikhar Alam</b> , Niamatullah, Muhammad Abbas, Zia-ud-Din and Saleem Khan. <i>Calcium Fortification of Vinegar with Chicken Eggshells</i> . Sarhad journal of Agriculture. 2006; 22:4. 681-684.
17	<b>Iftikhar Alam</b> , Ijaz Ahmad Khan and Wajahat Nazif. <i>Weeds as Human Food-A Conquest for Cheaper Mineral Sources</i> . Journal of Biological Sciences. 2006. Vol 1, No.2.
18	Sajida Parveen, Wajahat Nazif, Mian Furqan Ahmad, Ahmad Khan and <b>Iftikhar Alam</b> . 2006. <i>Nutritional status of different orchards irrigated with wastewater in district Peshawar</i> . Journal of Biological Sciences. 2006. Vol 1(1).23-28
19	<b>Iftikhar Alam</b> and Niamat Ullah. 2006. <i>Dietary Patterns of Macro and Micro-nutrients Intake of Children and Mothers of the Christian Community Living in Peshawar</i> . Pak J Med Res. 2006; 45:3, 2006.
20	<b>Iftikhar Alam</b> et al. <i>Formulation and Nutritional Facts in Respect of Bakery Products of Peshawar and Mardan Divisions</i> . Sarhad J. Agric. 2003. Vol.19. No.1, 2003).
21	<b>Iftikhar Alam</b> et al. <i>Nutrient Density of Confectionery Products Consumed in Peshawar and Mardan Divisions (NWFP)</i> . Sarhad J. Agric. 2003. Vol.19. No.4
22	<b>Iftikhar Alam</b> et al. <i>Ingredient and Chemical Composition of Biscuits Available in Peshawar and Mardan divisions</i> . Sarhad J. Agric. 2003; Vol.19. No.2.
23	Saleem Khan, M. Abbas, Fozia Habib, <b>Iftikhar Aam</b> , and N. Iqbal. 2007. <i>Prevalence of diabetes mellitus in Mirpur and Kotli districts of Azad Jammu &amp; Kashmir (AJ&amp;K)</i> . Sarhad J. Agric. 2007. Vol. 23, No. 4

## Published Books

Num.	Book title
1	Nutrition and Dietetics – Education & Practice
2	Breastfeeding: Methods, Benefits to the Infant and Mother, and Difficulties

Name	May Nasser AL-Mummar
Department	Community Health
Academic Rank	Associate Professor of Clinical Nutrition
Nationality	Saudi
Specialty	Clinical nutrition
Research scope	Clinical nutrition

## ISI Published Research

Num.	Research title
1	<b>Al-Muammar, M. N.</b> , Ahmad, S. M., Mahboub, S. M., Fetohy, A. A., Elareefy, A. A., & Feroze, S. (2013). Behaviour of consumers towards probiotic containing products and its related factors. <i>IJBPAS</i> , 2(2), 208-219.
2	Mahboub, S. M., <b>Al-Muammar, M. N.</b> , & Elareefy, A. A. (2014). Evaluation of the prevalence and correlated factors for decreased bone mass density among pre-and post-menopausal educated working women in Saudi Arabia. <i>Journal of health, population, and nutrition</i> , 32(3), 513.
3	Masoodi, T. A., Al Shammari, S. A., <b>Al-Muammar, M. N.</b> , Alhamdan, A. A., & Talluri, V. R. (2013). Exploration of deleterious single nucleotide polymorphisms in late-onset Alzheimer disease susceptibility genes. <i>Gene</i> , 512(2), 429-437
4	Masoodi, T. A., Al Shammari, S. A., <b>Al-Muammar, M. N.</b> , Almubrad, T. M., & Alhamdan, A. A. (2012). Screening and structural evaluation of deleterious Non-Synonymous SNPs of ePHA2 gene involved in susceptibility to cataract formation. <i>Bioinformation</i> , 8(12), 562.
5	Masoodi, T. A., Al Shammari, S. A., <b>Al-Muammar, M. N.</b> , & Alhamdan, A. A. (2012). Screening and evaluation of deleterious SNPs in APOE gene of Alzheimer's disease. <i>Neurology research international</i> , 2012.
6	<b>Al-Muammar, M. N.</b> , & Khan, F. (2012). Obesity: the preventive role of the pomegranate ( <i>Punica granatum</i> ). <i>Nutrition</i> , 28(6), 595-604.
7	Al-Hamdan, A. A., Al-Huthail, R. H., ALsaif, M. A., ALothman, A. M., <b>Muammer, M. N.</b> , Al-Orf, S. M., ... & Mohamed, B. A. (2009). The effect of weight reduction diet on C-reactive protein level in obese-adult subjects. <i>J Med Sci</i> , 9(1), 17-23

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	<b>Al-Muammar, M. N.</b> , El-Shafie, M., & Feroze, S. (2014). Association between dietary habits and body mass index of adolescent females in intermediate schools in Riyadh, Saudi Arabia/association entre les habitudes alimentaires et l'indice de masse corporelle chez des collegiennes a Riyad (Arabie saoudite). <i>Eastern Mediterranean Health Journal</i> , 20(1), 39.
2	Khan, F., Rishah, N. A. A., Al-Neghaimshi, H. S., Alhomaidhi, N. A., Siddiqui, A. A., <b>Al-Muammar, M. N.</b> , ... & ElShafie, M. (2013). Assessment of nutritional status of Alzheimer patients in Riyadh, Saudi Arabia. <i>International Journal of Health Sciences and Research</i> , 3(4), 1-10.
3	Mohammed A. Alsaif, Adel A. Alhamdan, Abdulaziz M. Alothman, <b>May Al-mummar</b> , Omar S. Al-Attas, Iman A. Hakim, Robin B. Harris, David K. Y. Lei. Variations between diagnosed and undiagnosed Saudi diabetics. <i>The New Egyptian Journal of Medicine</i> 38(3) 131-142, March 2008.
4	Mohammed A. Alsaif, Adel A. Alhamdan, Abdulaziz M. Alothman, <b>May Al-mummar</b> , Omar S. Al-Attas, Iman A. Hakim, Robin B. Harris, David K. Y. Lei. Effect of obesity on Saudi type 2 diabetics. <i>Ain Shams Medical Journal</i> 2008. Accepted for publication.
5	<b>May Al-mummar</b> , The Effect of the Duration of Breast-Feeding on the Risk of Overweight among Four Years Old Saudi Children. <i>The New Egyptian Journal of Medicine</i> (Dec 2006), 35(6); 295-301.



Name	Mohammed Fawzi Hafez Farahat
Department	Community Health Sciences
Academic Rank	Associate professor
Nationality	Egyptian
Specialty	Public Health Sciences
Research scope	Nutrition, Food safety

## ISI Published Research

Num.	Research title
1	<b>Farahat, M. F.</b> , El-Shafie, M. M., & Waly, M. I. (2015). Food safety knowledge and practices among Saudi women. <i>Food control</i> , 47, 427-435.
2	Al-Numair, K. S., Waly, M. I., Ali, A., Essa, M. M., <b>Farhat, M. F.</b> , & Alsaif, M. A. (2011). Dietary folate protects against azoxymethane-induced aberrant crypt foci development and oxidative stress in rat colon. <i>Experimental Biology and Medicine</i> , 236(9), 1005-1011.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1.	<b>Fawzi, M.</b> , & Shama, M. E. (2009). Food safety knowledge and practices among women working in Alexandria University, Egypt. <i>Egypt Public Health Assoc</i> , 84(1), 95-17.
2.	<b>Fawzi, M.</b> , Gomaa, N. F., & Bakr, W. M. (2009). Assessment of hand washing facilities, personal hygiene and the bacteriological quality of hand washes in some grocery and dairy shops in Alexandria, Egypt. <i>J Egypt public health assoc</i> , 84(1), 2.
3.	El Derea, H., Salem, E., <b>Fawzi, M.</b> , & Abdel Azeem, M. (2008). Safety of

	patient meals in 2 hospitals in Alexandria, Egypt before and after training of food handlers.
4.	Kassem MM, <b>Fawzi M</b> , Rashwan OA, Abou ELela N, Abd Allah AM. Microbial contamination and levels of heavy metals in packaged and loose varieties of some herbs sold in the markets. <i>Bull National Nutr Instit</i> 2007; 31: 48-55.
5.	<b>Fawzi M</b> , Kassem MM, Afifi EA, Rashwan OA, Omar SR. Handling of infant milk formulas and its impact on their microbiological quality during bottle feeding. <i>Bull National Nutr Instit</i> 2007; 30: 36-45
6.	Abdel-Salam MM, <b>Fawzi M</b> , Abu Zuid G, Galal S. Sanitation improvement of micro-scale dairy enterprises and upgrading the bacteriological quality of their products through application of in-plant control. <i>Bull High Inst Pub Hlth</i> 2006; 36(2): 525 -38.
7.	Mosaad NA, <b>Fawzi M</b> , Abdalla AA. Determination of some antibiotics residues in chickens. In: <i>Proc 2<sup>nd</sup> Conf Anim Prod Res Inst</i> ; 2005 Sept 27-29; Sakha, Kafr EL-Sheikh, Egypt.
8.	Bakr, W. M., <b>Fawzi, M.</b> , & Hashish, M. H. (2004). Detection of coagulase positive staphylococci in meat products sold in Alexandria using two different media. <i>The Journal of the Egyptian Public Health Association</i> , 79(1-2), 31-42.
9.	El Derea, H. B., Omara, A. A., <b>Fawzi, M.</b> , & Mady, A. (2003). Mastitis and milk quality in a machine milking farm. <i>Bulletin of High Institute of Public Health</i> , 33(4), 727-736.
10.	Fawzi, M., El-Sahn, A. A., Ibrahim, H. F., & Shehata, A. I. (2004). Vegetable-transmitted parasites among inhabitants of El-Prince, Alexandria and its relation to housewives' knowledge and practices. <i>The Journal of the Egyptian Public Health Association</i> , 79(1-2), 13-29.
11.	<b>Fawzi, M.</b> , Gomaa, N. F., & Kassem, M. M. (2003). Handling of dairy products and its impact on their microbiological quality. <i>Bulletin of High Institute of Public Health</i> , 33(1), 157-172.
12.	Salem EG, Omara AA, EL-Tawila M, Balat M, <b>Fawzi M</b> , Ahmed N. Antibiotics and hormones residues in chicken. In: <i>Proc Internal Conf Food Safety</i> ; 2003 March 24-26; Sultanate of Oman.
13.	EL-Tawila M, Hamouda AF, <b>Fawzi M</b> , Nakhla S. Study of mycoflora and Ochratoxin A in some foods sold in Alexandria markets, Egypt. In: <i>Proc Internal Conf Food Safety</i> ; 2003 March 24-26; Sultanate of Oman.
14.	Gomaa, N. F., <b>Fawzi, M.</b> , Ibrahim, N. K., & Ghoneim, E. (2002). Assessment of safety of frozen foods. <i>The Journal of the Egyptian Public Health Association</i> , 77(5-6), 499-515.
15.	<b>Fawzi M</b> , Gomaa NF, Omara AH, Hassan M. Safety of students' meals served in

	a kitchen of Alexandria University hostels. Bull High Inst Publ Hlth, 2001: 31(3); 487-504
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## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1.	Farouk N, <b>Farahat M</b> , Gheith O, EL-Derea H, AL-Ahwal A. Majorana as an organic food preservative in milk products and cereals. 20 <sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University: 5-7th May, 2015	20 <sup>th</sup> Health Sciences Centre Poster Conference	Kuwait	2015
2.	Farouk N, <b>Farahat M</b> , Gheith O, EL-Derea H, AL-Ahwal A.. Critical use of Origanum majorana as an organic food preservative in milk products. 19 <sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University: May 6 - 8, 2014	19 <sup>th</sup> Health Sciences Centre Poster Conference	Kuwait	2014
3.	Farouk N, Gheith O, <b>Farahat M</b> , EL-Derea H, AL-Ahwal A.. Origanum majorana as an organic food preservative in milk products and cereals. 18 <sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University: May 7 - 9, 2013	18 <sup>th</sup> Health Sciences Centre Poster Conference	Kuwait	2013
4.	Farouk N, Gheith O, <b>Farahat M</b> , EL-Derea H, AL-Ahwal A.. Evaluation of the use of Origanum majorana as an organic food preservative in chicken, meat products, milk products and cereals. 17 <sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University: May 8-10, 2012	17 <sup>th</sup> Health Sciences Centre Poster Conference	Kuwait	2012

## Published Books

Num.	Book title
1	Mostafa Waly, Amanat Ali, Mohamed Essa, <b>Mohamed Farhat</b> and Yahya Al-Farsi. Coffee, Caffeine and Human Health. In: Mohamed Essa, A. Manickavasagan and E. Sukumar. Natural Products and their Active Compounds on Disease Prevention. Food Science and Technology series. Ebook. ISBN: 978-1-62100-300-7. Pub. Date: 2012 1st quarter.



Name	Mahmoud Mustafa Ali Abulmeaty
Department	Community Health Sciences
Academic Rank	Associate Professor
Nationality	Egyptian
Specialty	Medical Physiology of Nutrition and Metabolism
Research scope	Metabolism, and Obesity

## ISI Published Research

Num.	Research title
1	<b>Abulmeaty, M. M.</b> , Ahmed, S. A., & Almajwal, A. M. (2014). Apelin is promising in management of diabetes complicating high fat diet induced obesity in rats. <i>Progress in Nutrition</i> , 15(4), 245-254.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Shehata MI, Ahmed SA, Gomaa R, <b>Abulmeaty, M. M.</b> , (2012). Effect of apelin on anthropometric measures of normal and obese rats. <i>Al-Azhar university medical journal</i> . (2):233-242.
2	Shehata, M. I., Ahmed, S. A., Gomaa, R. S., & <b>Abulmeaty, M. M.</b> (2015). Effect of apelin on insulin resistance, beta cell function and lipid profile in healthy and diabetic rat models. <i>Zagazig University Medical Journal</i> , 19(1).
3	Nada, W. M., Moety, D. A. A., <b>Almeaty, M. M. A.</b> , & Hadhoud, K. M. (2013). Evaluation of the role of apelin in diabetic retinopathy. <i>Journal of the Egyptian Ophthalmological Society</i> , 106(4), 245.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Fat mass index and visceral fat area are better predictors of body adiposity and obesity diagnosis.	3 <sup>rd</sup> international conference and exhibition on obesity and weight management	USA	J Obes Weight Loss Ther <b>2014</b> , 4:5.
2	Validity of prediction equations for the assessment of REE in sample of Saudi males.	4 <sup>th</sup> Annual Middle East Congress on Clinical Nutrition	UAE	Diabetes Care, (Middle East Edition). <b>2015</b> ; 12(2): p14.

## Published Books

Num.	Book title
1	Multimodal lifestyle intervention: outlines and outcomes. Chapter number 8 in the TIES", ISBN 978-953-51-2995-0, available online at: <a href="http://cdn.intechopen.com/pdfs-wm/53011.pdf">http://cdn.intechopen.com/pdfs-wm/53011.pdf</a>

Name	Saada Mohammed Alorf
Department	Community Health Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Chronic Disease & Elderly Nutrition

## ISI Published Research

Num.	Research title
1	Alhamdan AA, Alshammari SA, Al-Amoud MM, Hameed TA, Al-Muammar MN, Bindawas SM, <b>Al-Orf SM</b> , Mohamed AG, Al-Ghamdi EA, Calder PC (2015). Evaluation of health care services provided for older adults in primary health care centers and its internal environment. A step towards age-friendly health centers. <i>Saudi Med J</i> . 36(9):1091-6.
2	<b>Saada M Al-Orf</b> , Mona M Ahmed and Saneya A Saleh. (2014). Effect of Date Fruit and Green Tea Extracts on Thermally Oxidized X Oil Induced –Oxidative Stress In Rats. <i>World Journal of Medicine</i> . 2(2):328-343
3	Al-Kanhal, M. A. (1994). Combined effect of gahwa, dates and cholesterol on tissue lipid levels and histopathological changes in male weanling rats. <i>Medical Science Research</i> , 22(12), 853-858.
4	Al- Othaimeen, A., Osman A., and <b>Al-orf. S. M.</b> , (1999). Prevalence of nutritional anaemia among primary school girls in Riyadh City, Saudi Arabia.” <i>International J of Food Sciences and Nutrition</i> , (50), 237-243.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Madawi Aldhwayan, May N Al-Muammar, <b>Saada Alorf</b> , Alyah Al-Moajel, Mona El-Shafie, Asim A Siddiqui, Fozia Khan. (2015) Awareness among mothers of Down syndrome children on the importance of folic acid consumption during pregnancy. <i>IJHSR</i> . Vol 6, No 11 (2015):903-908.
2	Ibtissam Al-Bassam, Zahraa Abdul Jabbar, Leena Al-Fallaj, Dalia Kalantan, Saman Feroze, Ohoud Almusiened, Asim A Siddiqui, <b>Saada AlOrf</b> , Fozia Khan (2015) Quality of Life and Dietary Assessment of Attention-Deficit Hyperactivity Disorder (ADHD) Patients. <i>International Journal of Health Sciences and Research (IJHSR)</i> . 5(12): 326-335.

3	Khan F., Al Yousef HM., Gong MF., Al Akeil NA., Al Otaibi TA., Al Otaibi LM., Siddiqui AA., Al- Muammar MN, Elshafie M., <b>Alorf S.</b> , Al-Moajel A. (2013) Effect of Sports Activity and Dietary Habits with Weight Gain among Children in Riyadh, Saudi Arabia. International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS) 2(2): 325-342.
4	AlJazi bin Zaraah, Ali K Osman, Raesa Abdultawab Mohammed, <b>Saada Al Orf</b> , Asim A Siddiqui, Fozia Khan. (2013). The Effect of High Casein Diet on the Histology and Function of Rat Kidney. International Journal of Health Sciences and Research (IJHSR). 3(3):1-12.
5	<b>Saada M. Al-orf.</b> (2012). The Prevalence of <i>Diabetes mellitus</i> in Elderly Females Living in Riyadh Social Welfare Home. World Applied Sciences Journal 17 (8): 1020-1025.
6	<b>Saada M. Al-orf.</b> (2011). Effect of Oxidized Phosphatidylcholine on Biomarkers of Oxidative Stress in Rats. Ind J Clin Biochem (Apr-June 2011) 26(2):154–160.
7	Al-Othman, Abdulaziz M, Al-Naseeb, Al-Johara M, Almajwal, Ali M, Al-Mummar, Mai N, Alhamdan, Adel A, Al-Saif, Mohammed A, <b>Alorf, Sada M.</b> Association of malnutrition in peritoneal dialysis patients of Saudi Arabia. Arabian Journal of Chemistry. In Press, Corrected Proof, Available online (12/2011).
8	<b>Al-Orf, S. M.</b> (2010). Effect of Graded Levels of Dates Dietary Fiber on Weight Gain, Serum Glucose and Insulin Levels of Normal and Streptozotocin-Induced Diabetic Rats. Alexandria Journal of Medicine, 46(1), 65-73.
9	Adel A. Alhamdan, Rabba H. Al-Huthail, Mohammed A. Alsaif, Abdulaziz M. Alothman, May Al-mummar, <b>Saada M Al-Orf</b> , Abdalla A. Saced and Badreldin A. Mohamed (2009). The Effect of Weight Reduction Diet on C - reactive protein Level on Obese-Adult Subjects. Asian Network for Scientific Information 9 (1); 17-23.
10	Mohammed A. Alsaif, Latifa A. Khan, Adel A.H. Alhamdan, <b>Saada M. Al-orf</b> , Abdulaziz M. Al-Othman and Shatha Alawami. (2007). Effects of Dietary Flavonoids Intake in Saudi Patients with Coronary Heart Disease. Journal of Family & Community Medicine. 14(3):119-126.
11	Mohammed A. Alsaif, Latifa K. Khan, Adel A. H. Alhamdan, <b>Saada M. Al-orf</b> , Sawsan H. Harfi, Abdulaziz M Al-Othman and Zarina Arif.(2007). Effect of Dates and Gahwa (Arabian Coffee) Supplementation on Lipids in Hypercholesterolemic Hamsters. International Journal of Pharmacology. 3(2): 123-129.
12	Alsaif, M. A., Khan, L. K., Alhamdan, A. A., <b>Alorf, S. M.</b> , Al-Othman, A. M., & Makki, R. J. (2007). Dietary Factors Contributing to Osteoporosis among Post-Menopausal Saudi Women. Journal of Applied Sciences, 7(19), 2776-2781.
13	Ensaf S. Abdel Gawwad, Ebtisam M. Fetohy, Lamiaa Fiala, <b>Saada M Al-Orf</b> and Mohammed Alsaif. (2006). Impact evaluation of nutrition education intervention for an elementary school in Riyadh city. The Journal of Egyptian Public Health Association. 81(1&2):75-97.

14	Abdulaziz M Al-Othman, Fasih Ahmad, <b>Saada M. Al-orf</b> , Khalid S. Al-Murshed and Zarina Arif . (2006). Effect of dietary Supplementation of Ellataria cardamomum and Nigella sativa on the Toxicity of Rancid Corn Oil in Rats. Intl.J.Pharmacol. 2(1):60-65
15	Al-Hamadan, A. I. A., & <b>Alorf, S. B. M.</b> (2005). The use of the Mini Nutritional Assessment to assess the Nutritional Status of Elderly Subjects living in The Riyadh Nursing Home. Arab Gulf Journal of Scientific Research (1989), 23(2), 97-101.
16	M. A. Al Kanhal, F. Ahmad, A. Al Othman, Z .Aref, <b>S. Al Orf</b> and K.S. AlMurshed. (2002). Effect of Pure and Oxidized Cholesterol-Rich Diets on Some Biochemical Parameters in rats. International Journal of Sciences and Food (2002) 53,381-388.
17	العرف سعداء محمد عبدالله 2002. دراسة أثر زيت البن والهيل على مستوى دهون انسجة الجرذ. المجلة السعودية للاعاقاة والتأهيل المجلد 8، العدد 4: 1-5.

## Published Books

Num.	Book title
1	العرف ، سعداء بنت محمد، دراسة " واقع الكوادر المساندة في الجامعات السعودية وأسلوب تنميتها". مركز البحوث والدراسات ، وزارة التعليم العالي 1433 هـ (2012 م).
2	العرف ، سعداء بنت محمد ، مازي عبدالحليم والعمراني ، هيا دراسة "تنظيم نقل الوحدات الدراسية بين الجامعات في المملكة العربية السعودية" مركز البحوث والدراسات ، وزارة التعليم العالي 1431 هـ (2010 م).
3	" مركز البحوث ECTS العرف ، سعداء بنت محمد " النظام الأوروبي لنقل الوحدات الأكاديمية والدراسات ، وزارة التعليم العالي 1431 هـ (2010 م).
4	العرف ، سعداء بنت محمد "نظام التقييم العام للمقررات في الولايات المتحدة الأمريكية" مركز البحوث والدراسات ، وزارة التعليم العالي 1431 هـ (2010 م).
5	العرف ، سعداء بنت محمد ، وآخرون دراسة " تقويم فاعلية برامج الدراسات العليا للفتاة" في دراسة التعليم العالي للفتاة، جامعة الملك سعود، معهد الملك عبدالله للبحوث والدراسات الاستشارية، مشروع آفاق 1427 هـ (2007 م).

Name	Dara Assad Al Disi
Department	Community health department
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Clinical nutrition
Research scope	Diabetes , obesity and inflammation

## ISI Published Research

Num.	Research title
1	<b>Al-Disi, D. A.</b> , Al-Daghri, N. M., Khan, N., Alfadda, A. A., Sallam, R. M., Alsaif, M., ... & McTernan, P. G. (2015). Postprandial effect of a high-fat meal on endotoxemia in Arab women with and without insulin-resistance-related diseases. <i>Nutrients</i> , 7(8), 6375-6389.
2	<b>Al-Disi, D.</b> , Al-Daghri, N., Khan, N., Alsaif, M., Alfadda, A., Sabico, S. & McTernan, P. (2014). A 3-month low fat diet leads to significant lipid profile improvement in obese T2DM Saudi subjects, without substantial weight loss, and the capacity to manage a damaging high-fat meal challenge more appropriately post intervention. <a href="http://endocrine-abstracts.org">endocrine-abstracts.org</a> .

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	"A 3-month low fat diet leads to significant lipid profile improvement in obese T2DM Saudi subjects, without substantial weight loss, and the capacity to manage a damaging high-fat meal challenge more appropriately post intervention"	Society for Endocrinology BES	Liverpool, UK	2014
2	American Diabetes Association's 74th Scientific Sessions		San Francisco, California, USA	2014

Name	Eman Abdullah Bendayel
Department	Community Health Sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Probiotics immunity and ageing CVD

## ISI Published Research

Num.	Research title
1	Maidens, C., Childs, C., Przemska, A., Dayel, I. B., & Yaqoob, P. (2013). Modulation of vaccine response by concomitant probiotic administration. British journal of clinical pharmacology, 75(3), 663-670.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Bifidogenic effects of a novel synbiotic are associated with better seroconversion to influenza vaccine	International Yakult Symposium	London	2013
2	The effect of a novel synbiotic on the innate immune response to influenza vaccination in young and older subjects	Annual Meeting of ISAPP	New York	2013
3	The effect of a novel synbiotic on the gut microbiota of healthy young and older adults receiving an influenza vaccination	International Scientific Conference on Prebiotics and Probiotics in Kosice, Slovakia	Kosice, Slovakia	2012

Name	Fahdah Abdulaziz Alshaikh
Department	Community Health Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Public Health-Community Health Education
Research scope	Women Health, Youth Health behaviors, Health systems

## ISI published Research

Num.	Research title
1	<b>Alshaikh, F.</b> , Ramzan, F., Rawaf, S., & Majeed, A. (2014). Social network sites as a mode to collect health data: a systematic review. <i>Journal of medical Internet research</i> , 16(7).
2	Hassanien, A. A., <b>Al-Shaikh, F.</b> , Vamos, E. P., Yadegarfar, G., & Majeed, A. (2012). Epidemiology of end-stage renal disease in the countries of the Gulf Cooperation Council: a systematic review. <i>JRSM short reports</i> , 3(6), 1-21.

Name	Ghadeer Aljuraiban
Department	Community Health Sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Obesity and CVD

## ISI Published Research

Num.	Research title
1	<b>Aljuraiban, G. S.</b> , Griep, L. M., Chan, Q., Daviglus, M. L., Stamler, J., Van Horn, L., & Frost, G. S. (2015). Total, insoluble and soluble dietary fibre intake in relation to blood pressure: the INTERMAP Study. <i>British Journal of Nutrition</i> , 114(9), 1480-1486.
2	<b>Aljuraiban, G. S.</b> , Chan, Q., Griep, L. M. O., Brown, I. J., Daviglus, M. L., Stamler, J., & Frost, G. S. (2015). The impact of eating frequency and time of intake on nutrient quality and body mass index: the INTERMAP study, a population-based study. <i>Journal of the Academy of Nutrition and Dietetics</i> , 115(4), 528-536.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Relation to Blood Pressure of Total and Individual Components of Dietary Fiber and Sugar: The INTERMAP Study.	The American Heart Association Cardiovascular Disease Epidemiology and Prevention Scientific Sessions	USA	2014

Name	Ghadah Alkhalidi
Department	CHS
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Public Health
Research scope	eHealth and Behavior Change Interventions

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	<b>Alkhalidi, G.,</b> Hamilton, F. L., Lau, R., Webster, R., Michie, S., & Murray, E. (2015). The effectiveness of technology-based strategies to promote engagement with digital interventions: a systematic review protocol. <i>JMIR research protocols</i> , 4(2).

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	The Effectiveness of Technology-Based Strategies to Promote Engagement with Digital Interventions (Systematic Review Protocol) <i>Ghadah Alkhalidi, Lorna Hobbs, Susan Michie, Elizabeth Murray</i>	Medicine 2.0	Malaga, Spain	2014
2	The effectiveness of technology-based strategies that promote engagement with Digital interventions (Systematic Review Protocol) <i>Ghadah Alkhalidi</i>	UK Society for Behavioural Medicine 9 <sup>th</sup> Annual Scientific Meeting	Oxford, United Kingdom	2013
3	The effectiveness of technology-based strategies that promote engagement with Digital interventions: Systematic Review <i>Ghadah Alkhalidi, Fiona Hamilton, Rosa Lau, Rosie Webster, Susan Michie, Elizabeth Murray</i>	CBC Conference	London, United Kingdom	2015



Name	Ghalia Natheer Abdeen
Department	Community Health
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Bariatric surgeries, obesity, metabolic disorders, weight loss mechanisms, ingestive behavior, appetite and eating behavior

## ISI Published Research

Num.	Research title
1	Abdeen, G., & Le Roux, C. W. (2016). Mechanism underlying the weight loss and complications of Roux-en-Y gastric bypass. Review. Obesity surgery, 26(2), 410-421.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Changes in appetitive behaviour after vertical sleeve gastrectomy in adolescents	Swiss Winter Conference on Ingestive Behavior St.	Moritz, Switzerland	2015
2	Poster Acceptance; Changes in appetitive behavior after vertical sleeve gastrectomy in adolescents	Irish society for Clinical Nutrition and Metabolism Conference (IrSPEN 15),	Dublin, Ireland	2015

Name	Ingrid Echeverry
Department	Community Health Sciences
Academic Rank	Assistant Professor
Nationality	Venezuelan
Specialty	Food Science
Research scope	Functional foods, gastrointestinal health

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Manufacture and characterization of low-fat dairy spreads prepared with diatomaceous adsorbent-treated creams	American Dairy Science Association and American Society of Animal Science Joint Meeting	USA	1998



Name	Khalid Aldubayan RD, PhD
Department	Community Health Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Obesity, Food and Nutrition Policy, and Nutrition Education

## ISI published Researches

Num.	Research title
1	Murimi, M. W., Kanyi, M., Mupfudze, T., Amin, M. R., Mbogori, T., & <b>Aldubayan, K.</b> (2016). Factors Influencing Efficacy of Nutrition Education Interventions: A Systematic Review. <i>Journal of Nutrition Education and Behavior</i> .

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	A Quantitative Study Examining Compliance to the Saudi Policy and IOM Standards in Boys' Public High Schools in Riyadh, SA	The SNEB Annual Conference	Pittsburgh, PA, USA	2015

2	Teachers' Perspective and Confidence Level About Nutrition Education in Boys' Public High Schools in Riyadh, Saudi Arabia	The SNEB Annual Conference	San Diego, CA, USA	2016
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Name	Nora Obid Alafif
Department	Community Health
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Epidemiology
Research scope	Epidemiology and public health and quality management

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Body weight, BMI and gestational weight gain are predictors of short sleep duration amongst pregnant women at risk of gestational diabetes.	Proceedings of the Nutrition Society,	UK	2015
2	The sensitivity of sleep-related research filters based on the search terms used by contemporary systematic reviews. Society for the Study of Human Biology Proffered.	Papers Meeting, October, Oxford Brookes University	UK	2013

Name	Mohamed Farouk Badr
Department	Community Health Sciences
Academic Rank	Assistant Prof.
Nationality	Egyptian
Specialty	Clinical Nutrition
Research scope	Chronic diseases & Metabolic disorders

## ISI Published Research

Num.	Research title
1	<b>Elsadek, M. F.</b> , El-Basset, M. A., & Almajwal, A. (2013). Antihyperglycemic and antihyperlipidemic effects of olive and fenugreek leaves in alloxan-induced diabetic rats. <i>Progress in Nutrition</i> , 15(3), 175-183.
2	Almajwal, A., & <b>Elsadek, M. F.</b> (2014). Anti-hepatotoxic prospect of Panax Ginseng extract and/or Selenium against D-galactosamine-induced liver injury in experimental rats. <i>Progress in Nutrition</i> , 16(1), 16-24.
3	Madi Almajwal, A., & <b>Farouk Elsadek, M.</b> (2015). Lipid-lowering and hepatoprotective effects of Vitis vinifera dried seeds on paracetamol-induced hepatotoxicity in rats. <i>Nutrition research and practice</i> , 9(1), 37-42.
4	El-Shafie, M., Elmasry, H. G., <b>Elsadek, M. F. B.</b> , & AlMajwal, A. M. (2015). Curative effect of orally consumed Aloe vera juice on Ochratoxin A-induced nephrotoxicity in rats. <i>Progress in nutrition</i> , 17(2), 128-136.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Ahmed R. S., <b>ElSadek, M. F.</b> , and Bayomey A. M., (2007). Effect of Egyptian Tomato Sauce and Tomato Fresh Juice as a Source of Lycopene on Rats Suffering from Chronic Liver Diseases. <i>Journal of Home Economics, Minufiya University</i> , 17 (3), 219-235
2	<b>ElSadek, M.F.</b> , Farahat, E.S., and El-Metwally, E., (2008). Influence of Grape Juice on the Reconditioning of Rats Suffering from Chronic Liver Disease. <i>Journal of Biological Chemistry and Environmental Sciences</i> , 3(1), 1-10
3	El-Megeid, A. A. A., AbdAllah, I. Z., <b>Elsadek, M. F.</b> , & El-Moneim, Y. F. A. (2009). The protective effect of the fortified bread with green tea against chronic renal failure induced by excessive dietary arginine in male albino rats. <i>World Journal of Dairy &amp; Food Sciences</i> , 4(2), 107-117.
4	<b>ElSadek, M.F.</b> , (2012). Effect of Aloe Vera Ethanol Extract on Diabetic Rats. <i>Egypt. J. Of Nutrition and Health</i> , 6(1), 63-74
5	<b>ElSadek, M.F.</b> , (2012). Protective Effect of Red Grape Seed and Peel Extracts on Obese Hypercholesterolemic Rats. <i>Egyptian J. Of Nutrition</i> , 27(3), 85-111

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Antihepatotoxicity Effect of Mulberry (Morus alba L.) and/or Green Tea (Camellia sinensis L.) Leaves in Male Rats. Mohamed Hamdi Hagag, <b>M.F. El-Sadek</b> and Hani Gaber El-Masri., 578-590.	Arabic Scientific Conference in Faculty of Home Economics	<b>Egypt</b>	<b>2012</b>
2	Validity of prediction equations for the assessment of REE in sample of Saudi males.	4 <sup>th</sup> Annual Middle East Congress on Clinical Nutrition	<b>UAE</b>	Diabetes Care, (Middle East Edition). <b>2015</b> ; 12(2): p14.

Name	Mohammed M. Al Momani
Department	Community Health Sciences
Academic Rank	Assistance professor
Nationality	Jordanian
Specialty	Public Health /Health Administration
Research scope	Quality of Health Care

## ISI Published Research

Num.	Research title
1	<b>Al Momani, M., &amp; Al Korashy, H.</b> (2012). Patient experience of nursing quality in a teaching hospital in Saudi Arabia. <i>Iranian journal of public health</i> , 41(8), 42.

## Published Research in Scientific Journals (non-ISI )

1	<b>Al-Momani, M. M.</b> (2011). <i>Mothers'satisfaction Towards Pediatric Nursing Care: Family Centered Careinitiative. Middle East Journal of Nursing</i> , 5(5).
2	El-Qudah, J. M., Almajwal, A. M., <b>Al-Momani, M. M.</b> , Alothman, A. M., Al-Udatt, M. H., & Al-Qudah, M. M. (2015). Evaluation of Food Consumption in A Sample of Pregnant Women from Jordan. <i>Jordan Journal of Agricultural Sciences</i> , 11(1), 20.

Name	Meshail Okla
Department	Community Health Sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Molecular Nutrition
Research scope	Obesity

## ISI Published Research

Num.	Research title
1	Okla, M., Wang, W., Kang, I., Pashaj, A., Carr, T., & Chung, S. (2015). Activation of Toll-like receptor 4 (TLR4) attenuates adaptive thermogenesis via endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 290(44), 26476-26490.
2	Okla, M., Kang, I., Kim, D. M., Gourineni, V., Shay, N., Gu, L., & Chung, S. (2015). Ellagic acid modulates lipid accumulation in primary human adipocytes and human hepatoma Huh7 cells via discrete mechanisms. <i>The Journal of nutritional biochemistry</i> , 26(1), 82-90
3	<b>Okla, M.</b> , Ha, J. H., Temel, R. E., & Chung, S. (2015). BMP7 drives human adipogenic stem cells into metabolically active beige adipocytes. <i>Lipids</i> , 50(2), 111-120.
4	Kang, I., <b>Okla, M.</b> , & Chung, S. (2014). Ellagic acid inhibits adipocyte differentiation through coactivator-associated arginine methyltransferase 1-mediated chromatin modification. <i>The Journal of nutritional biochemistry</i> , 25(9), 946-953.
5	Zhao, L., Ha, J. H., <b>Okla, M.</b> , & Chung, S. (2014). Activation of autophagy and AMPK by gamma-tocotrienol suppresses the adipogenesis in human adipose derived stem cells. <i>Molecular nutrition &amp; food research</i> , 58(3), 569-579.

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Establishment and characterization of in vitro model of human beige adipocytes using adenoviral delivery of BMP7 <b>(Oral Presentation)</b>	<b>Experimental Biology</b>	San Diego, CA, USA	2014
2	Ellagic acid attenuates adipocyte and hepatic triglyceride contents via discrete mechanisms <b>(Oral Presentation)</b>	<b>Experimental Biology</b>	San Diego, CA, USA	2014
3	Ellagic acid attenuates adipocyte and hepatic triglyceride contents via discrete mechanisms <b>(Poster Presentation)</b>	<b>Experimental Biology</b>	San Diego, CA, USA	2014
4	Inflammation Attenuates Adaptive Thermogenesis via Autophagy and ER Stress-Associated Mechanism <b>(Oral Presentation)</b>	<b>Experimental Biology</b>	Boston, MA, USA	2015
5	TLR4-mediated innate immunity activation attenuates adaptive thermogenesis via autophagy and ER Stress-associated mechanisms <b>(Poster)</b>	<b>Keystone Symposia</b>	Snowbird, Utah, USA	2015
6	Inflammation Attenuates Adaptive Thermogenesis via Autophagy and ER Stress-Associated Mechanism <b>(Poster)</b>	<b>Experimental Biology</b>	Boston, MA, USA	2015

Name	Mezna AlMarzooqi
Department	Community Health Sciences Department
Academic Rank	Assistant Professor
Nationality	Saudi Arabia
Specialty	Public Health- Physical Activity Behavior
Research scope	Physical activity, walking behavior, social determinants of health, health inequities, urban health, women's health

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	'Gender related barriers to physical activity among young educated Saudi women: A qualitative investigation'	12th Conference of European Sociological Association 2015	Prague, Czech Republic	2015

Name	Mona Mohammed Elshafie El-Najjar
Department	Community Health Science
Academic Rank	Assistant Professor
Nationality	Egyptian
Specialty	Human nutrition
Research scope	Foods Supplements and Functional Foods Overweight and Obesity, Nutrition and Exercise, Therapeutic Diets, Food Sensitivity, Fat and Oils Formulation, Application & Analysis, Natural and Syntheses Antioxidants, Antioxidant Activities.

## ISI Published Research

Num.	Research title
1	<b>El-Shafie, M.</b> , Elmasry, H. G., Elsadek, M. F. B., & AlMajwal, A. M. (2015). Curative effect of orally consumed Aloe vera juice on Ochratoxin A-induced nephrotoxicity in rats. <i>Progress in nutrition</i> , 17(2), 128-136. <a href="http://fac.ksu.edu.sa/melshafie/publication/127391">http://fac.ksu.edu.sa/melshafie/publication/127391</a>
2	Farahat, M. F., <b>El-Shafie, M. M.</b> , & Waly, M. I. (2015). Food safety knowledge and practices among Saudi women. <i>Food control</i> , 47, 427-435. <a href="http://www.sciencedirect.com/science/article/pii/S0956713514004307">http://www.sciencedirect.com/science/article/pii/S0956713514004307</a>

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	<b>Mona El-Shafie</b> (King Saud University, KSA), Hala Hassan El-Sayed (Egypt), Behavioral Belief and attitude for Using herbal medicine to Improve health status. Contents Spiritual Convergences Chisinau Iași, April 29, p .413 <b>2015</b> . <a href="http://ziarulrealitatea.ro/cuprins-convergente-spirituale-iasi-chisinau/">http://ziarulrealitatea.ro/cuprins-convergente-spirituale-iasi-chisinau/</a>
2	<b>Mona El-Shafie</b> , Evaluation of Eating Pattern for Children with Attention Deficit Hyperactivity Disorder (ADHD) Among Some Primary Schools in Riyadh. Journal of Special Education and Rehabilitation. vol. (5), No (1) ( <b>2015</b> ). <a href="http://www.sero-eg.com/images/journal/Volume%202/5.pdf">http://www.sero-eg.com/images/journal/Volume%202/5.pdf</a>
3	El Sayed, H. H., <b>El-Shafei, M. M.</b> , & Toprak, L. (2015). Influence of dietary habits of university students on body mass index (BMI) (a comparative study among Egypt and Saudi Arabia and turkey). <i>Firat Üniversitesi Sosyal Bilimler Dergisi</i> , 25(2). <a href="http://dergipark.ulakbim.gov.tr/firatsbed/article/view/5000172936">http://dergipark.ulakbim.gov.tr/firatsbed/article/view/5000172936</a>
4	Al-Muammar, M. N., <b>El-Shafie, M.</b> , & Feroze, S. (2014). Association between dietary habits and body mass index of adolescent females in intermediate schools in Riyadh, Saudi Arabia/association entre les habitudes alimentaires et l'indice de masse corporelle chez des collegiennes a Riyad (Arabie saoudite). <i>Eastern Mediterranean Health Journal</i> , 20(1), 39. <a href="http://www.emro.who.int/fr/emhj-vol-20-2014/volume-20-issue-1/association-between-dietary-habits-and-body-mass-index-of-adolescent-females-in-intermediate-schools-in-riyadh-saudi-arabia.html">http://www.emro.who.int/fr/emhj-vol-20-2014/volume-20-issue-1/association-between-dietary-habits-and-body-mass-index-of-adolescent-females-in-intermediate-schools-in-riyadh-saudi-arabia.html</a>
5	Hala Hasan, <b>Mona Elshafie</b> , Therapeutic Home Delivery Meals for Elderly Patients Through Private Catering, Journal of the Faculty of Tourism and Hotels - Fayoum University, Vol. 7 num.1, March <b>2013</b> . <a href="http://fac.ksu.edu.sa/melshafie/publication/88653">http://fac.ksu.edu.sa/melshafie/publication/88653</a>
6	Hala Hasan - <b>Mona Elshafie</b> , Effect of adding aromatic oils as an anti-oxidant to frying oil to improve the quality of deep fried fast food products, Egyptian Journal of Science, Tourism and Hospitality. vol. 19 num. <b>2012</b> . <a href="http://fac.ksu.edu.sa/sites/default/files/aromatic_oils.pdf">http://fac.ksu.edu.sa/sites/default/files/aromatic_oils.pdf</a>
7	Khan, F., Risheh, N. A. A., Al-Neghaimshi, H. S., Alhomaidhi, N. A., Siddiqui, A. A., Al-Muammar, M. N., ... & <b>ElShafie, M.</b> (2013). Assessment of nutritional status of Alzheimer patients in Riyadh, Saudi Arabia. <i>International Journal of Health Sciences and Research</i> , 3(4), 1-10. <a href="http://www.ejmanager.com/mnstemps/107/107-1379357450.pdf">http://www.ejmanager.com/mnstemps/107/107-1379357450.pdf</a>
8	Khan F*, Al Yousef Hm, Gong Mf, Al Akeil Na, Al Otaibi Ta, Al Otaibi Lm, Siddiqui Aa, Al Muammar Mn, <b>Elshafie M</b> , Alorf S and Al Moajel A., (2013). Effect of sports activity and dietary habits with weight gain Among children in Riyadh, Saudi Arabia. <i>IJBPA</i> , 2(2): 325-342. <a href="https://www.researchgate.net/profile/Fozia_Khan/publication/286440588">https://www.researchgate.net/profile/Fozia_Khan/publication/286440588</a>

	<u>EFFECT OF SPORTS ACTIVITY AND DIETARY HABITS WITH WEIGHT GAIN AMONG CHILDREN IN RIYADH SAUDI ARABIA/links/56692be108ae9da364ba04b8.pdf</u>
9	<b>Mona M. Elshafie</b> , Isis Azer Nawar, Muhammad A. Algamil, Samir Mohammad Ahmad and Hassan Abd El-Raouf El-Hendy. Evaluation of the biological effects for adding cinnamon volatile oil and TBHQ as antioxidant on rats' lipid profiles, Asian journal of plant science,11(3),100-108.,2012-10-08. <a href="http://search.proquest.com/openview/7c8af0845dcfe14a20a7f67e0ab01aa8/1?pq-origsite=gscholar&amp;cbl=2026741">http://search.proquest.com/openview/7c8af0845dcfe14a20a7f67e0ab01aa8/1?pq-origsite=gscholar&amp;cbl=2026741</a>

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Effects of using rosemary volatile oil for weight gain reduction in rats (Poster). <b>Mona M. Elshafie</b> , Muhammad A. Algamil.	International obesity conference .15-17 March 2011. Obesity chair and King Saud University.	KSA	2011
2	Effect of using essential oils as a natural antioxidant with heated cottonseed oil on lipid profiles. (Poster), 2010/ 11-15 April. 2010. <b>Mona M. Elshafie</b> , Muhammad A. Algamil, Isis Azer Nawar, and Samir Mohammad Ahmad.	Bio Vision	Egypt Alexandria	2010

Name	Sabah Mohamed Abd-el-Kader
Department	Community Health Sciences
Academic Rank	Assistant Professor
Nationality	Egyptian
Specialty	Public Health
Research scope	Reproductive health

## ISI Published Research

Num.	Research title
1	Factors affecting attitudes of Saudi women towards contraceptive use. <b>International Journal of Healthcare Sciences</b> . 2015. (Vol. 2, Issue2) pp:339-331.
2	Knowledge, Beliefs and Behavior Intention about Premarital Screening among King Saud University Female Students in Riyadh Sch. J. App. Med. Sci2(5E):1796-1805, <b>2014</b>
3	Mahboub, S. M., <b>Abdelkader, S. M.</b> , Al-Muhanna, A., Al-Musallam, F., Al-Ghannam, J., & Al-Munyif, S. Factors Affecting Fertility among Saudi Women. 2(3C):1063-1069

Name	Sultana Abdulaziz Alhurishi
Department	Community Health Sciences
Academic Rank	Assistant Professor
Nationality	Saudi Arabia
Specialty	Public Health
Research scope	Health education and promotion, seeking healthcare, cancer, mixed methods, systematic review

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Alhurishi, S. Lim, J. Potrata, B. West, R. (2011). Factors Influencing Late Presentation for Breast Cancer in the Middle East: A Systematic Review. <i>Asian Pacific Journal of Cancer Prevention</i> . 12, 1477-1480

Name	Sara Al-Musharaf
Department	Community health
Academic Rank	Assistant Broffesor
Nationality	Saudi
Specialty	Clinical nutrition
Research scope	Vitamin D, metabolic diseases (obesity and diabetes) and human nutrition

## ISI Published Research

Num.	Research title
1	Al-Musharaf, S., Al-Othman, A., Al-Daghri, N. M., Krishnaswamy, S., Yusuf, D. S., Alkharfy, K. M., & Yakout, S. (2012). Vitamin D deficiency and calcium intake in reference to increased body mass index in children and adolescents. <i>European journal of pediatrics</i> , 171(7), 1081-1086.
2	Al-Othman, A., <b>Al-Musharaf, S.</b> , Al-Daghri, N. M., Yakout, S., Alkharfy, K. M., Al-Saleh, Y., & Kumar, S. (2012). Tea and coffee consumption in relation to vitamin D and calcium levels in Saudi adolescents. <i>Nutrition journal</i> , 11(1), 56.
3	Al-Othman, A., <b>Al-Musharaf, S.</b> , Al-Daghri, N. M., Krishnaswamy, S., Yusuf, D. S., Alkharfy, K. M., & Sabico, S. (2012). Effect of physical activity and sun exposure on vitamin D status of Saudi children and adolescents. <i>BMC pediatrics</i> , 12(1), 92

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Vitamin D deficiency is associated with higher cardiometabolic risk in Saudi women during early pregnancy.	8 <sup>th</sup> International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome & Pregnancy.	Boston	2015

Name	Yara Almuhtadi
Department	Health Community
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	programmes, Evaluation of weight management obesity and obesity management

## Published Research at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Evaluation of a community lifestyle weight management programme over more than a decade	The world of obesity	Kuala Lumpur , Malaysia	2014
2	Measuring the effectiveness of varying dietary macronutrient composition in the treatment of overweight and obese children	The Obesity week	Boston, USA	2014

Name	May Ahmad Alshahwan
Department	Community Health Sciences
Academic Rank	Demonstrator
Nationality	Saudi
Specialty	Clinical Nutrition
Research scope	Vitamin D and diabetes

## ISI Published Research

Num.	Research title
1	<b>Al-Shahwan, M. A.,</b> Al-Othman, A. M., Al-Daghri, N. M., & Sabico, S. B. (2015). Effects of 12-month, 2000IU/day vitamin D supplementation on treatment naïve and vitamin D deficient Saudi type 2 diabetic patients. <i>Saudi medical journal</i> , 36(12), 1432.

Name	Zainab Ibrahim ALkhudairi
Department	Health Science Community
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Community Health
Research scope	Health

## Published Research in Non-ISI Scientific Journals

Num.	Research title
1	The Egyptian journal of medical sciences impact of implementation of the electronic medical records (e-sihi) in KSUMC-KKUH on patient safety, December 2016, vol-37, no2
2	Almoajel, A., Al Suwaidan, A. H., & <b>Alkhudairi, Z. I.</b> Examine the knowledge, behavior and attitude toward the propaganda and marketing products for children.

جامعة  
الملك سعود  
King Saud University



College of Applied Medical Sciences



Dental Health Sciences

[www.ksu.edu.sa](http://www.ksu.edu.sa)

## A Brief Overview

The department was established in 1401 H/3/14 ,the approval was by the authorized body ( ministry of higher education MOHE for private institutions and council of higher education for public institutions ) , more than 30 years ago , it was established to arise the quality of the oral health for the Saudi community through graduating qualified dental hygienists with competent abilities in providing services to reduce the prevalence of oral and dental diseases

## About the Dental hygiene program

Dental Hygiene Program was established in 1401 H/3/14 as a part of Dental Health Department which included Dental Technician program in College of Applied Medical Sciences (CAMS) at King Saud University, Riyadh. The enrolment was for both male and female students but only female students were enrolled. From 2009/2010 enrolment program was again opened for male students.

The existing curriculum is developed by a committee from dental specialties in Dental Health Department (CAMS) in King Saud University. The program is a 131 credit hours which consists from one preparatory year (33 credit hours) involving English language Skills, Communication skills, and Biomedical Sciences followed by three years of dental sciences courses (98 credit hours), and one internship year.

In 2011 the Dental Hygiene Program in College of Applied Medical Sciences (CAMS) at King Saud University has received academic accreditation from German accreditation agency "Akkreditierungsagentur für Studiengänge im Bereich Gesundheit und Soziale für (AHPGS)" which in English translation means the Accreditation Agency for Study Programs in Health and Social Sciences German Accreditation Commission.

## About the Dental Technology Program

The recent advances and progress of dental sciences has been due to the continuous need for better control and treatment of dental diseases. This progress demanded however, well trained professional personal specialized in diagnosis and dental treatments. The Dental Technology Program is one of two programs offered by the Dental Health Department. Its curriculum aims to qualify students of high, refined levels in both the theoretical and practical aspects of dental technology. It will also enhance the students skills and capabilities to perform their expected role in the rapidly progressing dental services in the Kingdom. The Dental Technology Program prepares students to gain experiences in all advanced dental technology aspects:

- Complete Denture Prosthodontics.
- Removable Partial Denture Prosthodontics.
- Fixed Restorative Prosthodontics.
- Orthodontic appliances.
- Maxillofacial Prosthetic appliances.

The program comprises the study of structure and function of masticatory system and the most appropriate way of teeth restoration. The dental technology profession allows a variety of chances to those interested in being members of the dental team. The dental technologist is expected to have vast career opportunities in private and national laboratories to fulfill their needs. Dental technologists are also qualified to direct and supervise the different dental laboratories in dental industries, research and marketing. Saudi government who have passed with "Excellent" or "Very Good" grades may be appointed as Demonstrators in the College, which give them the opportunity to continue higher studies in the Kingdom and abroad.

## Research Scopes

Research area in this department are varied according to specialties of the faculties involved in teaching and it includes the followings: Dental hygiene, Oral health, Dental public health, periodontics, pedodontics, Oral pathology, preventive dentistry Dental material & orthodontics



Name	<b>Abdulaziz Abdullah Alkheraif</b>
Department	Dental Health Department
Academic Rank	Full Professor
Nationality	Saudi
Specialty	Dental Health
Research scope	Dental materials

## ISI Published Researches

Num.	Research title
1	Abdul-Aziz Abdullah Al Kheraif, An in vitro evaluation of wear and surface roughness of particulate filler composite resin after tooth brushing Acta Odontologica Scandinavica. 2014; Early Online, 1–7.
2	Abdul-Aziz Abdullah Al Kheraif, Almas, Khalid, Javed fawad, Comparison of Crestal Bone Loss around Dental Implants Placed in Healed Sites Using Flapped and Flapless Techniques: A Systematic Review Journal of Periodontology. Aug 2014.
3	Seema Rao, Darshan Devang Divakar Abdul-Aziz Abdullah Al Kheraif, Ravikumar Ramakrishnaiah. Accidental radiographic finding of a maxillofacial gunshot injury. A case report: Romanian Journal of Legal Medicine. 2014.
4	F Javed, F Vohra, Abdul-Aziz Abdullah Al Kheraif, H Malmstrom, G-E Romanos, Comparison of periodontal inflammatory conditions among habitual gutka chewers and betel quid chewers: Oral Diseases, Jan 2014.
5	Sajith Vellappally, Seby J Gardens, Abdul-Aziz Abdullah Al Kheraif, Madhusudan Krishna, Suresh Babu, Mohamed Hashem, Vimal Jacob and Sukumaran Anil, The prevalence of malocclusion and its association with dental caries among 12-18- year-old disabled adolescents: BMC oral health, Jun 2014.

6	ANIL Sukumaran,Sajith Vellappally,Pradeep S,Abdul-Aziz Abdullah Al Kheraif, Hepatocyte Growth Factor Levels in the Saliva and Gingival Crevicular Fluid in Smokers with Periodontitis: Disease makers,Oct 2014.
7	Ravikumar Ramakrishnaiah, Ghufuran ur Rehman, Santhosh Basavarajappa, Abdul-Aziz Abdullah Al Kheraif, B. H. Durgesh, Abdul Samad Khan & Ihtesham ur Rehman, Applications of Raman spectroscopy in dentistry: analysis of tooth structure. : Applied Spectroscopy Reviews,Jan 2015.
8	Ravikumar Ramakrishnaiah, Abdul-Aziz Abdullah Al Kheraif, Mohamed A. Elsharawy, Ayman K. Alsaleh, Kareem M. Ismail Mohamed, Ihtesham Ur Rehman. A comparative finite elemental analysis of glass abutment supported and unsupported cantilever fixed partial denture. : Dental materials, 2015.
9	Darshan Devang Divakar, Abdul-Aziz Abdullah Al Kheraif,Ravikumar Ramakrishnaiah, Oral manifestations in human immunodeficiency virus infected pediatric patients receiving and not receiving antiretroviral therapy a cross sectional study: Pediatric Croat, 2015 .
10	F Vohra, M Al-Qahtani, N Momenah1, Abdul-Aziz Abdullah Al Kheraif, SM Ab-Ghani3,Knowledge and attitudes of dentists toward shortened dental arch therapy in Saudi Arabia: Nigerian Journal of Clinical Practice. 2015.
11	Vohra F Abdul-Aziz Abdullah Al Kheraif, Qadri T, Hassan MI, Ahmed A, Warnakulasuriya S, Javed F, Efficacy of photodynamic therapy in the management of oral premalignant lesions. A systematic review: Photodiagnosis Photodyn Ther, 2015.
12	Aftab Ahmed Khan, Adel Zia Siddiqui,Syed Fareed Mohsin Abdul-Aziz Abdullah Al Kheraif, Influence of mouth rinses on the surface hardness of dental resin nano-composite: Pakistan Journal of Medical Sciences, 2015.
13	Fawad Javed,Abdul-Aziz Abdullah Al Kheraif,Mohammad D. Al Amri, Toshinari Mikami,Fahim Vohra,i Saman Warnakulasuriya, and Georgios E. Romanos, Periodontal Parameters and Whole Salivary Cytokine Profiles Among Habitual Gutka Chewers and Non-Chewer: Journal of Periodontology, 2015.
14	FA Alshehri, Abdul-Aziz Abdullah Al Kheraif, KM Aldosary, F Vohra, H Malmstrom, GE Romanos, F Javed, Self-perceived oral health and whole salivary immunoglobulin G levels in habitual gutka-chewers and non chewers: Nigerian Journal of Clinical Practice, 2015 .
15	Bangalore H. Durgesh , Abdul-Aziz Abdullah Al Kheraif, Juha Varrela , and Pekka K. Vallittu, Photo Initiated Curing of Bracket Adhesive by Light Transmission Through Glass Fibers:journal of biomaterials and tissue engineering, 2015.
16	I. Yuvarani, S. Senthilkumar, Jayachandran Venkatesan, Se-Kwon Kim,Abdul-Aziz Abdullah Al Kheraif, Sukumaran Anil, and P. N. Sudha, Chitosan Modified Alginate-Polyurethane Scaffold for Skeletal Muscle Tissue Engineering: Journal of Biomaterials and Tissue Engineering,May 2015.
17	Fawad Javed Abdul-Aziz Abdullah Al Kheraif, Mohammad D. Al Amri, Mohammed Alshehri,Fahim Vohra,Mansour Al-Askar, Hans Malmstrom, and Georgios E. Romanos, Periodontal Status and Whole Salivary Cytokine Profile Among Smokers and Never-

	Smokers With and Without Prediabetes: Journal of Periodontology, Jul 2015.
18	Fawad Javed, Abdul-Aziz Abdullah Al Kheraif, Karem Salazar-Lazo, Virginia Yanez-Fontenla, Khalid M. Aldosary, Mohammed Alshehri, Hans Malmstrom, and Georgios E. Romanos, Periodontal Inflammatory Conditions Among Smokers and Never-Smokers With and Without Type 2 Diabetes Mellitus: Journal of Periodontology, Jul 2015.
19	Sakina Aamir, Z.A. Ansari, H. Fouad, Ahmad Umar Abdul-Aziz Abdullah Al Kheraif, and S. G. Ansari, Effect of Inoculum Size and Surface Charges on the Cytotoxicity of ZnO Nanoparticles for Bacterial Cells: Science of Advanced Materials. 2015.
20	Javed F, Abdul-Aziz Abdullah Al Kheraif, Rahman I, Millan-Luongo LT, Feng C, Yunker M, Malmstrom H, Romanos GE, Comparison of Clinical and Radiographic Periodontal Status Among Habitual Waterpipe Smokers and Cigarette Smokers: Journal of Periodontology. 2015.
21	Ansar Ereath Beerana, Francis Boniface Fernandezb, Shaiju S. Nazeerc, Ramapurath S. Jayasreec, Annie Johnb, Sukumaran Anild, Sajith Vellappallyd, Abdul-Aziz Abdullah Al Kheraif, P.R. Harikrishna Varmaa, Multifunctional nano manganese ferrite ferrofluid for efficient theranostic application: Colloids and Surfaces B: Biointerfaces. 2015.
22	Santhosh Basavarajappa, Abdul-Aziz Abdullah Al Kheraif, Mohamed ElSharawy, Pekka K. Vallittu, Effect of solvent /disinfectant ethanol on the micro-surface structure and properties of multiphase denture base polymer: Journal of the Mechanical Behavior of Biomedical Materials. 2015.
23	Aftab Ahmed Khan, Adel Zia Siddiqui, Abdul-Aziz Abdullah Al Kheraif, Ambreen Zahid, Darshan Devang Divakar, Effect of different pH solvents on micro-hardness and surface topography of dental nano-composite: An in vitro analysis: Pakistan Journal of Medical Sciences. 2015

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Chandroth SV, Venugopal HK, Puthenveetil S, Jayaram A, Mathews J, Suresh N, Al Kheraif AA, Ramakrishnaiah R, Divakar DD, Asawa K et al: Prevalence of oral mucosal lesions among fishermen of Kutch coast, Gujarat, India. Int Marit Health 2014, 65(4):192-198.
2	Abdul Aziz Abdullah Al-Kheraif. The effect of mechanical and chemical polishing techniques on the surface roughness of heat-polymerized and visible light-polymerized acrylic denture base resins The Saudi Dental Journal (2014)

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Radiographic interpretation for oral cancer	BITs 2nd annual world congress of oral and dental medicine	Dalian, China	2015

Name	Dr Mohammed I hashem
Department	Dental health
Academic Rank	Associate professor
Nationality	Egypt
Specialty	Dental bio materials
Research scope	Dental bio materials

## ISI published Researches

Num.	Research title
1	The prevalence of malocclusion and its association with dental caries among 12-18-year-old disabled adolescents. Vellappally S, Gardens SJ, Al Kheraif AA, Krishna M, Babu S, Hashem M, Jacob V, Anil S. BMC Oral Health. 2014 Oct 1;14:123. doi: 10.1186/1472-6831-14-123.
2	Sub-inhibitory concentrations of antifungals suppress hemolysin activity of oral <i>Candida albicans</i> and <i>Candida tropicalis</i> isolates from HIV-infected individuals. Anil S, Hashem M, Vellappally S, Patil S, Bandara HM, Samaranayake LP. Mycopathologia. 2014 Oct;178(3-4):207-15. doi: 10.1007/s11046-014-9802-0. Epub 2014 Aug 21.
3	Oral health survey of 6-12-year-old children with disabilities attending special schools in Chennai, India. Gardens SJ, Krishna M, Vellappally S, Alzoman H, Halawany HS, Abraham NB, Jacob V. J Paediatr Dent. 2014 Nov;24(6):424-33. doi: 10.1111/ipd.12088. Epub 2013 Dec 23.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Advances in Soft Denture Liners: An Update. Hashem MI.J Contemp Dent Pract. 2015 Apr 1;16(4):314-8. Review
2	A comparative study of the mechanical properties of the light-cure and conventional denture base resins. Hashem M, Alsaleem SO, Assery MK, Abdeslam EB, Vellappally S, Anil S. Oral Health Dent Manag. 2014 Jun;13(2):311-5.
3	The impact of polymerization method on tensile bond strength between denture base and acrylic teeth. Hashem M, Binmgren MA, Alsaleem SO, Vellappally S, Assery MK, Sukumaran A. J Contemp Dent Pract. 2014 May 1;15(3):315-8.

Name	Dr Sajith Vellappally
Department	Dental health
Academic Rank	Assistant professor
Nationality	Indian
Specialty	Dental public health
Research scope	Public health and community dentistry

## ISI Published Researches

Num.	Research title
1	The prevalence of malocclusion and its association with dental caries among 12-18-year-old disabled adolescents. Vellappally S, Gardens SJ, Al Kheraif AA, Krishna M, Babu S, Hashem M, Jacob V, Anil S. BMC Oral Health. 2014 Oct 1;14:123. doi: 10.1186/1472-6831-14-123.
2	Sub-inhibitory concentrations of antifungals suppress hemolysin activity of oral <i>Candida albicans</i> and <i>Candida tropicalis</i> isolates from HIV-infected individuals. Anil S, Hashem M, Vellappally S, Patil S, Bandara HM, Samaranayake LP. Mycopathologia. 2014 Oct;178(3-4):207-15. doi: 10.1007/s11046-014-9802-0. Epub 2014 Aug 21.
3	Oral health survey of 6-12-year-old children with disabilities attending special schools in Chennai, India. Gardens SJ, Krishna M, Vellappally S, Alzoman H, Halawany HS, Abraham NB, Jacob V. J Paediatr Dent. 2014 Nov;24(6):424-33. doi: 10.1111/ipd.12088. Epub 2013 Dec 23.
4	Human serum potentiates the expression of genes associated with antifungal drug resistance in <i>C. albicans</i> biofilms on central venous catheters. Samaranayake LP, Anil S, Hashem M, Vellappally S, Cheung BP. Mycopathologia. 2015 Apr;179(3-4):195-204. doi: 10.1007/s11046-014-9848-z. Epub 2014 Dec 17.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	. Assessment of DNA Damage in Leukoplakia Patients with Different Degrees of Dysplasia. Vellappally S, Binmgren MA, Huraib SB, Hashem MI, Patil S, Anil S. J Contemp Dent Pract. 2015 Dec 1;16(12):971-6.
2	Influence of smoking on clinical parameters and gingival crevicular fluid volume in patients with chronic periodontitis. Mokeem SA, Vellappally S, Preethanath RS, Hashem MI, Al-Kheraif AA, Anil S. Oral Health Dent Manag. 2014 Jun;13(2):469-73.
3	A comparative study of the mechanical properties of the light-cure and conventional denture base resins. Hashem M, Alsaleem SO, Assery MK, Abdeslam EB, Vellappally S, Anil S. Oral Health Dent Manag. 2014 Jun;13(2):311-5.

Name	Omar Abdullah Alsadon
Department	Dental Health
Academic Rank	Professor Assistant
Nationality	Saudi
Specialty	Dental Technology
Research scope	Dental Technology and Materials

## ISI Published Researches

Num.	Research title
1	Alsadon, O., Patrick, D., Johnson, A., Pollington, S. & Wood, D. 2017. Fracture resistance of zirconia-composite veneered crowns in comparison with zirconia-porcelain crowns. Dental Materials Journal.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Composite Veneered Pekkton® Crowns: How do they compare?	Pekkton® Circle Conference	Switzerland	2016
2	Structural Integrity of Poly-Ether-Ketone (PEKK) Based Bi-layered Molar Crowns	British Society for Oral and Dental Research (BSODR) conference	UK	2015
3	Evaluation of the Optical Properties of PEKK Based Restorations	The 2015 IADR/AADR/CA DR General Session & Exhibition	USA	2015

Name	Ravikumar Ramakrishnaiah
Department	Dental Health Department
Academic Rank	Assistant Professor
Nationality	Indian
Specialty	Prosthodontics Dentistry
Research scope	Dental Materials

## ISI Published Researches

Num.	Research title
1	Ramakrishnaiah R, Ghufra ur Rehman, Santhosh Basavarajappa, Abdulaziz Abdullah Al Khuraif, B. H. Durgesh, Abdul Samad Khan & Ihtesham ur Rehman (2015). Applications of Raman spectroscopy in dentistry: analysis of tooth structure. Applied Spectroscopy Reviews, 50;332-350.
2	Ramakrishnaiah R, Abdulaziz A. Al kheraif, Mohamed A. Elsharawy, Ayman K. Alsaleh, Karem M. Ismail Mohamed, Ihtesham Ur Rehman (2015). A comparative finite elemental analysis of glass abutment supported and unsupported cantilever fixed partial denture. Dental materials, 31; 514–521.
3	Ramakrishnaiah R, Bangalore H. Durgesh, Santhosh BASavarajappa, Abdulaziz A Al Kheraif, Darshan Devang Divakar (2015). Genetic, Molecular and microbiological aspects of oral cancer, Reviews in Medical Microbiology, 26: 134-137



Name	Kauser Parveen
Department	Dental Health
Academic Rank	Lecturer
Nationality	Pakistani
Specialty	Operative Dentistry
Research scope	Operative Dentistry, Community, Caries

## ISI published Researches

Num.	Research title
1	Naveed A. Khawaja, Hesham Khalil, Kauser Parveen, et al. An influence of adrenaline (1: 80,000) containing local anesthesia (2% Xylocaine) on glycemic level pf patients undergoing tooth extraction in Riyadh. Saudi Pharm J 2014; 22 (6): 545-549 (ISI Indexed Journal)

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Kauser Parveen, Abdul Aziz Al Khuraif. Prevalence of dental caries among female patients visiting Dental Hygiene clinics, Riyadh. J Pak Dent Assoc 2010; 19 (2): 91-93
2	Kauser Parveen, Amjad H Wyne, Methods for caries detection :an overview, Pakistan Oral & Dental Journal Vol 35, No. 4 (December 2015)
3	Naveed Ahmad Khawaja, Hesham Khalil, Kauser Parveen, et al,

	A survey of pathology associated with impacted third molars among patients seen in oral Surgery clinic of College of Dentistry, Riyadh; A retrospective two years radiographic study. J Int Oral Health March 2015; 7(2):1-5. (Pubmed Indexed)
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## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Rationale re-use of dental disposable needle; "Failure of local anesthesia and internal tissue injury"	(Research) poster 26th Saudi Dental Society International Dental Conference Riyadh	Saudi Arabia	13-15th January 2015

Name	Durgesh Bangalore Huchaiah
Department	Department Dental Health
Academic Rank	Lecturer
Nationality	Indian
Specialty	Dentistry( orthodontics)
Research scope	Dental Materials

## ISI Published Researches

Num.	Research title
1	Durgesh, Bangalore H.; Alkheraif, Abdulaziz A.; Varrela, Juha; Vallittu, Pekka K. (2015). Photo Initiated Curing of Bracket Adhesive by Light Transmission Through Glass Fibers. Journal of biomaterials and tissue engineering, 5( 5); 411-416.
2	Bangalore H. Durgesh, Saleh Al Hijji, Abdulaziz A Al Kheraif, Ravikumar Ramakrishnaiah, Santhosh Basavarajappa, Mohammed Al Sharawy, Jukka Pekka Matinlinna. (2015).A novel silane system as a primer for orthodontic bonding—A pilot study. International Journal of Adhesion and Adhesives, 62; 101-106
3	B. H. Durgesh , A. A. Alkheraif, M. Al Sharawy, J. Varrela, P. K. Vallittu.(2015). Damage of the interface between orthodontic bracket and enamel – effect of some elastic properties of the adhesive material. Mechanics of Composite Materials, 51(6); 805–812

Name	Dr.Santhosh Basavarajappa
Department	Dental Health Department
Academic Rank	Lecturer
Nationality	Indian
Specialty	Oral and Maxillofacial Surgery
Research scope	Biomaterials and Oral Biology

## ISI Published Researches

Num.	Research title
1	Ravikumar Ramakrishnaiah · Ghufraan Ur Rehman · Santhosh Basavarajappa · Abdulaziz Abdullah Al Khuraif · B. H. Durgesh · Abdul Samad Khan · Ihtesham Ur Rehman. Applications of Raman Spectroscopy in Dentistry: Analysis of Tooth Structure· Applied Spectroscopy Reviews 11/2014; 50(4). DOI:10.1080/05704928.2014.986734
2	Dennis Mohan · Sunith Maruthingal · Rajamani Indira · Darshan Devang Divakar · Abdulaziz Abdullah Al Kheraif · Ravikumar Ramakrishnaiah · B.H. Durgesh · Santhosh Basavarajappa · Jacob John · Photoactivated Disinfection (PAD) of dental root canal system - An ex-vivo study. Saudi Journal of Biological Sciences 01/2015; 28. DOI:10.1016/j.sjbs.2015.01.013
3	· Saleh Al Hijji · Abdulaziz A Al Bangalore H. Durgesh Kheraif · Ravikumar Ramakrishnaiah · Santhosh Basavarajappa · Mohamed Alsharawy · Jukka Pekka Matinlinna · A novel saline system as a primer for orthodontic bonding—A pilot study. International Journal of Adhesion and Adhesives 07/2015; 62:101-106. DOI:10.1016/j.ijadhadh.2015.07.006

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	· Bangalore H. Durgesh · Santhosh Ravikumar Ramakrishnaiah Basavarajappa · Abdulaziz A. Al Kheraif · Darshan Devang Divakar · Genetic, molecular and microbiological aspects of oral cancer. Reviews in Medical Microbiology 08/2015; 26(4):1.

	DOI:10.1097/MRM.0000000000000051 ·
2	Santhosh Basavarajappa · Bangalore H. Durgesh · Ravikumar Ramakrishnaiah · Abdulaziz A. Al Kheraif · Darshan Devang Divakar Fusobacterium necrophorum from pericoronitis resulting in disseminated intravascular coagulation·Reviews in Medical Microbiology 06/2015; DOI:10.1097/MRM.0000000000000056
3	Bangalore H. Durgesh · Santhosh Basavarajappa · Ravikumar Ramakrishnaiah · Abdulaziz A. Al Kheraif · Darshan Devang Divakar ·A review on microbiological cause of periodontal disease: Disease and treatment.Reviews in Medical Microbiology 04/2015; 26(2). DOI:10.1097/MRM.0000000000000041 ·

Name	Dr.Shazia Mushtaq
Department	Dental Health
Academic Rank	Researcher
Nationality	Indian
Specialty	Oral and Maxillofacial Pathology
Research scope	Oral Pathology

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Dr. Shazia Mushtaq (2012), Role of nuclear medicine in dentistry. www.gjmedph.com Vol. 1, No. 6
2	Dr. Shazia Mushtaq (2014), ANTI CARIOGENIC EFFECTS OF GREEN TEA. J.Bio.Innov3 (1), pp: 20-34
3	<sup>1</sup> Mohammadreza Nakhaei, <sup>2</sup> Hossein Dashti, <sup>3</sup> Farzaneh Ahrari, <sup>4</sup> Samaneh Vasigh, <sup>5</sup> Shazia Mushtaq <sup>6</sup> Rohit Mohan Shetty(2016) Effect of Different Surface Treatments and Thermocycling on Bond Strength of a Silicone-based Denture Liner to a Denture Base Resin. The Journal of Contemporary Dental Practice;17(2):1-5
4	Rahul Anand <sup>1</sup> ,Gargi S. Sarode <sup>1</sup> ,Sachin C. Sarode <sup>1</sup> ,Mamatha Reddy <sup>1</sup> ,Hemant V. Unadkat <sup>2,3</sup> ,Shazia Mushtaq <sup>4</sup> ,Revati Deshmukh <sup>1</sup> ,Shakira Choudhary <sup>1</sup> ,Nitin Gupta <sup>1</sup> ,Anjali P. Ganjre <sup>1</sup> ,Shankargouda Patil <sup>5</sup> (2017) Clinicopathological characteristics of desmoplastic ameloblastoma: A systematic review. J Invest Clin Dent;e12282



Name	Nuha Ejaz Ahmad
Department	Dental Health Department, Dental Hygiene Program
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Senior Dental Hygienist
Research scope	Dental Sleep Medicine, Periodontal Health

## Published Researches in Scientific Journals (Non- ISI)

Num.	Research title
1	Ahmad NE, Sanders AE, Sheats R, Brame JL, Essick GK. Obstructive sleep apnea in association with periodontitis: a case-control study, J Dent Hyg, 2013, vol. 87 (pg. 188-99)

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Obstructive sleep apnea in association with periodontitis: a case-control study	The American Academy of Dental Sleep Medicine 22 <sup>nd</sup> Annual Meeting	USA	2013



Name	DARSHAN DEVANG DIVAKAR
Department	DENTAL BIOMATERIAL RESEARCH CHAIR
Academic Rank	RESEARCHER
Nationality	INDIAN
Specialty	ORAL MEDICINE AND RADIOLOGY (DENTISTRY)
Research scope	DENTAL MATERIAL

## ISI published Researches

Num.	Research title
1.	Seema Rao DDD, Abdulaziz Abdullah Al Kheraif, Ravikumar Ramakrishnaiah Accidental radiographic finding of a maxillofacial gunshot injury- A case report Rom J Leg Med 2014, 22:243-244.
2.	B.H. Durgesha SB, Ravikumar Ramakrishnaiaha, Abdulaziz A. Al Kheraifa, Darshan Divakar: A Review on Microbiological Cause of Periodontal Disease: Disease and Treatment. Reviews in Medical Microbiology 2015, 26(2):53–58.
3.	Darshan Devang Divakar AAK, Ravikumar Ramakrishnaiah, Aftab Ahmed Khan, Sandeepa NC, Obaid Abdullah Alshahrani, Ali Alahmari: Oral Manifestations In Human Immunodeficiency Virus Infected Pediatric Patients Receiving And Not Receiving Antiretroviral Therapy A Cross Sectional Study. Paediatr Croat 2015, 59(3):152-158.
4.	Darshan Devang Divakar JJ, Abdulaziz Abdullah Al Kheraif, Ravi Kumar Ramakrishnaiah, Seema Mavinapalla and Obaid Abdullah Alshahrani: Cranio-Mandibular Parameters of Lateral Cephalometric Radiograph to Determine Sex in Forensic an Electronic Search Study. Anthropologist

	2015, 21(1,2):98-104.
5.	John J, Hariharan M, Remy V, Haleem S, Thajuraj PK, Deepak B, Rajeev KG, Devang Divakar D: Prevalence of skeletal fluorosis in fisherman from Kutch coast, Gujarat, India. <i>Rocz Panstw Zakl Hig</i> 2015, 66(4):379-382.
6.	Khan AA, Siddiqui AZ, Al-Kheraif AA, Zahid A, Divakar DD: Effect of different pH solvents on micro-hardness and surface topography of dental nano-composite: An in vitro analysis. <i>Pak J Med Sci</i> 2015, 31(4):854-859.
7.	Rai NP, Anekar J, Shivaraja Shankara YM, Divakar DD, Al Kheraif AA, Ramakrishnaiah R, Sebastian R, Raj AC, Al-Hazmi A, Mustafa SM: Comparison of Serum Fucose Levels in Leukoplakia and Oral Cancer Patients. <i>Asian Pac J Cancer Prev</i> 2015, 16(17):7497-7500.
8.	Rai NP, Divakar DD, Al Kheraif AA, Ramakrishnaiah R, Mustafa SM, Durgesh BH, Basavarajappa S, Khan AA: Outcome of Palliative and Radical Radiotherapy in Patients with Oral Squamous Cell Carcinoma - a Retrospective Study. <i>Asian Pac J Cancer Prev</i> 2015, 16(16):6919-6922.
9.	Ravikumar Ramakrishnaiaha BHD, Santhosh Basavarajappaa, Abdulaziz A. Al Kheraifa, Darshan Divakar: Oral Infections of Herpes Simplex Virus: Symptoms, Diagnosis, Treatment and Pathophysiology in Periodontal Disease. <i>Reviews in Medical Microbiology</i> 2015, 24(4):138–142.
10.	Ravikumar Ramakrishnaiaha BHD, Santhosh Basavarajappaa, Abdulaziz A. Al Kheraifaa, Darshan Devang Divakar: Genetic, Molecular and Microbiological Aspects of Oral Cancer. <i>Reviews in Medical Microbiology</i> 2015, 26(4):134–137.
11.	Sachin Naik SK, Darshan Devang Divakar, Abdulaziz Abdullah Al Kheraif, Ravikumar Ramakrishnaiah, Obaid Alshahrani, Ali Alahmari and Salem Alsulami: Comparison of Fluoride Level and Bacterial Count in Tap Water, Reverse Osmosis Purified Water and Non-Reverse Osmosis Purified Water. <i>Journal of Pure and Applied Microbiology</i> 2015, 9(1):543-547.
12.	Shabil Mustafa AR, Jayaprasad Anekar, Darshan Devang Divakar, Abdulaziz Abdullah Al Kheraif, Ravikumar Ramakrishnaiah, Aftab Ahmed Khan, Obaid Abdullah Alshahrani, Narendra Prakash Rai: Evaluation of Dental and Skeletal Maturity Using Digital Panoramic Radiographs and Digital Cephalograms. <i>Asian Biomedicine</i> 2015, 9(3):335 – 342.
13.	Shishodia NP, Divakar DD, Al Kheraif AA, Ramakrishnaiah R, Pathan AA, Parine NR, Chandroth SV, Purushothaman B: End stage palliative care of head and neck cancer: a case study. <i>Asian Pac J Cancer Prev</i> 2015, 16(3):1255-1258

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1.	Acharya BL, Nadiger R, Shetty B, Gururaj G, Kumar KN, Darshan DD: Brushing-induced surface roughness of two nickel based alloys and a titanium based alloy: a comparative study - in vitro study. J Int Oral Health 2014, 6(3):36-49.
2.	Bhavika Bhavsar KA, Ibrahim Alzoghaibi, Saleh Nasser Azzeghaibi, Arun J Kumar and Darshan D.D: Analgesics in Endodontics a Short Literature Review. Elixir International Journal Dentistry 2014, 71:24845-24847.
3.	Chandroth SV, Venugopal HK, Puthenveetil S, Jayaram A, Mathews J, Suresh N, Al Kheraif AA, Ramakrishnaiah R, Divakar DD, Asawa K et al: Prevalence of oral mucosal lesions among fishermen of Kutch coast, Gujarat, India. Int Marit Health 2014, 65(4):192-198.
4.	Darshan DD, Kumar CN, Kumar AD, Manikantan NS, Balakrishnan D, Uthkal MP: Clinical study to know the efficacy of Amlexanox 5% with other topical Antiseptic, Analgesic and Anesthetic agents in treating minor RAS. J Int Oral Health 2014, 6(1):5-11.
5.	Divakar DD: Surgical Enucleation of a Massive Residual Cyst. International Journal of Clinical & Medical Imaging 2014, 1(7):1-2.
6.	Sanadhya YK, Thakkar JP, Divakar DD, Pareek S, Rathore K, Yousuf A, Ganta S, Sobti G, Maniar R, Asawa K et al: Effectiveness of oral health education on knowledge, attitude, practices and oral hygiene status among 12-15-year-old schoolchildren of fishermen of Kutch district, Gujarat, India. Int Marit Health 2014, 65(3):99-105.
7.	Shahbaz S, Katti G, Ghali SR, Katti C, Diwakar DD, Guduba V: Salivary alterations in type 1 diabetes mellitus patients: Salivary glucose could be noninvasive tool for monitoring diabetes mellitus. Indian J Dent Res 2014, 25(4):420-424.
8.	Asawa K, Bhanushali NV, Tak M, Kumar DR, Rahim MF, Alshahrhan OA, Divakar DD: Utilization of services and referrals through dental outreach programs in rural areas of India. A two year study. Roczniki Panstw Zakl Hig 2015, 66(3):275-280.
9.	Hussain KA, Tarakji B, Kandy BP, John J, Mathews J, Ramphul V, Divakar DD: Antimicrobial effects of citrus sinensis peel extracts against periodontopathic bacteria: an in vitro study. Roczniki Panstw Zakl Hig 2015, 66(2):173-178.
10.	Reddy UK, Siyo RK, Ul Haque MA, Basavaraja H, Acharya BL, Divakar DD: Effectiveness of health education and behavioral intervention for tobacco de-addiction among degree students: A clinical trial. J Int Soc Prev Community Dent 2015, 5(Suppl 2):S93-S100.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Poster Presentation, Evolution in Radiology,	2 <sup>nd</sup> JUST Conference	Jordan University of Science and Technology, Irbid, Jordan	2014
2	Radiographic interpretation for oral cancer	BITs 2nd annual world congress of oral and dental medicine	Dalian, China	2015

جامعة  
الملك سعود  
King Saud University



College of Applied Medical Sciences



## Clinical Laboratory Sciences

[www.ksu.edu.sa](http://www.ksu.edu.sa)

## A brief Overview

Clinical Laboratory Sciences Department contributes to clinical diagnosis by conducting the latest laboratory techniques on patients' samples and getting the most accurate results as fast as possible.

## Research Scopes

Research interest is divided into many pathways including: Medical microbiology, Clinical biochemistry, Hematology, Immunology, Genetics and nanotechnology.



Name	Abdulrahman Alajlan
Department	Clinical Laboratory Sciences
Academic Rank	Professor
Nationality	Saudi Arabia
Specialty	Clinical Biochemistry
Research scope	Vitamin D Deficiency in pregnant Women and its association with Gestational Diabetes Mellitus (GDM), Pancreatic enzymes and Diabetes Mellitus.

## ISI Published Researches

Num.	Research title
1	Nasser M Al-Daghri, Omar S Al-Attas, Majed S Alokail, Khalid M Alkharfy, Sobhy M Yakout, Naji J Aljohani, Hanan Al Fawaz , Abdulrahman SM Al-Ajlan , Eman S Sheshah , Mansour Al-Yousef and Mohammad Alharbi .Lower vitamin D status is more common among Saudi adults with diabetes mellitus type 1 than in non-diabetics. BMC Public Health 2014, 14:153
2	Nasser M Al-Daghri, Khalid M Alkharfy, Omar S Al-Attas, Nasiruddin Khan, Hanan A Alfawaz, Saad A Alghanim , Mansour A Al-Yousef , Abdulrahman S M Al-Ajlan and Majed S Alokail Gender-dependent associations between socioeconomic status and metabolic syndrome: a cross-sectional study in the adult Saudi population. BMC Cardiovascular Disorders 2014, 14:51
3	Nasser M. Al-Daghri, Naji J. Aljohani, Omar S. Al-Attas, Yousef Al-Saleh, Kaiser Wani, Abdullah M. Alnaami, Hanan Alfawaz, Abdulrahman S. M. Al-Ajlan, Sudhesh Kumar, George P. Chrousos, Majed S. Alokail, Non-high-density lipoprotein cholesterol and other lipid indices vs elevated glucose risk in Arab
4	Omar S Al-Attas , Nasser M Al-Daghri , Majed S Alokail , Khalid M Alkharfy ,

	Nasiruddin Khan , Hanan A Alfawaz , Ibrahim A Aiswaidan , Abdulrahman S Al-Ajlan , George P Chrousos , Association of dietary fatty acids intake with pro-coagulation and inflammation in Saudi Adults. <i>Asia Pac J Clin Nutr</i> 2014;23(1):55-64
5	Nasser M. Al-Daghri, Khalid M. Alkharf , Nasiruddin Khan, Hanan A. Alfawaz, Abdulrahman S. Al-Ajlan, Sobhy M. Yakout <sup>1</sup> , and Majed S. Alokail. Vitamin D Supplement and serum levels of magnesium and Selenium in Type 2 diabetes Mellitus Patients; Gender Dimorphic changes. <i>Int. J. Vitam. Nutr. Res.</i> , 84 (1 – 2), 2014, 27 – 34
6	Abdul Rahman Al Ajlan. Screening of Coeliac disease in undetected adults and patients diagnose with irritable bowel syndrome in Riyadh, Saudi Arabia. <i>Saudi Journal of biological Sciences</i> . 2016, 23, Pp. 462–466
7	Abdulrahman Al-Ajlan; Soundararajan Krishnaswamy; Majed Alokail;Naji Aljohani;Amal Al-Serehi; Eman Sheshah;Naemah Alshingetti;Mona Fouda;Iqbal Turkistani;Nasser Al-Daghri . Vitamin D deficiency and Dyslipidemia in Early Pregnancy. <i>BMC Pregnancy and Childbirth</i> (2015) 15, 314
8	Khalid M. Almutairi, PhD; Eyad M. Al Helih, PhD Mahaman Moussa, PhD; Ahmad E. Boshaiqah, PhD; Abdulrahman Saleh Alajlan, PhD; Jason M. Vinluan, BSc; Abdulaziz Almutairi, MSc. Awareness, Attitudes, and Practices Related to Coronavirus Pandemic Among Public in Saudi Arabia. <i>Fam Community Health</i> 2015. Vol. 38 (No 4), 340-332
9	Nasser M Al-Daghri, Abdulrahman SM Al-Ajlan, Hanan Alfawaz, Sobhy M Yakout <sup>1</sup> , Naji Aljohani, Sudhesh Kumar, Majed S Alokail. Serum cytokine, chemokine and hormone levels in Saudi adults with pre-diabetes: a one-year prospective study. <i>International Journal of Clinical and Experimental</i> . 2015 vol 8 (No 9) 11587- 11593.
10	Nasser M Al-Daghri <sup>1</sup> , Omar S Al-Attas, Kaiser Wani <sup>1</sup> , Abdullah M Alnaami <sup>1</sup> , Shaun Sabico, Abdulrahman Al- Ajlan, George P Chrousos, and Majed S Alokail <sup>1</sup> , Sensitivity of various adiposity indices in identifying cardiometabolic diseases in Arab. <i>Cardiovasc Diabetol</i> (2015) 14:101
11	Almutairi KM, Alhelih E, Al-Ajlan AS, Vinluan JM. A cross-sectional assessment of quality of life of colorectal cancer patients in Saudi Arabia. <i>Clin Transl Oncol</i> . 2016, 18, 144.
12	Almutairi KM , Alonazi WB, Alodhayani AA, Vinluan JM, Moussa M, Al-Ajlan AS , Alsaleh K, Alruwaimi D, Alotaibi NE . Barriers to Cancer Clinical Trial Participation Among Saudi Nationals: A Cross-Sectional Study. <i>Journal of Religion and Health</i> . 2016, pp 1–12
13	Mona A. Fouda a Iqbal Z. Turkestani b Sara Almusharaf. Abdulrahman Al-Ajlan. Fatima F. Angkaya-Bagayawa. Shaun Sabico , Ashry Gad Mohammed. Rana Hassanato . Amal Al-Serehi, Naemah M. Alshingetti , Nasser M. Al-Daghri. Extremely High Prevalence of Maternal and Neonatal Vitamin D Deficiency in the Arab Population. <i>Neonatology J</i> . April 11, 2017 Published online.

14	Nasser M Al-Daghri <sup>1</sup> , Abdulrahman SM Al-Ajlan, Hanan Alfawaz, Sobhy M Yakout <sup>1</sup> , Naji Aljohani <sup>1</sup> , Sudhesh Kumar, Majed S Alokail <sup>1</sup> . Serum cytokine, chemokine and hormone levels in Saudi adults with pre-diabetes: a one-year prospective study. <i>Int J Clin Exp Pathol</i> 2015;8(9):11587-11593
15	Nasser M. Al-Daghri , Hazim A. Al-Hazmi , Abdulrahman Al-Ajlan , Mohammad S. Masoud Abeer Al-Amro , Amani Al-Ghamdi , Abdullah M. Alnaami , Omar S. Al-Attas , Majed S. Alokail. Associations of Spexin and cardiometabolic parameters among women with and without gestational diabetes mellitus. <i>Saudi Journal of Biological Sciences</i> . Accepted 15 January 2018.
16	N. M. Al-Daghri, N. Aljohani, S. Rahman <sup>1</sup> , S. Sabico, O. S. Al-Attas, M. S. Alokail, A. Al-Ajlan, G. P. Chrousos. Serum 25-hydroxyvitamin D status among Saudi children with and without a history of fracture. <i>J Endocrinol Invest</i> (2016) 39:1125–1130



Name	AlHosain AlZahrani
Department	Clinical laboratory sciences
Academic Rank	Professor
Nationality	Saudi
Specialty	Virology
Research scope	My research interests lay in the fields of viral pathogenesis and epidemiology especially Hepatitis C Virus and Kaposi's Sarcoma Virus. The role of genetics in transplantation associated viral infection is another area of interest. In addition, my research scope includes studying enhancement of anti-microbial agents by Nano-technology. Recently, I have been involved in Genome Wide Association Studies (GWAS) to identify the association between genetics make up with chronic and infectious diseases; HCV susceptibility and drug resistance, Thalassemia, Cardiovascular, Hypertension, and Diabetes; in collaboration with well-known international research groups.

## ISI Published Researches

Num.	Research title
1	Mohammad A. Randhawa, Mohammed A. Gondal, <i>Al-Hosain J Al-Zahrani</i> , Siddique G Rashid and Ashraf Ali. Synthesis, morphology and antifungal activity of nano-particulated amphotericin-B, ketoconazole and thymoquinone against <i>Candida albicans</i> yeasts and <i>Candida</i> biofilm. <i>Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering</i> . 2015. 50:119-124
2	Brendan J Keating Pamala A Jacobson, Michael V Holmes <sup>1</sup> , Jessica van Setten, Shefali S Verma, Hareesh Chandrupatla, Nikhil Nair, Hui Gao, Randy Phillips, Chanel Wong, Eyas Mukhtar, Weijia Zhang, Yun R Li., Hongzhi Cao, Cuiping L, Takesha Lee <sup>1</sup> , Laura Steel, James Garifallou, Michael B Miller, Konrad J. Karczewski , Monkol Lek, Yao Fu, Mayur Pawashe, ousy Guettouche, Kelly Thomas, Berta Almoguera, James Snyder, Tiancheng Wang, Aubree Himes, Weihua Guan, Baolin Wu, David Schlad <sup>4</sup> , Madhav Menon <sup>7</sup> , Zhongyang Zhang, Ana Gonzalez, Vinicius Tragante, Mari Malkki, Iwijn De Vlaminck , Brian D Piening, Calvin Strehl, Mary Shaw, Harold Snieder, Goran B Klintmalm, Jacqueline G O'Leary, Sandra Amaral, Samuel Goldfarb, Elizabeth Rand, Joseph W Rossano, Utkarsh Kohli, Peter Heeger, Eli Stahl, Jason D Christie, Maria Hernandez, John E Levine, Richard Aplenc, Eric E Schadt <sup>15</sup> , Barbara E Stranger, Jolanda Kluin, Luciano Potena, Andreas Zuckermann, Kiran Khush, <i>Alhusain J. Alzahrani</i> , Fahad A Al-Muhanna , Ameen K Al-Ali, Abdullah M. Al-Rubaish, et al. Design and Implementation of the International Genetics and Translational Research in Transplantation Network. The International Genetics & Translational Research in Transplantation Network (iGeneTRAiN). <i>Transplantation</i> . 99 (11). 2015.
3	Yun R. Li <sup>1</sup> , Jessica van Setten, Shefali S. Verma, Yontao Lu, Michael V. Holmes, Hui Gao, Monkol Lek, Nikhil Nair, Hareesh, Chandrupatla, Baoli Chang, Konrad J. Karczewski, Chanel Wong, Maede Mohebnasab, Eyas Mukhtar, Randy Phillips, Vinicius Tragante, Cuiping Hou, Laura Steel, Takesha Lee, James Garifallou, Toumy Guettouche, Hongzhi Cao, Weihua Guan, Aubree Himes, Jacob van Houten, Andrew Pasquier, Reina Yu, Elena Carrigan, Michael B. Miller, David Schladt, Abdullah Akdere <sup>1</sup> , Ana Gonzalez <sup>1</sup> , Kelsey M. Llyod, Daniel McGinn, Abhinav Gangasani, Zach Michaud, Abigail Colasacco, James Snyder, Kelly Thomas, Tiancheng Wang, Baolin Wu, <i>Alhusain J. Alzahrani</i> , Ameen K. Al-Ali, Fahad A. Al-Muhanna, Abdullah M. Al-Rubaish, Samir Al-Mueilo, Dimitri S. Monos, Barbara Murphy, Kim M. Olthoff, Cisca Wijmenga, Teresa Webster, Malek Kamoun, Suganthi Balasubramanian, Matthew B. Lanktree, William S. Oetting, Pablo Garcia-Pavia, Daniel G. MacArthur, Paul I W de Bakker, Hakon Hakonarson, Kelly A. Birdwell, Pamala A. Jacobson, Marylyn D. Ritchie, Folkert W. Asselbergs, Ajay K. Israni, Abraham Shaked and Brendan J Keating. Concept and design of a genome-wide

	association genotyping array tailored for transplantation-specific studies. <i>Genome Medicine</i> . 2015. 7:90.
4	Dalal K. Bubshait, Waleed Hamad Albuali, Abdullah A. Yousef, Obeid Eltreifi Obeid, Khaled Alkharsah, Manal Ismaeel Hassan, Chittibabu Vatte, <i>Alhusain J. Alzahrani</i> , Huda Bukhari. Clinical description of human bocavirus infection in five cases with LRTI. <i>Annals of Thoracic Medicine</i> , 2015. Vol 10, Issue 1
5	Alkharsah KR, <i>Alzahrani AJ</i> , Obeid OE, El-Harith EH, Guella A, Mohamed EA, Haykal AH, Stuhmann M, Al-Ali AK. Vascular endothelial growth factor A polymorphism and risk of Kaposi's sarcoma herpesvirus viremia in kidney allograft recipients. <i>Transpl Infect Dis</i> . 2014 Oct;16(5):783-9.
6	AbuAli, G., Chaisaklert, W. Stelloo, S., Pazarentzos, E., Hwang, M-S., Qize, D., Harding, SV., Al-Rubaish, A., <i>Alzahrani, AJ</i> , Al-Ali, A., Sanders TBA, Aboagye, EO. & Grimm, S. The anticancer gene ORCTL3 targets stearyl-CoA desaturase-1 for tumour-specific apoptosis. <i>Oncogene</i> . 2014, 1-11.
7	<i>Alhusain J. Alzahrani</i> , Obeid E. Obeid, Ameen K. Al-Ali, Samir Al-mueilo, Yazeed Al-Sheik, Maaz Ulhasan. Assessment of genetic and immunological factors associated with Hepatitis C infection in Saudi hemodialysis patients. <i>J. Biosciences and Medicines</i> . 2014, 2: 52-58
8	Cyrus C, Vatte C, Borgio JF, Al-Ruaish A, Chathoth S, Nasserullah ZA, Jarrash SA, Sulaiman A, Qutub H, Alsaleem H, <i>Alzahrani AJ</i> , Steinberg MH, Ali AK. Existence of HbF Enhancer Haplotypes at HBS1L-MYB Intergenic Region in Transfusion-Dependent Saudi $\beta$ -Thalassemia Patients. <i>Biomed Res Int</i> . 2017
9	de Kovel CG, Mulder F, van Setten J, van 't Slot R, Al-Rubaish A, Alshehri AM, Al Faraidy K, Al-Ali A, Al-Madan M, Al Aqaili I, Larbi EB, Al-Ali R, <i>Alzahrani A</i> , Asselbergs FW, Koeleman BP, Al-Ali A. Exome-Wide Association Analysis of Coronary Artery Disease in the Kingdom of Saudi Arabia Population. <i>PLoS One</i> . 2016 Feb 5;11(2):
10	Nadeem Fazal, Alla Shelip, <i>Alhusain J. Alzahrani</i> . Burn-injury affect gut-associated lymphoid tissues derived CD4+ T cells. <i>Results in Immunology</i> . 2013. 3: 85-94
11	Manal I. Hassan, Khaled R. Alkharsah, <i>Alhusain J. Alzahrani</i> , Obeid E. Obeid, Amar H. Khamis, Asim Diab. Detection of extended spectrum beta-lactamases-producing isolates and effect of Ampc overlapping. <i>J Infect Dev Ctries</i> . 2013;7(8):618-629
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Name	Amina Hassan
Department	Clinical Laboratory Sciences
Academic Rank	Professor
Nationality	Egyptian
Specialty	Microbiology
Research scope	Microbiology

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Num.	Research title
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Name	Professor: Khalid Khalaf Alahrbi
Department	Clinical Laboratory Sciences
Academic Rank	Professor
Nationality	Saudi
Specialty	Medical Molecular Genetics
Research scope	My major field of interest is Human Molecular Genetics. I am specifically interested in Human Mutations including the MC4R gene involved in obesity and the LDLR gene related to familial Hypercholesterolemia

## ISI Published Researches

Num.	Research title
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## Published Books

Num.	Book title
1	Book Chapter (9). I.N.M. Day, M.A.Al-Dahmesh, L. Haddad <sup>1</sup> , K.K. Alharbi, X.Chen, H. Rassoul <sup>2</sup> , S.E. Humphries <sup>3</sup> , E. Spanakis <sup>4</sup> , D. Eccles. MeltMADGE: economical very high throughput mutation scanning using thermal ramp electrophoresis in conjunction with MADGE (microplate array) gels. <i>In guide to mutation detection. Wiley Publishers</i> . 2005. pp 85-99. ISBN: 0471234443
2	Book Chapter (6)U. Matt Smith, UKhalid K. Alharbi,U Mohammed A. Aldahmesh, Gabriella Pante-de-sousa, Guangwei Hou, Xiao-he Chen, Keith R. Fox, Ian N. M. Day. MADGE-based technologies for identification of unknown mutations at the population level. <i>In Genetic Variance Detection: technologies for pharmacogenomics (ed Karl Hecker)</i> . DNA Press, LLC, 2006. pp 145-162. ISBN: 097476550.
3	Book Chapter (8)U. Day INM, Al-Dahmesh MA, UAlharbi KKU, Chen X, Ganderton RH, Gaunt TR, Hinks LJ, O'Dell SD, Spanakis E (2003). Electrophoresis in microplate formats. In: She ye, Ian N.M.Day, editors. Microarrays and microplates: Applications in Biomedical Sciences. <i>BIOS Scientific Publishers, Oxford</i> , 2003. pp 145-169. ISBN: 185996074X.

Name	Dr. Faten Alzamel
Department	Clinical Laboratory Science
Academic Rank	Assistant Professor
Nationality	Saudi Arabian
Specialty	Immunology - Microbiology
Research scope	Immunology of infectious diseases and cancer

## ISI Published Researches

Num.	Research title
1	<i>F Al Zamel, B Al Maarik, A Hakawi, S Kaempfer, A Alrajhi, A Al Nashmi, Prof M Singh, S Dermime</i> (2010). IFN- $\gamma$ Responses of Tuberculosis Patients to Different Formulations of Mycobacterium antigens before, during and after Treatment. <i>The New Egyptian Journal of Medicine</i> , 43(3),167-183.
2	<i>Faten A Al-Zamel</i> (2009). Detection and diagnosis of <i>Mycobacterium tuberculosis</i> . <i>Expert rev. Anti Infect. Ther</i> , 7(9), 1099-1108.
3	<i>T.A. El-Kersh, L.A. Al-Nuaim, T.A. Kharfy, F.J. Al-Shammary, S.S. Al-Saleh, F.A. Al-Zamel</i> (2000). Detection of genital colonization of group B streptococci during late pregnancy. <i>Saudi Med. J.</i> , 23, 1
4	<i>F.A. Al-Zamel</i> (April, 1998). Evaluation of "E" test and comparison with agar dilution method for MIC determination of antimicrobial agents. <i>Saudi Pharmaceutical Journal</i> , 6(2).
5	<i>F.A. Al-Zamel</i> (1996). Cells of the immune system. <i>Journal of Science and technology</i> , 37, 8-11.
6	<i>F.A. Al-Zamel, A.F. Tawfik, F.J. Al-Shammary, T.A. El-Kersh, A.M. Kambal &amp; A.M. Shibl</i> (1996) Antibiotic resistance and serotypes of clinical isolates of pseudomonas in Riyadh. <i>Medical Science Research</i> , 24, 103-105.
7	<i>F.A. Al-Zamel, F.J. Al-Shammary, S. El-Shewemi, &amp; R. Soliman</i> (1996). Enhancement of leishmanicidal activity of human macrophages against leishmania major and leishmania donovani infection using recombinant human granulocyte macrophage colony stimulating factor. <i>International Journal of Medical Microbiology, Virology, Parasitology and Infectious Diseases</i> , 285, 92-105.
8	<i>A. F. Tawfik, F.A. Al-Zamel, M.A. Ramadan, &amp; A.M. Shibl</i> (1996). Effect of beta-lactamase inhibitors on normal immune

	capabilities and their interactions with staphylococcal pathogenicity. <i>Journal of Chemotherapy</i> , 8(2), 102-106.
9	S. El-Shewmi, F. Al-Shammary, F.A. Al-Zamel, & R. Soliman (1996). Ultrastructure of resting and rh-GMCSF- treated human macrophages derived from blood monocytes. <i>J. Electron Microsc</i> , 35, 388-394.
10	A.M. Shibl, A.F. Tawfik, M.A. Ramadan, F.A. Al-Zamel (1996). Activity of imipene against multi-resistant gram-negative bacilli isolated from Riyadh hospitals. <i>Saudi Medical Journal</i> , 17(3), 322-326
11	R. Soliman, F.A. Al-Zamel, F.J. Al-Shammary, A.F. Tawfik, & A.S. Al-Tuwaijri (1995). Evaluation of the immunopotential of Brucella-specific dialysable leucocyte extract in guinea pig model. <i>Medical Research Science</i> , 23, 609-612.
12	F.J. Al-Shammary, F.A. Al-Zamel, S. El-Shewmi, & R. Soliman (1995). Effect of rh-GMCSF and rh-GCSF on oxygen free radical production by human neutrophils and blood monocyte-derived human macrophages. <i>Renal Physiology and Biochemistry</i> , 18, 278-287.
13	B. Younes, A. Al-meshari, A. Al-Hakeem, S. Al-Saleh, F.A. Al-Zamel, F. Al-Shammary, & A. Al-Warthan (DATE?). Lead concentration in breast milk of nursing mothers living in Riyadh. <i>Annals of Saudi Medicine</i> , 15(3), 249-251.
14	M. A. Al-Sekait, L.A. Al-Ansary, & F.A. Al-Zamel (1993). Prevalence of pathogenic intestinal parasites among Saudi rural school children. <i>European Journal of Public Health</i> , 3, 232-236.
15	S.L. James, L.A. Deblois, F.A. Al-Zamel, & J. Glavin (1991). Defective vaccine-induced resistance to <i>Schistosoma mansoni</i> in P mice. <i>J. Immunology</i> , 137, 3959-3967.
16	Z. Caulada, F.A. Al-Zamel, S.L. James & E. Pearce (April 1991). Characterization of TH1 versus TH2 cell function in mice vaccinated with radiation-attenuated cercariae. <i>J. Immunology</i> .

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Comparative humoral and cellular responses of patients diagnosed with TB to different mycobacterium antigens	The Annual Congress of The British Society for Immunology	UK	2005
2	Antimicrobial resistance and B-lactamases detection among enterobacteriaceae isolated from Madina hospital	The International Symposium on Pathology and Laboratory Medicine	KSA	1997
3	Phenotypic characterization of IL-2 propagated T-lymphocytes	Symposium in Interferones and cytokines Basic Science and Clinical Aspects	KSA	1997
4	Poster: Antibiotic resistance and serotypes of clinical isolates of pseudomonas aeruginosa.	The Symposium on Recent Advances in Microbiology and Infectious Diseases	KSA	1996
5	Characterization of TH1 versus TH2 cell function in mice vaccinated with radiation-attenuated cercariae	38 <sup>th</sup> Annual Meeting of the American Society for Tropical Medicine.	USA	

Name	Dr. Sabah Ansar
Department	Clinical Laboratory Sciences
Academic Rank	Associate Professor
Nationality	Americas
Specialty	Biochemistry (Toxicology)
Research scope	Womens Health, Preventive Health, Alzheimers and Cancer studies

## ISI Published Researches

Num.	Research title
1	Sabah Ansar , Manal Abudawood, Sherifa Shaker Hamed & Mukhtar M. Aleem Exposure to Zinc Oxide Nanoparticles Induces Neurotoxicity and Proinflammatory Response: Amelioration by Hesperidin, Biol Trace Elem Res (2017) 175:360–366
2	Sabah Ansar, Nikhat Jamal Siddiqi, Seema Zargar, Majid Ahmad Ganaie and Manal Abudawood. Hepatoprotective effect of Quercetin supplementation against Acrylamide induced DNA damage in wistar rats. BMC Complementary and Alternative Medicine (2016) 16:327
3	Seema Zargar, Nikhat Jamal Siddiqi, Sabah Ansar, Maha Saleh Alsulaimani & Afaf K. El Ansary Therapeutic role of quercetin on oxidative damage induced by acrylamide in rat brain. Pharm Biol 2016 54(9):1763-7
4	S Ansar, M Iqbal. Protective effect of diallylsulphide against mercuric chloride-induced hepatic injury in rats Hum Exp Toxicol. 2016, Vol. 35(12) 1305–1311
5	S. Ansar, S. Hamed, H. T. AlGhosooun, R. A. AlSaedan & M. Iqbal The protective effect of rutin against renal toxicity induced by lead acetate. Toxin Rev, 2016; 35(1–2): 58–62
6	S Ansar, M Iqbal. Amelioration of ferric nitrilotriacetate-induced hepatotoxicity in Wistar rats by diallylsulfide Hum Exp Toxicol. 2016, Vol. 35(3) 259–266
7	S Ansar, M Iqbal. Antioxidant and nephroprotective potential of butylated hydroxyanisole against ferric nitrilotriacetate-induced oxidative stress and early tumor events. Hum Exp Toxicol. 2016, Vol. 35(4) 448–453
8	S Ansar, M Iqbal Effect of dietary antioxidant on mercuric chloride

	induced lung toxicity and oxidative stress. <i>Toxin Rev</i> , 2015; 34(4): 168–172
<b>9</b>	Sabah Ansar, Haneem T AlGhosoon and Sharefa Hamed Evaluation of protective effect of rutin on lead acetate-induced testicular toxicity in Wistar rats <i>Toxin Rev</i> , 2015; 34(4): 195–199
<b>10</b>	S. Ansar and M Iqbal and Noura Al-Jameil. Diallylsulphide, a component of garlic, abrogates ferric nitrilotriacetate-induced oxidative stress and renal damage in rats <i>Hum Exp Toxicol</i> . 2014;33(12):1209-16.
<b>11</b>	S. Ansar and M Iqbal. Ascorbic Acid inhibits Ferric Nitrilotriacetate (Fe-NTA) induction of ornithine decarboxylase, DNA synthesis, oxidative stress and hepatotoxicity in rats. <i>Toxicol Ind Health</i> 2015, Vol. 31(11) 1008–1014



Name	Yazeed Al Sheikh
Department	Clinical Laboratory Sciences
Academic Rank	Associate professor
Nationality	Saudi
Specialty	Medical molecular genetics
Research scope	Transgenic modulation of cancer, early markers of cancer, oxidative stress related disorders

## ISI Published Researches

Num.	Research title
1	Ahmed AM, Hussein HI, El-Kersh TA, Al-Sheikh YA, Ayaad TH, El-Sadawy HA, Al-Mekhlafi FA, Ibrahim MS, Al-Tamimi J, Nasr FA. Larvicidal Activities of Indigenous <i>Bacillus thuringiensis</i> Isolates and Nematode Symbiotic Bacterial Toxins against the Mosquito Vector, <i>Culex pipiens</i> (Diptera: Culicidae). <i>J Arthropod Borne Dis.</i> 2017 May 27;11(2):260-277. eCollection 2017 Jun. PMID:29062851
2	Al-Sheikh YA, Ghneim HK, Aljaser FS, Aboul-Soud MAM. Ascorbate ameliorates <i>Echis coloratus</i> venom-induced oxidative stress in human fibroblasts. <i>Exp Ther Med.</i> 2017 Jul;14(1):703-713. doi: 10.3892/etm.2017.4522. Epub 2017 May 30. PMID:28672988
3	El-Kersh TA, Ahmed AM, Al-Sheikh YA, Tripet F, Ibrahim MS, Metwalli AA. Isolation and characterization of native <i>Bacillus thuringiensis</i> strains from Saudi Arabia with enhanced larvicidal toxicity against the mosquito vector <i>Anopheles gambiae</i> (s.l.). <i>Parasit Vectors.</i> 2016 Dec 19;9(1):647. PMID:27993165
4	Mahmoud AM, Aboul-Soud MA, Han J, Al-Sheikh YA, Al-Abd AM,

	El-Shemy HA. Transcriptional profiling of breast cancer cells in response to mevinolin: Evidence of cell cycle arrest, DNA degradation and apoptosis. <i>Int J Oncol.</i> 2016 May;48(5):1886-94. doi: 10.3892/ijo.2016.3418. Epub 2016 Mar 4. PMID:26983896
5	El-Kersh TA, Marie MA, Al-Sheikh YA, Al-Agamy MH, Al Bloushy AA. Prevalence and risk factors of early fecal carriage of <i>Enterococcus faecalis</i> and <i>Staphylococcus</i> spp and their antimicrobial resistant patterns among healthy neonates born in a hospital setting in central Saudi Arabia. <i>Saudi Med J.</i> 2016 Mar;37(3):280-7. doi: 10.15537/smj.2016.3.13871. PMID:26905350
6	Al-Sheikh YA, Ghneim HK, Softa KI, Al-Jobran AA, Al-Obeed O, Mohamed MA, Abdulla M, Aboul-Soud MA. Expression profiling of selected microRNA signatures in plasma and tissues of Saudi colorectal cancer patients by qPCR. <i>Oncol Lett.</i> 2016 Feb;11(2):1406-1412. Epub 2015 Dec 31. PMID:26893751
7	Ghneim HK, Al-Sheikh YA, Alshebly MM, Aboul-Soud MA. Superoxide dismutase activity and gene expression levels in Saudi women with recurrent miscarriage. <i>Mol Med Rep.</i> 2016 Mar;13(3):2606-12. doi: 10.3892/mmr.2016.4807. Epub 2016 Jan 26. PMID:26821085
8	Elkersh T, Marie MA, Al-Sheikh YA, AlBloushy A, Al-Agamy MH. Prevalence of fecal carriage of extended-spectrum- and metallo- $\beta$ -lactamase-producing gram-negative bacteria among neonates born in a hospital setting in central Saudi Arabia. <i>Ann Saudi Med.</i> 2015 May-Jun;35(3):240-7. doi: 10.5144/0256-4947.2015.240. PMID:26409799
9	Shaik AP, Shaik AS, Al-Sheikh YA. Colorectal cancer: A review of the genome-wide association studies in the kingdom of Saudi Arabia. <i>Saudi J Gastroenterol.</i> 2015 May-Jun;21(3):123-8. doi: 10.4103/1319-3767.157548. Review. PMID:26021770
10	Ghneim HK, Al-Sheikh YA, Aboul-Soud MA. The effect of <i>Walterinnesia aegyptia</i> venom proteins on TCA cycle activity and mitochondrial NAD(+)-redox state in cultured human fibroblasts. <i>Biomed Res Int.</i> 2015;2015:738147. doi: 10.1155/2015/738147. Epub 2015 Feb 1. PMID:25705684
11	Alharbi KK, Khan IA, Al-Sheikh YA, Alharbi FK, Alharbi FK, Al-Nbaheen MS. Lack of association between UBE2E2 gene polymorphism (rs7612463) and type 2 diabetes mellitus in a Saudi population. <i>Acta Biochim Pol.</i> 2014;61(4):769-72. Epub 2014 Oct 22. PMID:25337779
12	Al Sheikh YA, Marie MA, John J, Krishnappa LG, Dabwab KH. Prevalence of 16S rRNA methylase genes among $\beta$ -lactamase-producing <i>Enterobacteriaceae</i> clinical isolates in Saudi Arabia. <i>Libyan J Med.</i> 2014 Jul 7;9:24432. doi: 10.3402/ljm.v9.24432. eCollection 2014. PMID:25005152

13	Krishnappa LG, Marie MA, Al Sheikh YA. Characterization of carbapenem resistance mechanisms in <i>Klebsiella pneumoniae</i> and in vitro synergy of the colistin-meropenem combination. <i>J Chemother.</i> 2015 Oct;27(5):277-82. doi: 10.1179/1973947814Y.0000000197. Epub 2014 May 28. PMID:24871673
14	l-Sheikh YA, K Gowda L, Mohammed Ali MM, John J, Khaled Homoud Mohammed D, Chikkabidare Shashidhar P. Distribution of serotypes and Antibiotic susceptibility patterns among invasive pneumococcal diseases in Saudi Arabia. <i>Ann Lab Med.</i> 2014 May;34(3):210-5. doi: 10.3343/alm.2014.34.3.210. Epub 2014 Apr 8. Erratum in: <i>Ann Lab Med.</i> 2014 Sep;34(5):411. Al-Sherikh, Yazeed [corrected to <b>Al-Sheikh, Yazeed A</b> ]. PMID:24790908
15	Lakshmana Gowda K, Marie MA, Al-SheikhYA, John J, Gopalkrishnan S, Chikkabidare Shashidhar P, Dabwan KH. A 6-year surveillance of antimicrobial resistance patterns of <i>Acinetobacter baumannii</i> bacteremia isolates from a tertiary care hospital in Saudi Arabia during 2005-2010. <i>Libyan J Med.</i> 2014 Apr 3;9:24039. doi: 10.3402/ljm.v9.24039. eCollection 2014. No abstract available. PMID:24702832 <i>Libyan J Med.</i> 2014 Jan;9(1):24039. doi: 10.3402/ljm.v9.24039. No abstract available. PMID:28156270
16	Alharbi KK, Khan IA, Bazzi MD, Al-Daghri NM, Hasan TN, Alnbaheen MS, Alharbi FK, Al-Sheikh YA, Syed R, Aboul-Soud MA. A54T polymorphism in the fatty acid binding protein 2 studies in a Saudi population with type 2 diabetes mellitus. <i>Lipids Health Dis.</i> 2014 Apr 1;13:61. doi: 10.1186/1476-511X-13-61. PMID:24690233
17	Al Akeel R, Al-Sheikh Y, Mateen A, Syed R, Janardhan K, Gupta VC. Evaluation of antibacterial activity of crude protein extracts from seeds of six different medical plants against standard bacterial strains. <i>Saudi J Biol Sci.</i> 2014 Apr;21(2):147-51. doi: 10.1016/j.sjbs.2013.09.003. Epub 2013 Oct 5. PMID:24600307
18	Alharbi KK, Al-Sheikh YA. Role and implications of nanodiagnostics in the changing trends of clinical diagnosis. <i>Saudi J Biol Sci.</i> 2014 Apr;21(2):109-17. doi: 10.1016/j.sjbs.2013.11.001. Epub 2013 Nov 19. Review. PMID:24600302
19	Alharbi KK, Khan IA, Munshi A, Alharbi FK, Al-Sheikh Y, Alnbaheen MS. Association of the genetic variants of insulin receptor substrate 1 (IRS-1) with type 2 diabetes mellitus in a Saudi population. <i>Endocrine.</i> 2014 Nov;47(2):472-7. doi: 10.1007/s12020-014-0177-2. Epub 2014 Feb 4. PMID:24493031
20	Alharbi KK, Khan IA, Al-Daghri NM, Munshi A, Sharma V, Mohammed AK, Wani KA, Al-Sheikh YA, Al-Nbaheen MS, Ansari MG, Syed R. ABCA1 C69T gene polymorphism and risk of type 2

	diabetes mellitus in a Saudi population. J Biosci. 2013 Dec;38(5):893-7. PMID:24296892
21	Al-Akeel RA, El-Kersh TA, Al-Sheikh YA, Al-Ahmadey ZZ. Heparin-benzyl alcohol enhancement of biofilms formation and antifungal susceptibility of vaginal Candida species isolated from pregnant and nonpregnant Saudi women. Bioinformation. 2013 Apr 13;9(7):357-62. doi: 10.6026/97320630009357. Print 2013. PMID:23750080
22	Ghneim HK, Al-Sheikh YA. Effect of selenium supplementation on glutathione peroxidase and catalase activities in senescent cultured human fibroblasts. Ann Nutr Metab. 2011;59(2-4):127-38. doi: 10.1159/000334069. Epub 2011 Dec 2. PMID:22142804
23	Al-Sheikh YA, Ghneim HK. 'The effect of micronutrients on superoxide dismutase in senescent fibroblasts'. Cell Biochem Funct. 2011 Jul;29(5):384-93. doi: 10.1002/cbf.1761. Epub 2011 Apr 29. PMID:21538411
24	Ghneim HK, Al-Sheikh YA. The effect of aging and increasing ascorbate concentrations on respiratory chain activity in cultured human fibroblasts. Cell Biochem Funct. 2010 Jun;28(4):283-92. doi: 10.1002/cbf.1653. PMID:20517892

Name	Feda S. Al-Jaser
Department	Clinical Laboratory Sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Human Reproduction
Research scope	Human development and assisted conception, fertility cryopreservation, ovarian freezing and transplantation, gene expression and examining RNA elements in spermatozoa, role of some microRNA in both cancer cells and in unexplained male infertility, in addition to examining the effect of oxidative stress on normal conception and on other several pathologies and body mechanisms.

## ISI Published Researches

Num.	Research title
1	HK, Aljaser FS, Aboul-Soud Ghneim ,Al-Sheikh YA venom-induced coloratus <i>Echis</i> ameliorates Asorbate. (2017) MAM <i>Experimental and Therapeutic</i> .oxidative stress in human fibroblasts 713-703 :14 <i>Medicine</i>
2	Fahmy RM, Bhat RS, Al-Mutairi M, Aljaser FS, El-Ansary A (2017). Correlation between glycemic control and peripapillary retinal nerve fiber layer thickness in Saudi type II diabetics. <i>Clinical Ophthalmology</i> , 12 pp 419-425.
3	Allen C, Aljaser -Pincott ,Campbell BK, Hernandez-Medrano J, Onions V HM (2014). Restoration of Picton & ,AS, Webb R McNeilly ,F, Fisher J ovarian function and natural fertility following the cryopreservation <i>Human</i> .of whole adult sheep ovaries autotransplantation and .63-1749 :(8) 29 , <i>Reproduction</i>

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Feda S. Aljaser, Bruce K. Campbell, Faisal S. Almajed and Mathew J. Tomlinson (2017). Efficacy of Ultra-Rapid Freezing by Direct Immersion into Liquid Nitrogen for Sperm Cryopreservation and Its Potential for Male Fertility Preservation. <i>International Journal of Innovative Research in Medical Science (IJIRMS)</i> , 2 (10): 1401-1413.
2	Faisal Almajed, Yasser Bader S. Swailem, Feda Aljaser, Hazem Aqel, Sameera Al-Juhani and Shoeb Qureshi. Antimicrobial susceptibility of <i>Escherichia coli</i> isolates from blood in relation to age, sex and months. <i>International Educational Scientific Research Journal</i> , 3 (11) pp 2455-295X.

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Investigating the efficacy of the novel liquidus tracking method for ovarian tissue cryopreservation	European Society of Human Reproduction and Embryology	UK	2013
2	The Ultra rapid freezing of seminal plasma free or density gradient prepared sperm testing sucrose as an cryoprotectant alternative	The Association of Clinical Embryologists annual meeting	UK	2013
3	Optimisation of period exposure cryoprotectant of for whole ovarian ."cryopreservation	European Society of Human Reproduction and Embryology	Turkey	2012

Name	Haifa Mohammed Alnafea
Department	Clinical Laboratory Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Microbiology and Hematology
Research scope	Cellular immunity

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Nuha Mahmoud Hamdi, Haya Salem Al-Juray, Haifa M. Al-Nafea, Roaa Adnan Safar, Khulood Mohamed Al Eisa, Nagwa Mohamed A. Aref. Evaluate the Sustainability of Viral Response to Antiviral Treatment by IL33 Assessment among Hepatitis C virus Saudi Patients. Clinical Medicine and Diagnostics 2016, 6(6): 129-136
2	Haifa M Al-Nafea, Nuha M Hamdy, Nagwa M A Aref. Lymphocyte subset and anti-HLA in AIDS Saudi patients. Research Journal of Allergy and Immunology. 2016 Volume 1 Issue 1
3	Haifa M. Al-Nafea, Nouha M. Hamdy, Nagwa M. A. Aref, Evaluation of Interleukin 17 Level as a Prognostic Marker in Active Antiviral Treated Human Immunodeficiency Virus in Saudi Patients. American Journal of Biochemistry. 2017; 7(2): 13-22. doi:10.5923/j.ajb.20170702.01
4	Haifa M. Al-Nafea, Nouha M. Hamdy, Nagwa M. A. Aref, Interleukin-27 is Differentially Associated with CD4+ T Cell Counts in HIV Saudi Patients under Highly Active Antiretroviral Therapy. International Journal of Internal Medicine 2017, 6(2): 27-32. DOI: 10.5923/j.ijim.20170602.01

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Nagwa M. Aref, Haifa M. Al-Nafea and Nuha M. Hamdy (Abst. No.44). Interleukin-27 is differentially associated with CD4+ T cell counts in HIV Saudi patients under highly active antiretroviral therapy.	Egyptian Society of Virology The 6th International Conference of Virology viral risks and environmental changes the Role of national & international organizations.	Hurghada , Egypt	November 29– December 2, 2016
2	HaifaM. Alnafea and Nagwa M. Aref Evaluation of Interleukin 17 Level as a Prognostic Marker in Active Antiviral Treated Human Immunodeficiency Virus in Saudi Patients.	Poster presentation: The seventh scientific research day	Dean of research KSU.SA	by 25-26 April 2017. KSU campus-building 30.

Name	Manal Abudawood
Department	Clinical Laboratory Sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Cellular pathology/Cancer cell and Molecular Biology
Research scope	Cancer biology specifically discovery and functional characterisation of cancer biomarkers with an emphasis on renal carcinoma. This includes investigation of the key hallmarks of cancer such as proliferative signalling, invasion and metastasis using combination of cellular and molecular techniques such as PCR, microarray, IHC and western blotting.

## ISI Published Researches

Num.	Research title
1	Abudawood, M., Tabassum, H., Ansar, S., Almosa, K., Sobki, S., Ali, M. N., & Aljohi, A. (2017). Assessment of gender-related differences in vitamin D levels and cardiovascular risk factors in Saudi patients with type 2 diabetes mellitus. Saudi Journal of Biological Sciences.
2	Ansar, S., Abudawood, M., Hamed, S. S., & Aleem, M. M. (2017). Exposure to zinc oxide nanoparticles induces neurotoxicity and proinflammatory response: amelioration by hesperidin. Biological trace element research, 175(2), 360-366.
3	Ansar, S., Siddiqi, N. J., Zargar, S., Ganaie, M. A., & Abudawood, M. (2016). Hepatoprotective effect of Quercetin supplementation against Acrylamide-induced DNA damage in wistar rats. BMC complementary and alternative medicine, 16(1), 327.
4	Ansar, S., Abudawood, M., Hamed, S. S., & Aleem, M. M. (2017). Sodium selenite protects against silver nanoparticle-induced testicular toxicity and inflammation. Biological trace element research, 175(1), 161-168.
5	Krupinski, J., Abudawood, M., Matou-Nasri, S., Al-Baradie, R., Petcu, E. B., Justicia, C., ... & Secades, J. (2012). Citicoline induces angiogenesis improving survival of vascular/human brain microvessel endothelial cells through pathways involving ERK1/2 and insulin receptor substrate-1. Vascular cell, 4(1), 20.

## Published Researches In Scientific Journal

Numb	Research title	Journal	Vol.-No.-Pages	Year of publication
1	Effect of rutin on proinflammatory cytokines and oxidative stress in toxin-mediated hepatotoxicity	Journal Toxin Reviews	8-1	2017

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Expression of ribonucleotide reductase M2 subunit in clear cell renal cell carcinoma and effects of RRM2 inhibition in vitro.	European <sup>th</sup> 5 Multidisciplinary Meeting on Urological Cancers (EMUC)	France	2013
2	The oncogenic potential of ribonucleotide reductase M2 (RRM2) in clear cell renal cell carcinoma.	the International 9 <sup>th</sup> Conference of Anticancer Research	Greece	2014
3	Down-regulation of a potential oncogene ribonucleotide reductase M2 (RRM2) in clear cell renal cell carcinoma.	National Research Cancer Institute (NCRI) Cancer Conference	UK	2013
4	Investigating molecular functions of markers tumour potential in clear cell renal cell (ccRCC) carcinoma	ECCO-38th the17 ESMO-32nd ESTRO European Cancer Congress	Netherland	2013

Name	Mashael Al-Toub
Department	Clinical Laboratory Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Anatomoy/Histology
Research scope	Stem cell, Histology

## ISI Published Researches

Num.	Research title	Journal	Vol.-No.-Pages	Year of publication	Citation
1	CDH1 and IL1-beta expression dictates FAK and MAPKK-dependent cross-talk between cancer cells and human mesenchymal stem cells	Stem Cell .Ther Res	6:135	2015	<a href="https://stemcellres.biomedcentral.com/articles/10.1186/s13287-015-0123-0">https://stemcellres.biomedcentral.com/articles/10.1186/s13287-015-0123-0</a>
2	Pleiotropic effects of cancer cells' secreted factors on human stromal (mesenchymal) stem cells	Stem Cell .Ther Res	.114:(5)4;	2013	<a href="https://stemcellres.biomedcentral.com/articles/10.1186/scrt325">https://stemcellres.biomedcentral.com/articles/10.1186/scrt325</a>



Name	May Mohammed Alrashed
Department	Clinical laboratory of sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Molecular genetics
Research scope	Molecular characterization of different diseases Mutation identification, Whole exome sequencing, Next generation sequencing, nano-technology, data analysis.

## ISI Published Researches

Num.	Research title
1	Khan AO, Alrashed M, Alkuraya FS. <u>Cone dystrophy with supranormal rod response' in children.</u> Br J Ophthalmol. 2012 Mar;96(3):422-6. doi: 10.1136/bjophthalmol-2011-300271. Epub 2011 Sep 6. PMID: 21900228
2	Khan AO, Alrashed M, Alkuraya FS. Clinical characterisation of the CABP4-related retinal phenotype. Br J Ophthalmol. 2013 Mar;97(3):262-5. doi: 10.1136/bjophthalmol-2012-302186. Epub 2012 Oct 25. PMID:23099293
3	Abu-Safieh L, Alrashed M, Anazi S, Alkuraya H, Khan AO, Al-Owain M, Al-Zahrani J, Al-Abdi L, Hashem M, Al-Tarimi S, Sebai MA, Shamia A, Ray-Zack MD, Nassan M, Al-Hassnan ZN, Rahbeeni Z, Waheeb S, Alkharashi A, Abboud E, Al-Hazzaa SA, Alkuraya FS. Autozygome-guided exome sequencing in

	retinal dystrophy patients reveals pathogenetic mutations and novel candidate disease genes. <i>Genome Res.</i> 2013 Feb;23(2):236-47. doi: 10.1101/gr.144105.112. Epub 2012 Oct 26. PMID:23105016
4	Al-Rashed M, Abu Safieh L, Alkuraya H, Aldahmesh MA, Alzahrani J, Diya M, Hashem M, Hardcastle AJ, Al-Hazzaa SA, Alkuraya FS. RP1 and retinitis pigmentosa: report of novel mutations and insight into mutational mechanism. <i>Br J Ophthalmol.</i> 2012 Jul;96(7):1018-22. doi: 10.1136/bjophthalmol-2011-301134. Epub 2012 Feb 8. PMID:22317909
5	Abu-Safieh L, Al-Anazi S, Al-Abdi L, Hashem M, Alkuraya H, Alamr M, Sirelkhatim MO, Al-Hassnan Z, Alkuraya B, Mohamed JY, Al-Salem A, Alrashed M, Fageih E, Softah A, Al-Hashem A, Wali S, Rahbeeni Z, Alsayed M, Khan AO, Al-Gazali L, Taschner PE, Al-Hazzaa S, Alkuraya FS. In search of triallelism in Bardet-Biedl syndrome. <i>Eur J Hum Genet.</i> 2012 Apr;20(4):420-7. doi: 10.1038/ejhg.2011.205. Epub 2012 Feb 22. PMID:22353939
6	Khalak HG, Wakil SM, Imtiaz F, Ramzan K, Baz B, Almostafa A, Hagos S, Alzahrani F, Abu-Dhaim N, Abu Safieh L, Al-Jbali L, Al-Hamed MS, Monies D, Aldahmesh M, Al-Dosari MS, Kaya N, Shamseldin H, Shaheen R, Al-Rashed M, Hashem M, Al-Tassan N, Meyer B, Alazami AM, Alkuraya FS. Autozygome maps dispensable DNA and reveals potential selective bias against nullizygosity. <i>Genet Med.</i> 2012 May;14(5):515-9. doi: 10.1038/gim.2011.28. Epub 2012 Jan 5. PMID:22241088

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	RP1 and Retinitis Pigmentosa: report of novel mutations and insight into mutational mechanism	ARNO Annual Meeting	USA	2012
2	Recessive RP1 mutations unlock the mechanism of dominant RP1 mutation	International Symposium on Mutation in the Genome	Greece	2011
3	Homozygosity mapping and whole exome sequencing identified four novel candidate retinal dystrophy genes	European Conference of Human Genetics	Italy	2014



Name	Dr. Mourad A. M. Aboul-Soud
Department	Clinical Laboratory Sciences
Academic Rank	Assistant Professor
Nationality	Egyptian
Specialty	Biochemistry & Molecular Biology
Research scope	Clinical Biochemistry, Molecular Carcinogenesis, Oxidative Stress, Bioactive Compounds from Natural Sources, Molecular Toxicology, Genotoxicity, Apoptosis, cell cycle control, Senescence.

## ISI Published Researches

Num.	Research title
1	Al-Sheikh YA, Ghneim HK, Aljaser FS and Aboul-Soud MAM (2017). Ascorbate ameliorates Echis coloratus venom-induced oxidative stress in human fibroblasts. Exp Ther Med. 2017 Jul;14(1):703-713.
2	Zhang XY, Zhang PY, Aboul-Soud MAM (2017). From inflammation to gastric cancer: Role of <i>Helicobacter pylori</i> . Oncol Lett. 2017 Feb;13(2):543-548.
3	El-Desoky GE, Abdel-Ghaffar A, Al-Othman ZA, Habila MA, Al-Sheikh YA, Ghneim HK, Giesy JP, Aboul-Soud MA (2017). Curcumin protects against tartrazine-mediated oxidative stress and hepatotoxicity in male rats. Eur Rev Med Pharmacol Sci. Feb;21(3):635-645.
4	Ashour AE, Ahmed AF, Kumar A, Zoheir KM, Aboul-Soud MA,

	Ahmad SF, Attia SM, Abd-Allah AR, Cheryan VT, Rishi AK (2016). Thymoquinone inhibits growth of human medulloblastoma cells by inducing oxidative stress and caspase-dependent apoptosis while suppressing NF- $\kappa$ B signaling and IL-8 expression. <i>Mol Cell Biochem.</i> 416(1-2):141-55.
5	Aboul-Soud MAM, El-Shemy HA, Aboul-Enein KM, Mahmoud AM, Al-Abd AM, Lightfoot DA. Effects of plant-derived anti-leukemic drugs on individualized leukemic cell population profiles in Egyptian patients. <i>Oncol Lett.</i> 2016 Jan;11(1):642-648
6	Mahmoud AM, Aboul-Soud MAM, Han J, Al-Sheikh YA, Al-Abd AM, El-Shemy HA. Transcriptional profiling of breast cancer cells in response to mevinolin: Evidence of cell cycle arrest, DNA degradation and apoptosis. <i>Int J Oncol.</i> 2016 May;48(5):1886-1894.
7	Al-Sheikh YA, Ghneim HK, Softa KI, Al-Jobran AA, Al-Obeed O, Mohamed MA, Abdulla M, Aboul-Soud MAM. Expression profiling of selected microRNA signatures in plasma and tissues of Saudi colorectal cancer patients by qPCR. <i>Oncol Lett.</i> 2016 Feb;11(2):1406-1412
10	Ghneim HK, Al-Sheikh YA, Alshebly MM, Aboul-Soud MAM. (2016). Superoxide dismutase activity and gene expression levels in Saudi women with recurrent miscarriage. <i>Mol Med Rep.</i> 13(3):2606-2612
11	Al Naggar Y, Wiseman S, Sun J, Cutler GC, Aboul-Soud MAM, Naiem E, Mona M, Seif A, Giesy JP. (2015). Effects of environmentally-relevant mixtures of four common organophosphorus insecticides on the honey bee ( <i>Apis mellifera</i> L.). <i>J Insect Physiol.</i> Nov;82:85-91.
12	Ghneim HK, Al-Sheikh YA, Aboul-Soud MAM (2015). The effect of <i>Walterinnesia aegyptia</i> venom proteins on TCA cycle activity and mitochondrial NAD(+)-redox state in cultured human fibroblasts. <i>Biomed Res Int.</i> ;2015:738147.
13	El-Desoky GE, Aboul-Soud MA, Al-Othman ZA, Habila M, Giesy JP. Seasonal concentrations of lead in outdoor and indoor dust and blood of children in Riyadh, Saudi Arabia. <i>Environ Geochem Health.</i> 2014 Jun;36(3):583-93.
14	Alharbi KK, Khan IA, Bazzi MD, Al-Daghri NM, Hasan TN, Alnbaheen MS, Alharbi FK, Al-Sheikh YA, Syed R, Aboul-Soud MA. A54T

	polymorphism in the fatty acid binding protein 2 studies in a Saudi population with type 2 <i>diabetes mellitus</i> . <i>Lipids Health Dis.</i> 2014 Apr .1;13:61.
15	Al-Othman, A.M., Al-Othman, Z.A., El-Desoky, G.E., Yusuf, K. and Aboul-Soud, M.A.M. (2012). Ameliorative effect of $\alpha$ -tocopherol and selenium on effects of malathion on plasmatic biochemical indices and lesions in the liver of rats. <i>Curr. Pharm. Anal.</i> 8: 214-218.
16	Aboul-Enein, A.M.; Aboul-Soud, M.A.M.; Said, H.K.; Ali, H.F.M.; Ali, Z.Y.; Mahdi, A.M. and Giesy, J.P. (2012). Hepatprotective effects of antioxidants against the non-target toxicity of the bio-insecticide spinosad in rats. <i>Afr. J. Pharm. Pharmacol.</i> 8: 550-559 (ISI IF = 0.839; JCR 2012)
17	Al-Othman, A.M.; Al-Othman, Z.A., El-Desoky, G.E., Aboul-Soud, M.A.M.; Habila, M.A. and Giesy, G.P. (2012). Daily intake of selenium and concentrations in blood of residents of Riyadh, Saudi Arabia. <i>Environ. Geochem. Hlth</i> 34: 417–431
18	Al-Othman, A.M.; Al-Othman, Z.A.; El-Desoky, G.E.; Aboul-Soud, M.A.M.; Habila, M.A. and Giesy, G.P. (2012). Lead in drinking water and human blood in Riyadh City, Saudi Arabia. <i>Arab. J. Geosci</i>
19	Saqib, Q; Attia, S.M.; Siddiqui, M.A.; Aboul-Soud, M.A.M.; Al-Khedhairi, A.A.; Giesy, J.P. and Musarrat, J. (2012). Phorate-induced oxidative stress, DNA damage and transcriptional activation of p53 Q22 and caspase genes in male Wistar rats. <i>Toxicol. Appl. Pharm.</i> 259: 54–65
20	Aboul-Soud, M.A.M.; Foda, M.S.; Kahil, T.; Asar, A.R.; El-Desoky, G.E. and Giesy, J.P. (2011). Purification and biochemical characterization of alkaline protease from an Egyptian biopesticide-producing <i>Bacillus sphaericus</i> strain. <i>Afr. J. Microbiol. Res.</i> 5:-5076-.5084
21	Al-Othman, A.M.; Al-Numair, K.S.; El-Desoky, G.E.; Al-Othman, Z.A.; Aboul-Soud M.A.M., Yusuf, K.; Giesy, J.P. and (2011). Protection of $\alpha$ -tocopherol and selenium against acute effects of malathion on liver and kidney of rats. <i>African J. Pharm. Pharmacol.</i> 10: 1263-1271.
22	Al-Roba, A.A.; Aboul-Soud, M.A.M.; Ahmed, A.M. and Al-Khedhairi, A.A. (2011). The gene expression of caspases is up-regulated during the

	signaling response of <i>Aedes caspius</i> against larvicidal bacteria. Afr. J. Biotech. 10: 225-233.
23	Ahmed, A.M.; Shaalan, E.A.; Aboul-Soud, M.A.M. and Al-Khedhairi, A.A. (2011). Monitoring of mosquito vectors in Al-Ahsaa district, eastern region, Kingdom of Saudi Arabia. J. Insect Sci. 11:176.
24	Abdel-Megeed, A.; Aboul-Soud, M.A.M.; Mueller, R.; Rudolf, F.A. and Al-Deyab, S.S. (2010). Purification and biochemical characterization of recombinant alcohol dehydrogenase from the psychrophilic bacterium <i>Pseudomonas frederiksbergensis</i> . J. Polym. Environ. 18: 617–625.
25	Ahmed, A.M., Al-Olayan, E.M., Aboul-Soud, M.A.M. and Al-Khedhairi, A.A. The immune enhancer, Thymoquinone, and the hope of utilizing the immune System of <i>Aedes caspius</i> against disease agents (2010). Afr. J. Biotech. 9: 3183-3195.
26	El-Shemy, H.A.; Aboul-Soud, M.A.M.; Nassr-Allah, A.A.; Aboul-Enein, K.M., Kabash, A. and Yagi, A. (2010). Antitumor Properties and Modulation of Antioxidant Enzymes' Activity by <i>Aloe vera</i> Leaf Active Principles Isolated by Supercritical Carbon Dioxide Extraction. Curr. Med. Chem., 17: 129-138
27	Afify, A.M.R.; Aboul-Soud, M.A.M.; Foda, M. S.; Sadik, M.W.A.; Kahil, T.; Asar, A. R. and Al-Khedhairi, A.A. (2009). Production of alkaline protease and mosquitocidal biopesticides by a strain of <i>Bacillus sphaericus</i> isolated from Egyptian soil. Afr. J. Biotechl. 8: 3864-3873.
28	Aboul-Soud, M.A.M.; Yun, B.-W.; Harrier, L. A. and Loake, G. J. (2004). Transformation of <i>Fusarium oxysporum</i> by particle bombardment and characterization of the resulting transformants expressing a GFP transgene. Mycopathologia, 158: 475-482.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	El-Desoky, G.E.; Aboul-Soud, M.AM. and Al-Numair, K.S. (2012). Antidiabetic and hypolipidemic effects of Ceylon cinnamon ( <i>Cinnamomum verum</i> ) in alloxan-diabetic rats. J. Med. Plant Res. 6: 1685-1691.
2	Zahran, M. and Aboul-Soud, M.A.M. (2008). Isolation and Sequencing of Insulin-Like Growth Factor 1(IGF-1) from Egyptian Buffalo <i>via</i> RT-PCR. Arab J. Biotechnol. 11(1): 19-28

Name	Najla Abdulaziz Al-Sweel
Department	Clinical Laboratory Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Biochemistry and Molecular Biology
Research scope	Genomic Integrity

## ISI Published Researches

.Num	Research title
1	Murthy, S., Dupart, E., Al-Sweel, N., Chen, A., Cawley, N. and Peng Loh, Y. 2013. Carboxypeptidase E promotes Cancer Cell Survival, but inhibits Migration and Invasion. <i>Cancer letters</i> 341(2):204-13.
2	Bui, D. Friedrich, A. Al-Sweel, N. Liti, G. Schacherer, J. Aquadro, C. Alani, E. 2017. Mismatch Repair Incompatibilities in Diverse Yeast Populations. <i>Genetics</i> 205(4):1459-1471.
3	Al-Sweel, N. Raghavan, V. Dutta, A. Ajith, VP. Di Vietro, L. Khondakar, N. Manhart, C. Surtees, J. Nishant, KT. Alani, E. 2017. <i>mlh3</i> mutations in baker's yeast alter meiotic recombination outcomes by increasing noncrossover events genome-wide. <i>PLOS Genetics</i> 13(8): e1006974.

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	How does Mlh1-Mlh3 participate in genomic integrity	Symposium on Replication, Recombination and Repair,	USA	2013

	Poster presentation	Cornell University		
<b>2</b>	Investigating the role of Mlh1-Mlh3 in mismatch repair and meiotic -crossover mechanisms  Oral presentation	Annual th18 Buffalo DNA Replication and Repair Symposium	USA	<b>2014</b>
<b>3</b>	Investigating the role of Mlh1-Mlh3 in mismatch repair and meiotic -crossover mechanisms  Poster presentation	EMBO Conference on Meiosis	England	<b>2015</b>
<b>4</b>	The mismatch repair meiotic and recombination endonuclease Mlh1-Mlh3 by protein- is directed -protein interactions  Oral presentation	Annual th20 Buffalo DNA Replication and Repair Symposium	USA	<b>2016</b>

Name	Dr. Sabiha Fatima
Department	Clinical Laboratory Science
Academic Rank	Assistant Professor
Nationality	Indian
Specialty	Biochemistry
Research scope	Mechanism of oxidative stress during stem cell differentiation  Mechanism involved in chemical and drug induced oxidative stress

## ISI Published Researches

.Num	Research title
1	Bilal N, Suhail N, Hasan S, Ashraf GM, Fatima S, Khan HY, Alharbi MS, Alexiou A, Banu N. Exacerbation of N-nitrosodiethylamine Induced Hepatotoxicity and DNA Damage in Mice Exposed to Chronic Unpredictable Stress. Front Pharmacol., 2017 Jun 15;8:360.
2	Noura Al Jameil, Hajera Tabassum, Sabiha Fatima, Mir Naiman Ali, Humaira Rizwana and Farah Aziz Khan. Ameliorating Effect of Vitamin C Against Potassium Dichromate Induced Oxidative Stress and Inflammatory Response in Rats. Int. J. Pharmacol., 2016;13 (8): 990-999, 2017
3	Fatima S ,Al-Mohaimeed N ,Al-Shaikh Y ,Tyagi P ,Banu N ,Hasan S ,Arjumand S .Combined treatment of epigallocatechin gallate and Coenzyme Q10 attenuates cisplatininduced nephrotoxicity via suppression of oxidative/nitrosative stress ,inflammation and cellular damage .Food Chemical Toxicology. 2016 Aug;94:213-20 .
4	Khan FA, Al Jameil N, Arjumand S, Khan MF, Tabassum H, Alenzi N, Hijazy S, Alenzi S, Subaie S, Fatima S. Comparative Study of Serum Copper, Iron, Magnesium, and Zinc in Type 2 Diabetes-Associated Proteinuria. Biol Trace Elem Res. 2015 Dec;168(2):321-9.
5	Sabiha Fatima, Noura Al-Mohaimeed, Sadia Arjumand, Naheed Banu, Noura Al-Jameil Yazeed Al-Shaikh. Effect of pre and post combined multidoses of epigallocatechin gallate and coenzyme Q10 on cisplatin induced oxidative stress in

	rat kidney. Journal of Biochemical and Molecular Toxicology 2015 Feb;29(2):91-7
6	Sabiha ,Tabassum Hajera ,Arjumand Sadia ,Masaud-Manal Khalid Al Variants in Haemoglobin Comparative Studies of .Jameil-Al Noura and Fatima Normal, Sick cell trait, Sick cell disease and $\beta$ -Thalassemia trait Patients using Cellulose Acetate Electrophoresis and Cation Exchange-High Performance Liquid 1170-1163:June 2014, Vol. 91 ,J. Indian Chem. Soc .Chromatography
7	Shirin Hasan, Naureen Fatima, Nayeem Bilal, Nida Suhail, Sabiha Fatima, Mohammad A .Alzohairy ,Naheed Banu .Effect of chronic unpredictable stress on short term dietary restriction and its modulation by multivitamin-mineral supplementation .APPETITE ,2013 , Jun;65:68-74
8	Shirin Hasan, Nayeem Bilal, Sabiha Fatima, Nida Suhail, Khalid Anwar, Sadhana Sharma, and Naheed Banu. Multivitamin-mineral supplement is more efficacious than vitamins C+E on the prevention of chronic unpredictable stress-induced oxidative damage in mice. Cell Membranes and Free Radical Research, 2011;3:125-132
9	NA Arivarasu, Fatima S, Mahmood R. Oral administration of potassium dichromate inhibits brush border membrane enzymes and alters anti-oxidant status of rat intestine. Archives of Toxicology, 2008 Dec; 82:951-8.
10	Fatima S, Mahmood R. Vitamin C attenuates potassium dichromate-induced nephrotoxicity and alterations in renal brush border membrane enzymes and phosphate transport in rats. Clinica Chimica Acta, 2007 Nov-Dec; 386:94-9.
11	NA Arivarasu, Fatima S, Mahmood R. Effect of cisplatin on brush border membrane enzymes and antioxidant system of rat intestine. Life Sciences, 2007 Jul; 81:393-8
12	Fatima S, NA Arivarasu, Mahmood R. Vitamin C attenuates cisplatin-induced alterations in renal brush border membrane enzymes and phosphate transport. Human and Experimental Toxicology, 2007 May; 26:419-26.
13	Fatima S, Arivarasu NA, Banday AA, Yusufi ANK, Mahmood R. Effect of potassium dichromate on renal brush border membrane enzymes and phosphate transport in rats. Human and Experimental Toxicology, 2005 Dec; 24:1-8.
14	Fatima S, Yusufi ANK and Mahmood R. Effect of cisplatin on renal brush border membrane enzymes and phosphate transport. Human and Experimental

Toxicology, 2004; Dec; 23:547-54.

## Published Researches In Scientific Journals (Non- ISI)

.Num	Research title
1	Manal Khalid Al-Masaud ,Sadia Arjumand ,Hajera Tabassum,Sabiha Fatima and Noura Al-Jameil .Comparative Studies of Haemoglobin Variants in Normal, Sickle cell trait, Sickle cell disease and $\beta$ -Thalassemia trait Patients using Cellulose Acetate Electrophoresis and Cation Exchange-High Performance Liquid Chromatography <i>J. Indian Chem. Soc</i> ,.June 2014, Vol. 91 1170-1163:
2	Shirin Hasan ,Nayeem Bilal ,Sabiha Fatima ,Nida Suhail,Khalid Anwar ,Sadhana Sharma ,and Naheed Banu .Multivitamin-mineral supplement is more efficacious than vitamins C+E on the prevention of chronic unpredictable stress-induced oxidative damage in mice . <i>Cell Membranes and Free Radical Research</i> 132-3:125;2011 ,

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Protective effect of coenzyme Q10 (CoQ10) and Epigallocatechin Gallate (EGCG) against cisplatin-induced acute renal failure in rats: A comparative study.	nd International 2 Conference on Bioscience, Biochemistry and Pharmaceutical Sciences (ICBBPS'2013)	Dubai	2013

## Chapter Published

Num.	(Chapter) Book title
1	Sabiha Fatima. (2018). Role of Reactive Oxygen Species in Male Reproduction. In: Novel Prospects Based on Oxidative / Nitrosative Stress in Health and Disease. INTECH publisher (Accepted for publication)
2	Fatima S., Rüter J., Niess J.H., Klapp B.F., Arck P.C., Hildebrandt M. (2004). CD26-/DPP IV-Positive Lymphocytes in Murine Acute Experimental Colitis. In: Back N., Cohen I.R., Kritchevsky D., Lajtha A., Paoletti R. (eds) Dipeptidyl Aminopeptidases in Health and Disease. Advances in Experimental Medicine and Biology, vol 524. Springer, Boston, MA.

Name	Sadia Arjumand
Department	Clinical Laboratory Sciences
Last certificate	Assistant Professor
Nationality	Indian
Specialty	Biochemistry
Research scope	DNA and protein modification and characterization, Immunological studies

## ISI Published Researches

Num.	Research title
1	Al-Jameil, N., Khan, F. A., Arjum, S., Khan, M. F., & Tabassum, H. (2014). Dyslipidemia and its correlation with type 2 diabetic patients at different stages of proteinuria. Biomedical Research, 25(3).
2	Al-Masaud, M. K., Arjumand, S., Tabassum, H., Fatima, S., & Al-Jameil, N. (2014). Comparative studies of haemoglobin variants in normal, sickle cell trait, sickle cell disease and beta-thalassemia trait patients using cellulose acetate electrophoresis and cation exchange-high performance liquid chromatography. JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 91(6), 1163-1170.
3	Al-Jameil, N., Khan, F. A., Arjumand, S., Khan, M. F., & Tabassum, H. (2014). Associated liver enzymes with hyperlipidemic profile in type 2 diabetes patients. International journal of clinical and experimental pathology, 7(7), 4345.
4	Fatima, S., Al-Mohaimed, N., Arjumand, S., Banu, N., Al-Jameil, N., & Al-Shaikh, Y. (2015). Effect of Pre-and Post-Combined Multidoses of Epigallocatechin Gallate and Coenzyme Q10 on Cisplatin-Induced Oxidative Stress in Rat Kidney. Journal of biochemical and molecular toxicology, 29(2), 91-97.
5	Khan, F. A., Al Jameil, N., Arjumand, S., Khan, M. F., Tabassum, H., Alenzi, N., ... & Fatima, S. (2015). Comparative study of serum copper, iron, magnesium, and zinc in type 2 diabetes-associated proteinuria. Biological trace element research, 168(2), 321-329.
6	Arjum, S., Tabassum, H., Ali, M. N., & Al-Jameil, N. (2016). Seasonal variation in status of Vitamin-D, serum bone profile and thyroid function in

	adult population of Saudi Arabia. Biomedical Research, 27(4).
7	Fatima, S., Al-Mohaimeed, N., Al-Shaikh, Y., Tyagi, P., Banu, N., Hasan, S., & Arjumand, S. (2016). Combined treatment of epigallocatechin gallate and Coenzyme Q10 attenuates cisplatin-induced nephrotoxicity via suppression of oxidative/nitrosative stress, inflammation and cellular damage. Food and Chemical Toxicology, 94, 213-220.

Name	Sarah Alsobaie
Department	Clinical Laboratory Science
Academic Rank	Assistant Professor
Nationality	Saudi Arabian
Specialty	Biochemistry
Research scope	Stem Cells

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Sarah Alsobaie ,Tamador Alsobaie ,Athanasios Mantalaris, Tony Cass (2016) 3D Culture-Enhanced Embryonic Stem Cells Expansion and Pluripotency via Dynamic Microenvironment. Proceedings of the Eighth Saudi Students Conference in the UK: pp. 491-510 .

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Pluripotency Cells Stem Promote Culture D3	Society International Cells Stem of	Canada	2014
2	Pathway Metabolic Cells Stem Switch Culture D3	World Stem Cells Summit Atlanta	USA	2015

Name	Roua Alsubki
Department	Clinical Laboratory sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Molecular Immunology
Research scope	T cell Immunotherapy

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Editing T cell specificity	British society of cell and gene therapy	UK	2015

Name	Taghreed Abdulaziz Hafiz
Department	Clinical Laboratory sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Tropical Medicine (Medical Microbiology)
Research scope	Bacteriology and Parasitology and centered on the molecular biology, Cell biology, metabolism, biochemistry, '-omics'-related science, pharmacometabolomics, Antimicrobial drugs, infectious diseases, antioxidant, nanoparticles in drug delivery

## ISI Published Researches

Num.	Research title
1	Kirby A, Al-Eryani A, Al-Sonboli N ,Hafiz T ,Beyer M, Al-Aghbari N ,AlMoheri N, Dove W ,Cunliffe NA, Cuevas LE. Rotavirus and norovirus infections in children in Sana'a, Yemen. Trop Med Int Health. 2011 Jun .4-680:(6)16

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Mycobacterium tuberculosis oxidase: a terminal bd cytochrome ?solution A. Hafiz <sup>1</sup> , Ashley J. Taghreed Warman <sup>1</sup> , Nicholas E. Fisher <sup>1</sup> , Gemma L. Nixon <sup>1</sup> , Neil G. Berry <sup>2</sup> , Paul M. O'Neill <sup>2</sup> , Stephen A. Ward <sup>1</sup> Biagini .1 , and Giancarlo A	Tuberculosis 2012 Conference	Institut the Pasteur, Paris, France	2012

Name	Iman Alajeyan
Department	Clinical Laboratory Sciences
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Molecular Biology& Cancer cell
Research scope	Molecular biology

## ISI Published Researches

Num.	Research title
1	International Journal .GFP FRET Probe .(2015) .I, Bagshaw C Ajeyan Al .of Healthcare Sciences, 2: 85-93

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Al Ajeyan I, Bagshaw C .(2015) .GFP FRET Probe .International Journal of Healthcare Sciences .93-85 :2

Name	Basmah Mohammed Almaarik
Department	Clinical laboratory Sciences
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Microbiology/Immunology
Research scope	Immunology /Microbiology

## ISI published Researches

Num.	Research title
1	Comparative humoral and cellular immune responses of patients diagnosed with TB to different mycobacterium antigens Author(s): Al-Zamel , F ;Almaarik ,B ;Alrajhi ,A, et al .Source: IMMUNOLOGY Volume: 116 Pages: 76-76 Supplement: 1 Published: DEC 2005
2	•Genotyping diagnosis of alpha-1 antitrypsin deficiency in Saudi adults with liver cirrhosis. Al-Jameil N1, Hassan AA ,Buhairan A ,Hassanato R ,Isac SR, Al-Otaiby M, Al-Maarik B, Al-Ajeyan I. Medicine (Baltimore). 2017 Feb;96(6):e6071 .
3	•The prevalence of PI*S and PI*Z SERPINA1 alleles in healthy individuals and COPD patients in Saudi Arabia: A case-control study. Al-Jameil N1, Hassan AA ,Hassanato R ,Isac SR ,Otaiby MA, Al-Shareef F, Al-Maarik B ,Ajeyan IA, Al-Bahloul K, Ghani S, Al-Torbak D. Medicine (Baltimore). 2017 Oct;96(42):e8320
4	•The Efficiency of Alpha1-antitrypsin Deficiency Detection by Isoelectric Focusing Phenotypes in Relation to Serum Protein Concentrations in COPD Patients Noura Al-Jameil1 , Sree R. Isac1 , Rana Hassanato2 , Basma Al-Maarek1 , Eman Al-Ajian1 , Amina A. Hassan. Int. J .Electrochem .Sci., 11 (2016) 4245 – 4252 ,doi 2016.06.81/10.20964 :

Name	Sahar Alhogail
Department	Clinical laboratory science
Academic Rank	lecturer
Nationality	Saudi
Specialty	Microbiology
Research scope	Microbiology

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	M. (2017). based magnetic ,Zourob & ,S ,Alhogail ,G. A ,Suaifan nanoparticle-peptide probe for rapid and quantitative colorimetric detection -702 ,92 , <i>Biosensors and Bioelectronics</i> .of Escherichia coli O157: H7 .708
2	M. (2017). Rapid and low-cost ,Zourob & ,S ,Alhogail ,G. A ,Suaifan <i>Biosensors and</i> .biosensor for the detection of Staphylococcus aureus .237-230 ,90 , <i>Bioelectronics</i>

Name	Ohoud Saud Alhumaidan
Department	Department of Clinical Laboratory Sciences
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Microbiology
Research scope	Bacteriology and Genetics

## ISI Published Researches

.Num	Research title
1	Al-Humaidan OS, El-Kersh TA, Al-Akeel RA (2015) Risk factors of nasal carriage of Staphylococcus aureus and methicillin-resistant Staphylococcus aureus among health care staff in a teaching hospital in central Saudi Arabia. Saudi Med J 36: 1084–1090. pmid:26318466

Name	Areej Ibrahim Alshayea
Department	Clinical Laboratory Sciences
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Microbiology
Research scope	Virology

## ISI Published Researches

Num.	Research title
1	Alshayea, A. I., Eid, G. E., El-Hazmi, M. M., & Alhethel, A. F. (2016). Prevalence and characterization of occult hepatitis B infection among blood donors in central Saudi Arabia. <i>Saudi medical journal</i> , 37(10), 1114.

Name	Afnan Banibakhsh
Department	Sciences Laboratory Clinical
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Laboratory
Research scope	Biochemistry

## Master Graduation Project

<b>Title</b>	Study of Trypanosoma cruzi Trans-Sialidase, expression, purification and the crystal structure in complex with DANA and pK4
<b>Abstract</b>	Chagas' disease is derived from parasitic infection and occurs in humans and other mammals. The disease emerges when the parasite <i>T. cruzi</i> enters the bloodstream via insect bites and faeces. In fact, this causative agent undergoes a complex development cycle through a mature and replicating form, which primarily affects cardiac and digestive functioning in the host. The biochemical step that enables <i>T. cruzi</i> to persist in and infect a host is the transferring of sialic acids to the parasitic membrane surface from host glycoconjugate species, in the presence of the trans-sialidase (TS) enzyme. These sialic acid species are vital for a number of host-parasite interactions and for protection against the immune response. Currently, Benznidazole and nifurtimox are the only two anti-trypanosomal drug treatments used to combat Chagas' disease in acute and chronic phases respectively. Both drugs have a number of unpleasant side effects, some of which pose additional health risks to patients. Accordingly, current drug research endeavour is focusing on specific mechanistic approaches including TS inhibition in order to provide new drug treatments against the disease, with fewer and less toxic side effects. Following this, the objective of this project is to extend this stream of research by examining the role of key biochemical species in the development of the Chagas' disease. Hence, I will focus on the role of sialic acid and the trans-sialidase or TS enzyme throughout the <i>T. cruzi</i> 's life

	<p>cycle and current/potential future drug treatments to combat Chagas' disease. Furthermore, another objective of the project is to compare the crystal structure of the trans-sialidase (TcTS) enzyme in its native form with the form obtained when TcTS crystals were soaked with inhibitors (DANA and PK4), in order to determine how these molecules bind to the enzyme and inhibit the activity. The crystal structures were solved by using X-ray crystallography and the inhibitors were 4 designed by a PhD student at Bath University. The DANA ligand bound at the same position within the active site but still it is a poor inhibitor. In contrast, the PK4 inhibitor did not bind to the enzyme active site as expected but it inhibit the enzyme activity. Essentially, further inhibitor design and experiments with trans-sialidase (TS) enzyme are needed to manage Chagas' disease.</p>
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Name	Danah Abdulaziz Alturbak
Department	Clinical Laboratory Department
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Diagnostic Microbiology/Parasitology
Research scope	Molecular Parasitology

## ISI Published Researches

Num.	Research title
1	Al-Jameil ,N., Hassan, A.A ,Hassanato ,R ,Isac ,S.R., Al Otaiby ,M., Al-Shareef, F., Al-Maarik ,B., Al Ajeyan ,I., Al-Bahloul ,K., Ghani, S. and Al-Torbak ,D., 2017. The prevalence of PI* S and PI* Z SERPINA1 alleles in healthy individuals and COPD patients in Saudi Arabia: A case-control <i>Medicine</i> 7.(42)96,

Name	Reem Bin Saedan
Department	Clinical Laboratory Sciences
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Microbiology
Research scope	Bacteriology

## Published Researches In Scientific Journals

Num.	Research title	Journal	Vol.-No.-Pages	Year of publication	Citation
1	Molecular characterization resistant -methicillin of nosocomial in aureus <i>Staphylococcus</i> infections in a tertiary-care facility: complexes in clonal emergence of new Saudi Arabia	newmicrobesnewinfections	Volume 14 Number C	2016 Novmber	Published by Elsevier Ltd on behalf of European Society of Clinical Microbiology and Infectious Diseases .

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
	Genotypic classification <i>aureus Staphylococcus</i> resistant methicillin of in a tertiary care hospital in Riyadh, Saudi Arabia	1st Gulf Clinical Microbiology and Infectious Disease	United Arab Emarites, Dubai	May 7-4 2016

Name	Sara Al Deghaither
Department	Clinical Laboratory Sciences
Academic Rank	Teaching assistant
Specialty	Haematology
Research scope	Haematopoietic stem cell research and bleeding disorders

## ISI Published Researches

Num.	Research title
1	Al-Deghaither, S. Y. (2015). Impact of maternal and neonatal factors on parameters of hematopoietic potential in umbilical cord blood. <i>Saudi Medical Journal</i> , 36(6), 704.

Name	Sahar AlSubai
Department	Laboratory Sciences Clinical
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Biochemistry
Research scope	Clinical Chemistry

## ISI Published Researches

Num.	Research title
1	(Khan et al., 2015)  KHAN, F. A., AL JAMEIL, N., ARJUMAND, S., KHAN, M. F., & .TABASSUM, H., ALENZI, N., HIJAZY, S., ALENZI, S., SUBAIE, S FATIMA, S. 2015. Comparative Study of Serum Copper, Iron, <i>Biol .Magnesium, and Zinc in Type 2 Diabetes-Associated Proteinuria</i> 9-321 ,168 , <i>Res Trace Elem</i>

Name	Ohoud Mohammed Alidriss
Department	Laboratory Sciences Clinical
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Electron microscopy - Cytopathology
Research scope	Bionanotechnology/ Tissue engineering

## Master Graduation project

<b>Title</b>	Investigating bone mineral formed by different cell types in bone tissue engineering
<b>Abstract</b>	<p>Combining the suitable cells with three-dimensional (3D) biomaterial scaffolds provides a solution for replacing diseased and damaged tissue. The key requirement for bone tissue engineering scaffolds to be successful is their ability to mimic the physiological function, chemical and mechanical properties of the natural extra-cellular matrix (ECM), which is characterised by collagen nanofibers embedded with nano-hydroxyapatite crystals. This study investigates the proper media condition and the best electrospun scaffold materials for supporting osteogenic differentiation and matrix production.</p> <p>To achieve these objectives, both low and high cells density were cultured in the present and absent of <math>\beta</math>-glycerophosphate (BGP), ascorbic acid 2-phosphate (AA). Cells viability was tested by alamarBlue assay and ECM production of different cell lines was measured by using Alizarin red) Ar (and Picrosirius red) Sr (stains. For electrospinning ,random and aligned nanofibrous scaffolds were electrospun from polycaprolactone (PCL) by incorporating different concentrations of hydroxyapatite (HA) nanoparticles. The morphology of the nanofibers was evaluated using scanning electron microscopy and <i>in vitro</i> biocompatibility of the scaffolds was assessed by culturing human embryonic stem cell-derived mesenchymal progenitor cells) hES-MP cells). Cells proliferation, alkaline phosphatase activity (ALP), minerals deposition and collagen production were investigated on different types of</p>

scaffolds. Results revealed that in order to enhance ECM minerals and collagen production both BGP and AA are required in the culture media. However, the presence of low concentration of nHA particles in random PCL scaffolds could be a potential substrate for osteoblasts proliferation and mineralisation in enhancing bone tissue regeneration .

Name	Meyad A. AlKarni
Department	Laboratory Sciences Clinical
Academic Rank	Teaching assistant
Nationality	Saudi
Specialty	Medical Microbiology
Research scope	Medical Microbiology

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Circulating Antibodies against Glycated Serum Albumin in Diabetic Patients  (POSTER)	The American Diabetes Association's 75th Scientific Sessions  JUNE 2015   Volume 64   Suppl. 1A   LB -211 <a href="http://www.diabetes.org/diabetes">www.diabetes.org/diabetes</a> IMMUNOLOGY POSTERS	Boston  Massachusetts USA	9-6  JUNE  2015



القسم البصريّات وعلوم الرؤية  
Dept. of Optometry and Vision Sciences

## A Brief Overview

The Department of Optometry and Vision Sciences at *King Saud University* was the first program in the Middle-East area in providing undergraduate program in Optometry and Vision Sciences. The bachelor degree was later upgraded to “Doctor of Optometry” program which qualifies the graduate to the discovery of various ocular diseases and provides primary care for patients with these diseases. In addition to low vision rehabilitation, vision therapy, spectacle lenses, contact lenses.

## Research Scope

The Department of Optometry and Vision Sciences focuses on improving the diagnosis, and treatment of vision disorders and rehabilitation of patients through innovative research in four different research themes: ocular pathology, rehabilitation and low vision, contact lens and anterior eye, and clinical investigation research.



<b>Name</b>	Gamal A. El-Hiti
<b>Department</b>	Optometry
<b>Academic Rank</b>	Professor
<b>Nationality</b>	British
<b>Specialty</b>	Bioorganic and Organic Chemistry
<b>Research scope</b>	Covers a wide range of topics including organic chemistry, green chemistry, medicinal chemistry, biochemistry, materials, polymers, engineering, crystallography, biotechnology, nanotechnology, microbiology, and optometry

## ISI Published Research

No	Research title
1	Morris, C. A., Owen, J. R., Thomas, M. C., <b>El-Hiti, G. A.</b> , Harwood, J. L., & Kille, P. (2014). Intracellular localization and induction of a dynamic RNA-editing event in response to copper of macro-algal V-ATPase subunit A (VHA-A). <i>Plant Cell Environ.</i> , 37(1), 189–203. <a href="http://dx.doi.org/10.1111/pce.12145">http://dx.doi.org/10.1111/pce.12145</a>
2	Masmali, A., Alrabiah, S., Alharbi, A., <b>El-Hiti, G. A.</b> , & Almubrad, T. (2014). Investigation of tear film using the TearLab <sup>TM</sup> osmolarity system in normal adults in Saudi Arabia. <i>Eye Contact Lens</i> , 40(2), 74–78. <a href="http://dx.doi.org/10.1097/ICL.0000000000000002">http://dx.doi.org/10.1097/ICL.0000000000000002</a>
3	Masmali, A., Alqahtani, T. A., Alharbi, A., <b>El-Hiti, G. A.</b> (2014). Comparative study of repeatability of phenol red thread test versus Schirmer's test in normal adults in Saudi Arabia. <i>Eye Contact Lens</i> , 40(3), 127–131.

	<a href="http://dx.doi.org/10.1097/ICL.0000000000000025">http://dx.doi.org/10.1097/ICL.0000000000000025</a>
4	Smith, K., <b>El-Hiti, G. A.</b> , Alshammari, M. B. (2014). Directed lithiation of <i>N'</i> -(2-(4-methoxyphenyl)ethyl)- <i>N,N</i> -dimethylurea and <i>tert</i> -butyl 2-(4-methoxyphenyl)ethylcarbamate. <i>Synthesis</i> , 46(3), 394–402. <a href="http://dx.doi.org/10.1055/s-0033-1338570">http://dx.doi.org/10.1055/s-0033-1338570</a>
5	Smith, K., Alotaibi, M. H., & <b>El-Hiti, G. A.</b> (2014). Regioselective dinitration of simple aromatics over zeolite H $\beta$ /nitric acid/acid anhydride systems. <i>Arkivoc</i> , 2014, 2014(iv), 107–123. <a href="http://dx.doi.org/10.3998/ark.5550190.p008.527">http://dx.doi.org/10.3998/ark.5550190.p008.527</a>
6	Sert, Y., Balakit, A. A., Öztürk, N., Uzun, F., & <b>El-Hiti, G. A.</b> (2014). Experimental (FT-IR, NMR and UV) and theoretical (M06-2X and DFT) investigation, and frequency estimation analyses on ( <i>E</i> )-3-(4-bromo-5-methylthiophen-2-yl)acrylonitrile. <i>Spectrochim. Acta A</i> , 131, 502–511. <a href="http://dx.doi.org/10.1016/j.saa.2014.04.105">http://dx.doi.org/10.1016/j.saa.2014.04.105</a>
7	Smith, K., Alotaibi, M. H., & <b>El-Hiti, G. A.</b> (2014). Regioselective nitration of 2- and 4-nitrotoluenes over systems comprising nitric acid, an acid anhydride and a zeolite. <i>Arkivoc</i> , 2014(v), 301–309. <a href="http://dx.doi.org/10.3998/ark.5550190.p008.788">http://dx.doi.org/10.3998/ark.5550190.p008.788</a>
8	Smith, K., <b>El-Hiti, G. A.</b> , Al-Mansury, S. A., Alshammari, M. B. & Balakit, A. A. (2014). Lateral lithiation and substitution of <i>N'</i> -(2-methylphenyl)- <i>N,N</i> -dimethylurea. <i>Arkivoc</i> , 2014(v), 365–375. <a href="http://dx.doi.org/10.3998/ark.5550190.0015.500">http://dx.doi.org/10.3998/ark.5550190.0015.500</a>
9	Masmali, A. M., Al-Qhtani, S., Al-Gasham, T. M., <b>El-Hiti, G. A.</b> , Purslow, C., & Murphy, P. J. (2015). Application of a new grading scale for tear ferning in non-dry eye and dry eye subjects. <i>Cont. Lens Anterior Eye</i> , 38(1), 39–43. <a href="http://dx.doi.org/10.1016/j.clae.2014.09.007">http://dx.doi.org/10.1016/j.clae.2014.09.007</a>
10	Masmali, A., AL-Bahlal, J. M., <b>El-Hiti, G. A.</b> , Akhtar, S., Purslow, C., Murphy, P. J., & Almubrad, T. (2015). Repeatability and diurnal variation of tear ferning test. <i>Eye Contact Lens</i> , 2015, 41(5), 262–267. <a href="http://dx.doi.org/10.1097/ICL.0000000000000116">http://dx.doi.org/10.1097/ICL.0000000000000116</a>
11	Saad, A. S., <b>El-Hiti, G. A.</b> , & Masmali, A. M. (2015). A computer-based image analysis for tear ferning featuring. <i>J. Innov. Opt. Heal. Sci.</i> , 2015, 8(5), 1550015. <a href="http://dx.doi.org/10.1142/S1793545815500157">http://dx.doi.org/10.1142/S1793545815500157</a>
12	<b>El-Hiti, G. A.</b> , Smith, K., Hegazy, A. S., Alshammari, M. B., & Masmali, A. (2015). Directed lithiation of simple aromatics and heterocycles: synthesis of substituted derivatives. <i>Arkivoc</i> , 2015(iv), 19–47. <a href="http://dx.doi.org/10.3998/ark.5550190.p008.744">http://dx.doi.org/10.3998/ark.5550190.p008.744</a>
13	Smith, K., Al-Zuhairi, A. J., <b>El-Hiti, G. A.</b> , & Alshammari, M. B. (2015). Comparison of cyclic and polymeric disulfides as catalysts for the regioselective chlorination of phenols. <i>J. Sulfur Chem.</i> , 36(1), 74–85.

	<a href="http://dx.doi.org/10.1080/17415993.2014.965170">http://dx.doi.org/10.1080/17415993.2014.965170</a>
14	Balakit, A. A., Ahmed, A., <b>El-Hiti, G. A.</b> , Smith, K., & Yousif, E. (2015). Synthesis of new thiophene derivatives and their use as photostabilizers for rigid poly(vinyl chloride). <i>Int. J. Polym. Sci.</i> , 2015, 2015, 510390. <a href="http://dx.doi.org/10.1155/2015/510390">http://dx.doi.org/10.1155/2015/510390</a>
15	<b>El-Hiti, G. A.</b> , Smith, K., & Hegazy, A. S. (2015). Directed lithiation and substitution of pyridine derivatives. <i>Heterocycles</i> , 91(3), 479–504. <a href="http://dx.doi.org/10.3987/REV-14-816">http://dx.doi.org/10.3987/REV-14-816</a>
16	<b>El-Hiti, G. A.</b> , Smith, K., & Hegazy, A. S. (2015). Catalytic, green and regioselective Friedel-Crafts acylation of simple aromatics and heterocycles over zeolites. <i>Curr. Org. Chem.</i> , 19(7), 585–598. <a href="http://dx.doi.org/10.2174/1385272819666150211002257">http://dx.doi.org/10.2174/1385272819666150211002257</a>
17	Yousif, E., <b>El-Hiti, G. A.</b> , Haddad, R., & Balakit, A. A. (2015). Photochemical stability and photostabilizing efficiency of poly(methyl methacrylate) based on 2-(6-methoxynaphthalen-2-yl)propanoate metal ions complexes. <i>Polymers</i> , 7(6), 1005–1019. <a href="http://dx.doi.org/10.3390/polym7061005">http://dx.doi.org/10.3390/polym7061005</a>
18	Yousif, E., <b>El-Hiti, G. A.</b> , Hussain, Z., & Altaie, A. (2015). Viscoelastic, spectroscopic and microscopic study of the photo irradiation effect on the stability of PVC in presence of sulfamethoxazole Schiff's bases. <i>Polymers</i> , 7(11), 2190–2204. <a href="http://dx.doi.org/10.3390/polym7111508">http://dx.doi.org/10.3390/polym7111508</a>
19	Jones, D. H., Smith, K., Elliot, M. C., & <b>El-Hiti, G. A.</b> (2015). Factors affecting reactions of trialkylcyanoborates with imidoyl chlorides/trifluoroacetic anhydride. <i>Tetrahedron</i> , 71(36), 6285–6289. <a href="http://dx.doi.org/10.1016/j.tet.2015.06.038">http://dx.doi.org/10.1016/j.tet.2015.06.038</a>

## Published Research in Scientific Journals (Non-ISI)

No	Research title
1	<b>El-Hiti G. A.</b> , Smith K., Balakit A. A., Hegazy A. S., & Kariuki B. M. (2014). 2,2-Dimethyl- <i>N</i> -(4-methylpyridin-2-yl)propanamide. <i>Acta Cryst.</i> , <i>E70</i> (3), o351–o352. <a href="http://dx.doi.org/10.1107/S1600536814003729">http://dx.doi.org/10.1107/S1600536814003729</a>
2	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Jones D. H., & Kariuki, B. M. (2014). 2-Ethyl-3-[( <i>R</i> )-2-phenylbutanamido]-3 <i>H</i> -quinazolin-4-one monohydrate. <i>Acta Cryst.</i> , <i>E70</i> (4), o467. <a href="http://dx.doi.org/10.1107/S1600536814005996">http://dx.doi.org/10.1107/S1600536814005996</a>
3	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alotaibi M. H., & Kariuki, B. M. (2014). 3-(2-Bromo-4-chlorophenyl)-1,1-dimethylthiourea. <i>Acta Cryst.</i> , <i>E70</i> (6), o704. <a href="http://dx.doi.org/10.1107/S1600536814011350">http://dx.doi.org/10.1107/S1600536814011350</a>
4	Alshammari M. B., Smith K., Hegazy A. S., Kariuki B. M., & <b>El-Hiti G. A.</b> (2014). 4-Methylsulfanyl-2-phenylquinazoline. <i>Acta Cryst.</i> , <i>E70</i> (8), o871. <a href="http://dx.doi.org/10.1107/S1600536814015657">http://dx.doi.org/10.1107/S1600536814015657</a>
5	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Masmali A., & Kariuki, B. M. (2014). Crystal structure of 2- <i>tert</i> -butyl-1,3-thiazolo[4,5- <i>b</i> ]pyridine. <i>Acta Cryst.</i> , 2014, <i>E70</i> (9), o932. <a href="http://dx.doi.org/10.1107/S160053681401633X">http://dx.doi.org/10.1107/S160053681401633X</a>
6	Alshammari M. B., Smith K., Hegazy A. S., Kariuki B. M., & El-Hiti G. A. (2014). Crystal structure of 2-ethyl-3 <i>H</i> -quinazoline-4-thione. <i>Acta Cryst.</i> , <i>E70</i> (9), o953. <a href="http://dx.doi.org/10.1107/S160053681401664X">http://dx.doi.org/10.1107/S160053681401664X</a>
7	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Baashen M., & Kariuki, B. M. (2014). Crystal structure of 4-(2,2-dimethylpropanamido)pyridin-3-yl <i>N,N</i> -diisopropylthiocarbamate. <i>Acta Cryst.</i> , <i>E70</i> (9), o1069–o1070. <a href="http://dx.doi.org/10.1107/S1600536814019321">http://dx.doi.org/10.1107/S1600536814019321</a>
8	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alshammari M. B., & Kariuki, B. M. (2014). Crystal structure of 4,4-dibutyl-2-phenyl-3,4-dihydroquinazoline. <i>Acta Cryst.</i> , <i>E70</i> (10), o1100. <a href="http://dx.doi.org/10.1107/S1600536814020017">http://dx.doi.org/10.1107/S1600536814020017</a>
9	El-Hiti G. A., Smith K., Hegazy A. S., Ajarim M. D., & Kariuki, B. M. (2014). Crystal structure of 2-[4-(methylsulfanyl)-quinazolin-2-yl]-1-phenylethanol. <i>Acta Cryst.</i> , <i>E70</i> (10), o1101. <a href="http://dx.doi.org/10.1107/S1600536814019990">http://dx.doi.org/10.1107/S1600536814019990</a>
10	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alshammari M. B. & Kariuki, B. M. (2014). Crystal structure of 4-methoxyquinazoline. <i>Acta Cryst.</i> , 2014,

	<i>E70</i> (12), o1279. <a href="http://dx.doi.org/10.1107/S1600536814025082">http://dx.doi.org/10.1107/S1600536814025082</a>
11	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alanazi S. A., & Kariuki, B. M. (2015). Crystal structure of 2,2-dimethyl- <i>N</i> -(pyridin-3-yl)propanamide. <i>Acta Cryst.</i> , <i>E71</i> (4), o246–o247. <a href="http://dx.doi.org/10.1107/S2056989015005289">http://dx.doi.org/10.1107/S2056989015005289</a>
12	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alanazi S. A., & Kariuki, B. M. (2015). Crystal structure of 2-(1-methylethyl)-1,3-thiazolo[4,5- <i>b</i> ]pyridine. <i>Acta Cryst.</i> , <i>E71</i> (5), o272–o273. <a href="http://dx.doi.org/10.1107/S2056989015006039">http://dx.doi.org/10.1107/S2056989015006039</a>
13	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alanazi S. A., & Kariuki, B. M. (2015). Crystal structure of 2,2-dimethyl- <i>N</i> -(5-methylpyridin-2-yl)propanamide. <i>Acta Cryst.</i> , <i>E71</i> (6), o419–o420. <a href="http://dx.doi.org/10.1107/S2056989015009378">http://dx.doi.org/10.1107/S2056989015009378</a>
14	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alanazi S. A., & Kariuki, B. M. (2015). Crystal structure of 2-(2-methylphenyl)-1,3-thiazolo[4,5- <i>b</i> ]pyridine. <i>Acta Cryst.</i> , <i>E71</i> (8), o562–o563. <a href="http://dx.doi.org/10.1107/S2056989015012797">http://dx.doi.org/10.1107/S2056989015012797</a>
15	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Alanazi S. A., & Kariuki, B. M. (2015). Crystal structure of 3-amino-2-propylquinazolin-4(3 <i>H</i> )-one. <i>Acta Cryst.</i> , <i>E71</i> (8), o590–o591. <a href="http://dx.doi.org/10.1107/S2056989015013134">http://dx.doi.org/10.1107/S2056989015013134</a>
16	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Baashen M., & Kariuki, B. M. (2015). Crystal structure of 3-amino-2-ethylquinazolin-4(3 <i>H</i> )-one. <i>Acta Cryst.</i> , <i>E71</i> (9), o650–o651. <a href="http://dx.doi.org/10.1107/S2056989015014450">http://dx.doi.org/10.1107/S2056989015014450</a>
17	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Ajarim M. D., & Kariuki, B. M. (2015). Crystal structure of 2-cyclohexyl-1,3-thiazolo[4,5- <i>b</i> ]pyridine. <i>Acta Cryst.</i> , <i>E71</i> (11), o866. <a href="http://dx.doi.org/10.1107/S2056989015019106">http://dx.doi.org/10.1107/S2056989015019106</a>
18	<b>El-Hiti G. A.</b> , Smith K., Hegazy A. S., Ajarim M. D., & Kariuki, B. M. (2015). Crystal structure of 2-(3-nitrophenyl)-1,3-thiazolo[4,5- <i>b</i> ]pyridine. <i>Acta Cryst.</i> , <i>E71</i> (11), o877. <a href="http://dx.doi.org/10.1107/S2056989015019118">http://dx.doi.org/10.1107/S2056989015019118</a>



Name	Saeed Akhtar
Department	Optometry
Academic Rank	Distinguished Prof
Nationality	British
Specialty	Cornea-Ocular tissue
Research scope	<ul style="list-style-type: none"> <li>• Ultra-structure of normal and pathological cornea</li> <li>• Re-modelling of collagen fibrils and proteoglycans in human and animal cornea affected by diseases</li> </ul>

## ISI Published Researches

Num	Research title
1	Alanazi SA, Almubrad T, Allbrahim AI, Khan AA, Akhtar S (2015). Ultrastructure Organization of Collagen Fibrils and Proteoglycans of Stingray and Shark Corneal Stroma. <i>J Ophthalmol</i> . Epub 2015 Jun 17.
2	Koulikovska M, Mehrdad R, Petrovski G, Veréb Z , Akhtar S, Fagerholm P and Lagali N (2015). Enhanced Regeneration of Corneal Tissue via a Bioengineered Collagen Construct implanted by a Non-disruptive Surgical Technique. <i>Tissue Engineering Part A; Tissue Eng Part A</i> . 2015 Mar;21(5-6):1116-30.
3	Akhtar S, Alkatan H, Kirat O, Khan AA & Almubrad T (2015). Collagen fibrils and proteoglycans of Macular dystrophy cornea - Ultrastructure and 3D imaging. <i>Microscopy and Microanalysis</i> 21(3):666-79.
4	Saeed Akhtar, Sarita Rani Patnaik, Rakesh Kotapati Raghupathy, Turki M Al-Mubrad, John A Craft and Xinhua Shu (2015). Histological characterization of the Dicer1 mutant

	zebrafish retina. <i>J Ophthalmol.</i> 2015:309510. Epub 2015 Jun 1.
5	Masmali AM, Al-Bahlal JM, El-Hiti GA, Akhtar S, Purslow C, Murphy PJ, Almubrad T. (2015). Repeatability and Diurnal Variation of Tear Ferning Test. <i>Eye Contact Lens</i> 41(5):262-7.
6	Raghupathy RK, McCulloch DL, <b>Akhtar S</b> , Al-Mubrad TM, Shu X (2014). Pathogenesis of X-linked RP3: insights from animal models. <i>Adv Exp Med Biol.</i> 801:477-85.
7	<b>Akhtar S</b> , Alkatan H, Kirat O, Almubrad T (2014). Ultrastructural and three-dimensional study of post-LASIK ectasia cornea. <i>Microsc Res Tech.</i> 77(1):91-8.
8	Zoltán Veréb, Réka Albert, Szilárd Pólska, Ole Kristoffer Olstad, <b>Saeed Akhtar</b> , Morten C Moe and Goran Petrovsk (2013). Comparison of upstream regulators in human ex vivo cultured cornea limbal epithelial stem cells and differentiated corneal epithelial cells. <i>BMC Genomics</i> 14:900.
9	<b>Saeed Akhtar</b> , Turki Almubrad, Iacopo Plaladini, Rita Mencucci (2013). Keratoconus corneal architecture after riboflavin/ultraviolet A cross-linking: Ultrastructural studies. <i>Molecular Vision</i> 2013; 19:1526-1537
10	Rakesh Kotapati Raghupathy, Daphne L. McCulloch, <b>Saeed Akhtar</b> , Turki M. Almubrad, and Xinhua Shu (2013). Zebrafish Model for the Genetic Basis of X-Linked Retinitis Pigmentosa. <i>ZEBRAFISH</i> 10: 2013.
11	Viiri J, Amadio M, Marchesi N, Hyttinen JM, Kivinen N, Sironen R, Rilla K, <b>Akhtar S</b> , Provenzani A, D'Agostino VG, Govoni S, Pascale A, Agostini H, Petrovski G, Salminen A, Kaarniranta K (2013). Autophagy activation clears elavl1/hur-mediated accumulation of sqstm1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. <i>PLoS One.</i> 2013; 8(7): e69563.
12	Akhtar S, Kirat O, Alkatan H, Shu X & Almubrad T (2013) Ultrastructural features of corneas with pellucid marginal degeneration. <i>Microsc Res Tech.</i> 76(4):404-11.
13	<b>Akhtar S</b> (2013). Ultrastructure alteration in the corneal stroma of hydrated camel corneoscleral button and corneal-button. <i>Microsc Res Tech.</i> 76(1):86-93.
14	Jeremy A. Guggenheim, George McMahon, John P. Kemp, <b>Saeed Akhtar</b> , Beate St Pourcain, Kate Northstone , Nicholas J. Timpson and Cathy Williams (2013). A genome-wide association study for corneal curvature identifies the <i>PDGFRA</i> gene as quantitative trait locus in Caucasians. <i>Molecular Vision</i> Mol Vis.19:243-53. Epub 2013

	Jan 3.
15	<b>Akhtar S</b> (2012). Effect of processing methods for transmission electron microscopy on corneal collagen fibrils diameter and spacing. <i>Microsc Res Tech.</i> 75(10):1420-4.
16	Almubrad T and <b>Akhtar S</b> (2012). Structure of corneal layers, collagen fibrils, and proteoglycans of tree shrew cornea. <i>Molecular Vision</i> 17:2283-229.
17	Almubrad T and <b>Akhtar S</b> (2011) Ultrastructure features of camel cornea – collagen fibril and proteoglycans. <i>Veterinary Ophthalmology</i> 17:2283-91.
18	<b>Akhtar S</b> , AJ Bron, Hayes AJ, Meek KM, Caterson B (2011). Role of keratan sulphate (sulphated poly - <i>n-acetyllactoseamine</i> repeats) in keratoconus cornea, histochemical and ultrastructural analysis. <i>Graefes Arch Clin Exp Ophthalmol</i> 249:413-20.
19	<b>Akhtar S</b> , Almubrad TM, Bron AJ, Yusif MHM, Benter IF, Akhtar S (2009) Effect of EGFR in corneal remodelling in diabetes. <i>Acta Ophthalmol</i> 87:881-889.
20	<b>Akhtar S</b> , Kerr BC, Hayes AJ, Hughes CE, Meek KM, Caterson B. (2008) Immunochemical localization of keratan sulfate proteoglycans in cornea, sclera, and limbus using a keratanase-generated neopeptide monoclonal antibody. <i>Invest Ophthalmol Vis Sci.</i> 49:2424-2431.
21	<b>Akhtar S</b> , Schonhaller HB, Bron AJ and Dahm R. (2008) The ultrastructural organization of stromal collagen and proteoglycan in the zebrafish cornea during development. <i>Acta Ophthalmol</i> 86:655-665.
22	Akhtar S, Bron AJ , Salvi SM, Hawksworth NR, Tuft SJ and Meek KM. (2008) Collagen fibrils and proteoglycans in keratoconus - a quantitative ultra-structural analysis. <i>Acta Ophthalmol</i> 86:764-772.
23	Guggenheim J, Morgan JE. (2007) Connective tissue structure of the tree shrew optic nerve and associated ageing changes. <i>Invest Ophthalmol Vis Sci.</i> 48:2134-44.
24	Albon J, Farrant S, Akhtar S, Young R, Boulton ME, Smith G, Taylor M, Guggenheim J, Morgan JE. (2007) Connective tissue structure of the tree shrew optic nerve and associated ageing changes. <i>Invest Ophthalmol Vis Sci.</i> 48:2134-44.
25	Salvi SM, <b>Akhtar S</b> , Currie Z (2006) Aging changes in Eye. <i>Post graduate Journal.</i> 2006;82:581-587.

26	<b>Akhtar S</b> , Bron Voon L-W (2006) The Ultrastructure of Hypertrophic Dendriiform Epitheliopathy Post Keratoplasty. <i>Cornea</i> 25:623-627.
27	Akhtar S, Davies JR, Caterson B (2005) Ultrastructural localisation of proteoglycans in normal and scoliotic lumbar disc. <i>Spine</i> 30:1762-9.
28	<b>Akhtar S</b> , Davies JR, Caterson B (2005) Ultrastructural immunolocalization of $\alpha$ -elastin and keratan sulfate proteoglycan in normal and scoliotic lumbar disc. <i>Spine</i> 30:1303-9.
29	<b>Akhtar S</b> , Bron AJ, Qin X, Creer RC, Guggenheim JA, Meek KM. (2005) Gelatinous drop-like corneal dystrophy in a child with developmental delay: clinicopathological features and exclusion of the M1S1 gene. <i>Eye</i> 2005;19:198-204.
30	Davies N, <b>Akhtar S</b> , Wigham CG and Guggenheim JA (2004) Chloride channel gene expression in the rabbit cornea. <i>Molecular Vision</i> 10:1028-37.
31	<b>Akhtar S</b> , Bron AJ, Meek KM, Voon LW (2004). Clinical and ultrastructural findings in mare's tail lines of the corneal epithelium. <i>Br J Ophthalmol.</i> 88(7):864-7.
32	<b>Omidi Y</b> , Campbell L, Barar J, Connell D, Akhtar S, Gumbleton M (2003). Evaluation of the immortalised mouse brain capillary endothelial cell line, b.End3, as an in vitro blood-brain barrier model for drug uptake and transport studies. <i>Brain Res.</i> 14;990(1-2):95-112.
33	<b>S. Akhtar</b> , A. Tullo, B. Caterson, J. R. Davies, K. Bennett, K. M. Meek (2002) Clinical and morphological features including expression of $\beta$ ig-h3 and keratan sulfate proteoglycans in Maroteaux-Lamy syndrome type B and in normal cornea. <i>British J. Ophthalmology</i> 86:147-151.
34	<b>S. Akhtar</b> , A. Tullo, R. E. Bonshek, K. and M. Meek (2001) Ultrastructural morphology and expression of proteoglycans, $\beta$ ig-h3, tenascin, fibrillin-1 and fibronectin in bullous keratopathy. <i>British J. Ophthalmology</i> 85:720-731.
35	L. A. Jones, <b>S. Akhtar</b> and K. T. Wann (2001). Introduction of Alzheimer phenotype in mouse fibroblast. <i>Pro. West. Pharmacol. Soc.</i> 44: 177-180.
36	Coomber SJ, Taracewice E, <b>Akhtar S</b> , deHann A, Elliott GF (2001) Ion-dependence of Z-line and M-line response to calcium in striated muscle fibres in rigor. <i>Cell Calcium</i> 30(5):297-309.
37	<b>S. Akhtar</b> , P. Ursell, B. McDonald, R. E. Bonshek, K. M. Meek, and A.J. Bron (2001) R. E. Bonshek, K. M. Meek Bilateral corneal endothelial failure and band

	keratopathy in an infant with corpus callosum agenesis. <i>Cornea</i> 20(5):547-552.
38	A.E.A. Ridgeway, <b>S. Akhtar</b> , et al (2000) An ultrastructural and molecular evaluation of Bowman's layer corneal dystrophies types I and II. <i>Investigative Ophthalmology and Vision science</i> 41:3286-3292.
39	J. Albon, A.B. Tullo, <b>S. Akhtar</b> , M. Boulton (2000) Apoptosis in the endothelium of human corneas for transplantation. <i>Investigative Ophthalmology and Vision science</i> 41:2887-28897.
40	O. Boubriak, <b>S. Akhtar</b> , J.P.G. Urban, K.M. Meek, A.J. Bron (2000) The effect of hydration and matrix composition on solute diffusion in Rabbit sclera. <i>Experimental Eye Research</i> 71 (5):503-514.
41	<b>S. Akhtar</b> , K.M. Meek, A.E.A. Ridgway, R.E. Bonshek and A.J. Bron (1999) Deposits and proteoglycan changes in primary and recurrent granular dystrophy. <i>Archives of Ophthalmology</i> 117: 310-321.
42	<b>S. Akhtar</b> , K.M. Meek and V. James (1999) Ultrastructure abnormalities in Proteoglycans, collagen fibrils and elastic fibres in normal and myxomatous mitral heart valve chordae tendineae. <i>Cardiovascular Pathology</i> 8: 191-201.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Almubrad T, Khan MFJ, Akhtar S (2010) Swelling studies of camel and bovine corneal stroma. <i>Clinical Ophthalmology</i> 4:1053-60.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	3D and Ultra-structural study of collagen fibrils and proteoglycans of hydrated human corneal stroma. Free Paper in	<i>European Academy of Optometry and Optics,</i>	Budapest Hungry	2015
2	Structure of Collagen fibril and proteoglycans at different depth of corneal stroma of CXL treated rats	Poster in <i>European Academy of Optometry and Optics,</i>	Budapest Hungry	2015
3	Effect of hydration on the ultra-structural distribution of collagen fibrils and proteoglycans in human corneal stroma	EVER	France	Oct. 2014
4	Structure and microanalysis of tear film ferning of camel tears, human tears and refresh plus.	EVER	France	Oct. 2014
5	Ultrastructural 3D imaging of Collagen fibrils and proteoglycans of Macular dystrophy cornea.	EVER	France	Oct. 2013
6	Ultrastructure Features of Dhub Lizard ( <i>Uromastix Aegyptia</i> ) Cornea.	EVER	France	Oct. 2013
7	Keratoconus corneal architecture after riboflavin/ultraviolet A cross-linking: Ultrastructural studies	8 <sup>th</sup> International Congress of Corneal Cross-Linking Conference	Geneva	Oct 2012

8	Immunoelectron microscopy – tracking the sub-cellular localization of antigens in high resolution	<i>EVER</i>	France	2012
9	Gelatinous drop like dystrophy (gdld) in a sudanese patient.	<i>EVER</i>	France	Oct. 2012
10	Stromal alteration in post-lasik ectasia cornea.	<i>EVER</i>	France	Oct. 2012
11	Ultrastructural change in corneas with pellucid marginal degeneration.	Saudi Association of Optometry	Saudi Arabia	2012
12	Ultrastructural features of corneal stroma of stingray and shark.	<i>World Ophthalmology Congress</i>	Abu Dhabi	2012
13	Clinico-pathological studies of a pellucid marginal degeneration cornea.	<i>World Ophthalmology Congress</i>	Abu Dhabi	2012
14	Ultra-structural changes in hydrated camel corneal stroma.	<i>World Ophthalmology Congress</i>	Abu Dhabi	2012
15	Clinical, histological and ultrastructural features of the cornea of a patient suffering from macular corneal dystrophy and undergoing hypothyroidism treatment.	<i>World Ophthalmology Congress</i>	Abu Dhabi	2012
16	Effect of fixation and embedding methods on collagen fibril diameter and spacing.	<i>European Association of Vision and Eye Research (EVER)</i>	Greece	2011.
17	Clinical and ultrastructural feature of a cornea with pellucid	<i>EVER</i>	France	2011

	marginal degeneration.			
18	Effect of swelling on the ultra-structure of camel corneal stroma.	<i>EVER</i>	France	2011
19	Ultra-structural features of keratoconus cornea after cross-linking by riboflavin/uva.	<i>EVER</i>	France	2010
20	Ultra-structural features of keratoconus cornea of 16 year old saudi male and female patients.	<i>EVER</i>	Greece	2010
21	Ultrastructural organisation of stingray and shark corneal stroma.	<i>EVER</i>	Greece	2011.
22	Ultra-structural features of camel cornea.	<i>EVER</i>	Greece	2010
23	Hydration and rehydration in camel and bovine cornea.	<i>EVER</i>	Greece	2010
24	Distribution of amyloid and big-h3 in the cornea and limbus of a patient with lattice corneal dystrophy. Unique findings in donated eyes.	<i>EVER</i>	France	2009
25	Ultrastructural features of Tree Shrew Cornea-Collagen fibrils and proteoglycans,	<i>EVER</i>	France	2009
26	Distribution of big-h3 protein in primary and recurrent granular corneal dystrophy	<i>EVER</i>	France	2008
27	Myofibroblast and smooth muscle actin in scarred corneal stroma	<i>EVER</i>	France	2008

28	Ultrastructural organisation of arthritis corneal stroma	<i>EVER</i>	France	2008
29	Role of EGFR in corneal remodelling in diabetes.	<i>EVER</i>	France	2007
30	remodelling of collagen fibrils and proteoglycans in the zebrafish cornea during development	<i>EVER</i>	France	2007
31	Expression of neoepitope bks-1 and distribution of collagen fibrils diameter in normal and keratoconus cornea	<i>EVER</i>	France	2006
32	Expression of lumican and keratocan in normal and keratoconus cornea.	<i>EVER</i>	France	2006
33	Distribution of neoepitope BKS-1 in normal and keratoconus cornea	<i>ARVO</i>	USA	2006
34	Morphology of the Tree Shrew Optic Nerve: A Model for Glaucoma?	<i>ARVO</i>	USA	2005
35	Alteration of keratan sulphate (sulphated poly-n-acetyllactoseamine repeats) in keratoconus cornea: biochemical, histochemical and ultrastructural analysis.	<i>EVER</i>	France	2005
36	Localisation of a novel keratan sulphate stub neoepitope monoclonal antibody bks1 in normal human cornea, sclera and limbus	<i>EVER</i>	France	2005
37	<i>Immunogold localization of keratan sulfate (sulfated poly -n-</i>	<i>Cornea World</i>	Washington	2005.

	<i>acetyllactoseamine repeats) in keratoconus cornea</i>	Conference		
38	Ultrastructural analysis of optic nerve axons in experimental glaucoma: evidence for axon shrinkage.	ARVO	USA	2005.
39	Optic nerve degeneration in experimental glaucoma is associated with microglial activation.	ARVO	USA	2004.
40	Ultrastructural findings and big-h3 expression in a new syndrome of corneal lattice dystrophy with myelopathy.	EVER	France	2004
41	Ultrastructural features and quantitative analysis of proteoglycans and collagen fibres in keratoconus corneal stroma	EVER	France	2004
42	Ultrastructural microanalysis of opacified Hyoview Intraocular Lenses.	SWOS	Bristol	2004
43	The Ultrastructure of Hypertrophic Dendriiform Epitheliopathy Post Keratoplasty.	EVER	France	2003
44	Collagen Fibril Disorganisation in the Corneas of Keratocan-deficient Mice as Revealed by Synchrotron X-ray Diffraction.	ARVO	USA	2003
45	Clinical and Ultrastructural Findings in Mare's Tail Lines of the Corneal Epithelium	EVER	France	2002
46	Ultrastructural localisation of keratan sulfate proteoglycans in	British Orthopaedic	London	2001

	annulus of normal and scoliotic intervertebral disc	<i>Research Society</i>		
47	Blockade of hyperpolarization-dependent channel in mouse in mouse skin fibroblast by $\beta$ amyloid peptid	<i>Pharmacology Vancouver</i>	Canada	2001
48	Gelatinous Drop-like corneal dystrophy in a Child with Developmental Delay	<i>EVER</i>	France	2000
49	Clinicopathological study of a maroteaux-lamy syndrome type b cornea.	<i>ARVO</i>	USA	2000
50	Localization of protoglycans, big-h3 and tenascin in bullous keratopathy.	<i>ARVO</i>	USA	2000
51	Bilateral corneal endothelial failure and band keratopathy in an infant with corpus callosum agenesis.	<i>ARVO</i>	USA	1999.
52	Evidence of epithelial origin of recurrent dominant stromal corneal dystrophy, granular corneal type IV (Reis-Bücklers).	<i>ARVO</i>	USA	1999.
53	Deposits and proteoglycan changes in primary and recurrent granular dystrophy.	<i>ARVO</i>	USA	1998



<b>Name</b>	Ali M. Masmali
<b>Department</b>	Optometry
<b>Academic Rank</b>	Associate Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Tear film and dry eye
<b>Research scope</b>	Assessment of tear film quality and stability

## ISI Published Research

No	Research title
1	Masmali A. M., Murphy P. J. & Purslow C. (2014). Development of a new grading scale for tear ferning. <i>Contact Lens and Anterior Eye</i> , 37, 178–184. <a href="http://dx.doi.org/10.1016/j.clae.2013.09.011">http://dx.doi.org/10.1016/j.clae.2013.09.011</a>
2	<b>Masmali A. M.</b> , Purslow C. & Murphy P. J. (2014). The tear ferning test: a simple clinical technique to evaluate the ocular tear film. <i>Clinical and Experimental Optometry</i> , 97, 399–406. <a href="http://dx.doi.org/10.1111/cxo.12160">http://dx.doi.org/10.1111/cxo.12160</a>
3	<b>Masmali, A.</b> , Alrabiah, S., Alharbi, A., El-Hiti, G. A., & Almubrad, T. (2014). Investigation of tear film using the TearLab™ osmolarity system in normal adults in Saudi Arabia. <i>Eye Contact Lens</i> , 40(2), 74–78. <a href="http://dx.doi.org/10.1097/ICL.0000000000000002">http://dx.doi.org/10.1097/ICL.0000000000000002</a>
4	<b>Masmali, A.</b> , Alqahtani, T. A., Alharbi, A., El-Hiti, G. A. (2014). Comparative study of repeatability of phenol red thread test versus Schirmer's test in normal adults in Saudi Arabia. <i>Eye Contact Lens</i> , 40(3), 127–131. <a href="http://dx.doi.org/10.1097/ICL.0000000000000025">http://dx.doi.org/10.1097/ICL.0000000000000025</a>
5	<b>Masmali, A. M.</b> , Al-Qhtani, S., Al-Gasham, T. M., El-Hiti, G. A., Purslow, C., & Murphy, P. J. (2015). Application of a new grading scale for tear ferning in non-dry

	eye and dry eye subjects. <i>Cont. Lens Anterior Eye</i> , 38(1), 39–43. <a href="http://dx.doi.org/10.1016/j.clae.2014.09.007">http://dx.doi.org/10.1016/j.clae.2014.09.007</a>
6	<b>Masmali, A.</b> , AL-Bahlal, J. M., El-Hiti, G. A., Akhtar, S., Purslow, C., Murphy, P. J., & Almubrad, T. (2015). Repeatability and diurnal variation of tear ferning test. <i>Eye Contact Lens</i> , 2015, 41(5), 262–267. <a href="http://dx.doi.org/10.1097/ICL.0000000000000116">http://dx.doi.org/10.1097/ICL.0000000000000116</a>
7	Saad, A. S., El-Hiti, G. A., & <b>Masmali, A. M.</b> (2015). A computer-based image analysis for tear ferning featuring. <i>J. Innov. Opt. Heal. Sci.</i> , 2015, 8(5), 1550015. <a href="http://dx.doi.org/10.1142/S1793545815500157">http://dx.doi.org/10.1142/S1793545815500157</a>



Name	Dr. Idriss Bedja
Department	Optometry
Academic Rank	Associate Professor
Nationality	Algerian
Specialty	Bio-Physicist
Research scope	Nano-Photonics

## ISI Published Researches

Num.	Research title
1	Hamid M. Ghaithan ; Saif M. Qaid ; Mahmoud Hezam ; Muhemmad B. Siddique ; <b>Idriss M. Bedja</b> ; Abdullah S. Aldwayyana “ <b>Invoking the frequency dependence in square modulated light intensity techniques for the measurement of electron time constants in dye- sensitized solar cells</b> ” <i>Proc. SPIE 9556</i> , Conference on Nanoengineering - Fabrication, Properties, Optics, and Devices XII Location: San Diego, CA Date: AUG 11-12, 2015 Sponsor(s): SPIE NANOENGINEERING: FABRICATION, PROPERTIES, OPTICS, AND DEVICES XII Book Series: Proceedings of SPIE Volume: 9556 Article Number: 955604, <b>2015</b>
2	T. Swetha, S. Niveditha, K. Bhanuprakash, A. Islam, L. Han, I. Bedja, R. Fallahpour, S. P. Singh “ <b>New Heteroleptic Benzimidazole Functionalized Ru-Sensitizer Showing Highest Efficiency for Dye-Sensitized Solar Cells</b> ”, <i>Inorg. Chem. Commun.</i> 51, 61, <b>2015</b>
3	H. Cheema, A. Islam, R. Younts, B. Gautam, I. Bedja, R. K. Gupta, L. Han, K. Gundogdu, A. El-Shafei, “ <b>More stable and more efficient alternatives of Z-907: carbazole-based amphiphilic Ru(II) sensitizers for dye-sensitized solar cells</b> ”, <i>Phys. Chem. Chem. Phys.</i> 16 (2014)
4	S. Chowdhury, U. Sumita, A. Islam and I. Bedja “ <b>Importance of policy for</b>

	energy system transformation: Diffusion of PV technology in Japan and Germany”, <i>Energy Policy</i> , 68, 285, 2014
5	R. K. Gupta, I. M. Bedja “Improved cell efficiency of [poly(ethylene oxide)-succinonitrile]/ LiI-I <sub>2</sub> solid polymer electrolyte-based dye-sensitized solar cell”, <i>Phys. Status Solidi A</i> 211 (2014) 1601.
6	M. Hussain, A. Islam, I. Bedja, R. K. Gupta, L. Han, A. El-Shafei “A Comparative Study of Ru (II) Cyclometallated Versus Thiocyanated Heteroleptic Complexes: Thermodynamic Force for Efficient Dye Regeneration in Dye-sensitized Solar Cells and How Low Could it Be?”, <i>Phys. Chem. Chem. Phys.</i> 16 (2014) 14874.



Name	ALI AHMED ABUSHARHA
Department	Optometry and Vision sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Anterior segment
Research scope	Tear film and dry eye

## ISI Published Researches

Num.	Research title
1	The Effect of Low Humidity on the Human Tear Film Abusharha, Ali A. BSc; Pearce, E. Ian PhD. Cornea: <u>April 2013 - Volume 32 - Issue 4 - p 429–434</u> doi: 10.1097/ICO.0b013e31826671ab

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	A new method for determining the effectiveness of hp-guar tear supplement in an adverse dry environment	Ophthalmic and Physiological Optics,	UK	2014

Name	Dr. Amira Elagamy
Department	Optometry and Vision Sciences
Last certificate	<b>M.D.</b> , Ophthalmology 2006
Academic Rank	Assistant Professor
Institution of Graduation	Faculty of Medicine, Mansoura University, Mansoura, Egypt.
Date of Joining to KSU	09/02/2017
Nationality	Egyptian
Specialty	Ophthalmology
Research scope	Glaucoma Management

## Published Researches In Scientific Journals

Numb	Research title
1	Amira F. El-Agamy, Amani Ezzat and Wael Hamza Color Dopplar imaging of retrobulbar hemodynamics in normal tension glaucoma patients and normal controls. <i>Bulletin of the Egyptian Ophthalmological society</i> , March 2007; 100 (3): 383-9.
2	Amira F. El-Agamy, MD & Amr El-Kanishy Central corneal thickness in ocular hypertension, primary open-angle glaucoma and normal tension glaucoma. <i>Bulletin of the Egyptian Ophthalmological society</i> , March 2008; 100 (3): 201-5.
3	Amr M. El-Kanishy, Asaad A. Ghanem, Ahmed S. El-Wehidy and Amira F. El-Agamy: Intravitreal Bevacizumab (Avastin) as an adjuvant treatment in cases of neovascular glaucoma. <i>Bulletin of the Egyptian Ophthalmological society</i> , March 2007; 100 (4): 693-7.

Name	Ferial Mohammed Zerie
Department	Optometry
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Low Vision Rehabilitation
Research scope	Vision Science

## ISI Published Researches

Num.	Research title
1	<sup>1</sup> Zeraid FM, Jawkhab AA <sup>1</sup> , Al-Tuwairqi WS <sup>2</sup> , Osuagwu UL <sup>3</sup> . Visual rehabilitation in low-moderate keratoconus: intracorneal ring segment implantation followed by same-day topography-guided photorefractive keratectomy and collagen cross linking. <u>Int J Ophthalmol</u> . 2014 Oct 18;7(5):800-6. doi: 10.3980/j.issn.2222-3959.2014.05.11. eCollection 2014.
2	Ferial M Zerie and Uchechukwu L Osuagwu. Changes in retinal nerve fiber layer & optic disc algorithms by OCT in glaucomatous Arab subjects. <u>Clin Ophthalmol</u> . 2013; 7: 1941–1949.
3	Zerie, Ferial M, Effects of optical blur on visual performance and comfort of computer users. ProQuest Dissertations Publishing, 2007.

## Published Researches at Conferences

<b>Numb</b>	<b>Research title</b>	<b>Conference name</b>	<b>Country</b>	<b>Year of publication</b>
<b>1</b>	<b>Effects of Optical blur on visual performance &amp; comfort of computer users. Abstract</b>	<b>SOS</b>	<b>KSA</b>	<b>2012</b>
<b>2</b>	<b>The Impact of Categorization of Low Vision Subjects in Riyadh.</b>	<b>SOS</b>	<b>KSA</b>	<b>2013</b>
<b>3</b>	<b>Comparison of Characteristics of Younger and Older Computer Users.</b>	<b>ARVO</b>	<b>USA</b>	<b>2009</b>
<b>4</b>	<b>Effects of Optical blur on the performance and comfort of computer users.</b>	<b>ARVO</b>	<b>USA</b>	<b>2007</b>
<b>5</b>	<b>Effects of different add powers in the comfort and productivity of computer users with fixed or free head movement.</b>	<b>ARVO</b>	<b>USA</b>	<b>2007</b>

Name	Kholoud Ahmad Bokhary
Department	Optometry and Vision Science
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Optometry - Amblyopia
Research scope	Amblyopia- dry eye – visual impairment Vision-related quality of life

## ISI Published Researches

Nu m.	Research title
1	Bokhary, K. A., Suttle, C., AL-Otaibi, A. G., Stapleton, F. & Boon, M. Y. 2013. Development and validation of the 21-item Children's Vision for Living Scale (CVLS) by Rasch analysis. Clinical and Experimental Optometry, 96, 566-576.
2	Bokhary K, Suttle C, Al-Otaibi A, Stapleton F, Boon MY. Development and Validation of Vision Related Quality of Life Questionnaire for Amblyopic Children in Saudi Arabia. Poster, American Academy of Optometry (AAO), Boston, October 2011.
3	Bokhary K, Suttle C, Al-Otaibi A, Stapleton F, Boon MY. Assessment of Vision-related Quality of Life in School Age Amblyopic Children in Saudi Arabia. Annual Optometry and Vision Science Meeting (AOVSM), Canberra, November 2011. <a href="https://dub130.mail.live.com/mail/ViewOfficePreview.aspx?messageid=mgx9u4cuDZ4BGJSAAjfeRhXg2&amp;folderid=f138yRc2zoWk-zKctG6FxRSw2&amp;attindex=0&amp;cp=-1&amp;attdepth=0&amp;n=7196967">https://dub130.mail.live.com/mail/ViewOfficePreview.aspx?messageid=mgx9u4cuDZ4BGJSAAjfeRhXg2&amp;folderid=f138yRc2zoWk-zKctG6FxRSw2&amp;attindex=0&amp;cp=-1&amp;attdepth=0&amp;n=7196967</a>
4	Bokhary K, Suttle C, Al-Otaibi A, Stapleton F, Boon MY. Development and Validation of a Vision related Quality of Life Questionnaire for Amblyopic Children in Saudi Arabia by Rasch Analysis. Poster, Annual Optometry and Vision Science Meeting (AOVSM), Canberra, November 2011. <a href="https://dub130.mail.live.com/mail/ViewOfficePreview.aspx?messageid=mgx9u4cuDZ4BGJSAAjfeRhXg2&amp;folderid=f138yRc2zoWk-zKctG6FxRSw2&amp;attindex=0&amp;cp=-1&amp;attdepth=0&amp;n=7196967">https://dub130.mail.live.com/mail/ViewOfficePreview.aspx?messageid=mgx9u4cuDZ4BGJSAAjfeRhXg2&amp;folderid=f138yRc2zoWk-zKctG6FxRSw2&amp;attindex=0&amp;cp=-1&amp;attdepth=0&amp;n=7196967</a>

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Bokhary, K.A., 2015. Vision-related quality of life in children with amblyopia. Optometry: Open Access, 37,38-40.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Development and Validation of Vision Related Quality of Life Questionnaire for Amblyopic Children in Saudi Arabia.	American Academy of Optometry (AAO)	Boston USA	2011
2	Assessment of Vision-related Quality of Life in School Age Amblyopic Children in Saudi Arabia.	Annual Optometry and Vision Science Meeting (AOVSM)	Canberra, Australia	2011
3	Development and Validation of a Vision related Quality of Life Questionnaire for Amblyopic Children in Saudi Arabia by Rasch	Annual Optometry and Vision Science Meeting (AOVSM)	Canberra, Australia	2011
4	Testing the validity of the Impact of Vision Impairment on Children (IVI-C) questionnaire on children with amblyopia.	Saudi Society of Ophthalmology (SOS)	Riyadh Saudi Arabia	2015
5	Assessment of vision-related activity limitation (VRAL) in children with amblyopia using the VRAL Questionnaire.	Saudi Annual Optometry (SAO)	Riyadh Saudi Arabia	2015

Name	Mohammed Saqer Alhazmi
Department	Optometry and Vision Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Eye Movement and Binocular Vision
Research scope	Eye movements, neurology

## ISI Published Researches

Num.	Research title
1	Alhazmi M, Seidel D, Gray LS. (2014). The effect of ocular rigidity upon the characteristics of saccadic eye movements. Invest Ophthalmol Vis Sci. 55, 1251–1258.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	The effect of eye size and ocular rigidity upon saccadic eye movements	British Congress of Vision Science (BCOVS)	UK	2011
2	Dynamic characteristics of saccadic eye movements are affected by ocular size/rigidity	European Conference on Visual Perception (ECVP)	Italy	2012
3	Dynamics of disparity vergence during 3D viewing are influenced by ocular rigidity	British Congress of Vision Science (BCOVS)	UK	2013
4	Effects of ocular rigidity upon disparity vergence eye movements during 3D viewing	American Academy of Optometry (AAO)	USA	2013

Name	Mohammad Abahussin
Department	Optometry
Academic Rank	Assistant Professor
Nationality	Saudi Arabia
Specialty	Contact Lenses
Research scope	Optometry and Vision Sciences

## ISI Published Researches

Num.	Research title
1	Abahussin M, AlAnazi M, Ogbuehi KC & Osuagwu UL. (2014). Prevalence, use and sale of contact lenses in Saudi Arabia: Survey on university women and non-ophthalmic stores. Cont Lens Anterior Eye 37, 185–90. doi: 10.1016/j.clae.2013.10.001.

## Published Researches at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Comparison of the Schirmer tear test with and without topical anaesthesia among university students.	BCLA 2015 Clinical Conference and Exhibition	UK	2015

Name	Rania Medhat Mohamed Fahmy
Department	Optometry
Academic Rank	Ass Prof
Nationality	Egyptian
Specialty	Ophthalmology
Research scope	Ophthalmology (anterior segment diseases- refractive surgeries-retinal diseases and investigative ophthalmology)

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Comparative study of corneal biomechanical properties between myopes and hyperopes. AlKhudair MI, Fahmy RM and Al-saleh AA. Austin J Clin Ophthalmol. 2014;1(1): 1002

Name	Dr. Ravindra Kumar Gupta
Department	Optometry
Academic Rank	Assistant Professor
Nationality	Indian
Specialty	Physics (Applied)
Research scope	Optics (Solar Cells & Lenses)

## ISI Published Researches

No.	Research title
1	More stable and more efficient alternatives of Z-907: carbazole-based amphiphilic Ru(II) sensitizers for dye-sensitized solar cells, H. Cheema, A. Islam, R. Younts, B. Gautam, I. Bedja, <i>R. K. Gupta</i> , L. Han, K. Gundogdu, A. El-Shafei, Physical Chemistry Chemical Physics 16 (2014) 27078-27087.
2	A comparative study of Ru (II) cyclometallated versus thiocyanated heteroleptic complexes: Thermodynamic force for efficient dye regeneration in dye-sensitized solar cells and how low could it be? M. Hussain, A. Islam, I. Bedja, <i>R. K. Gupta</i> , L. Han, A. El-Shafei, Physical Chemistry Chemical Physics 16 (2014) 14874-14881.
3	Improved cell efficiency of [poly(ethylene oxide)-succinonitrile]/ LiI-I <sub>2</sub> solid polymer electrolyte-based dye-sensitized solar cell. <i>R. K. Gupta</i> , I. M. Bedja, Physica Status Solidi A 211 (2014) 1601-1604.

## Published Researches In Scientific Journals (Non- ISI)

No.	Research title
1	Electrical, structural, optical and thermal properties of (1-x)Blend: xLi[(CF <sub>3</sub> SO <sub>2</sub> ) <sub>2</sub> N] solid polymer electrolyte system, <i>R. K. Gupta</i> , H.-W. Rhee, in "Proceedings of the 14th Asian Conference on Solid State Ionics", 2014, p. 179-186

Name	Basimah Saleh AlOtaibi
Department	Optometry
Academic Rank	lecturer
Nationality	SAUDI
Specialty	Optometrist
Research scope	Optometry science

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Al-Otaibi, B. S. (2015). Retinal Nerve Fiber Layer Thickness between Normal Eyes & Glaucoma. <i>Nigerian Journal of Medical Rehabilitation</i> , 18(1).

Name	Hind Ibrahim Aldebasi
Department	Optometry and vision sciences
Academic Rank	lecturer
Nationality	saudi
Specialty	optometry
Research scope	Amblyopic children

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Aldebasi HI, Fawzy SM, Alsaleh AA.(2013). Ocular aberrations in amblyopic children. <a href="#">Saudi J Ophthalmol</a> . 27(4):253-8.

Name	Noha M AlSaleem
Department	Optometry
Academic Rank	Lecturer (Two Masters from UNSW)
Nationality	Saudi
Specialty	Optometry (pediatric)
Research scope	Visual field testing

## ISI Published Researches

Num.	Research title
1	Kalloniatis M, Khuu S, Alsaleem N. (2015). METHODS AND SYSTEMS FOR DIAGNOSIS OF OCULAR DISEASE, US 2015/0313457 A1, Nov. 5, 2015. From: <a href="https://patentimages.storage.googleapis.com/5d/4a/bd/436cbaeb28f8c9/US20150313457A1.pdf">https://patentimages.storage.googleapis.com/5d/4a/bd/436cbaeb28f8c9/US20150313457A1.pdf</a>

## Published Researches In Scientific Journals (Non- ISI)

Nu m.	Research title
1	Kalloniatis M, Khuu S, Alsaleem N. (2015). METHODS AND SYSTEMS FOR DIAGNOSIS OF OCULAR DISEASE, US 2015/0313457 A1, Nov. 5, 2015. From: <a href="https://patentimages.storage.googleapis.com/5d/4a/bd/436cbaeb28f8c9/US20150313457A1.pdf">https://patentimages.storage.googleapis.com/5d/4a/bd/436cbaeb28f8c9/US20150313457A1.pdf</a>

Name	Tahani Abdulhadi Alqahtani
Department	Optometry
Academic Rank	Master
Nationality	Saudi
Specialty	Science in Optometry
Research scope	Dry eye

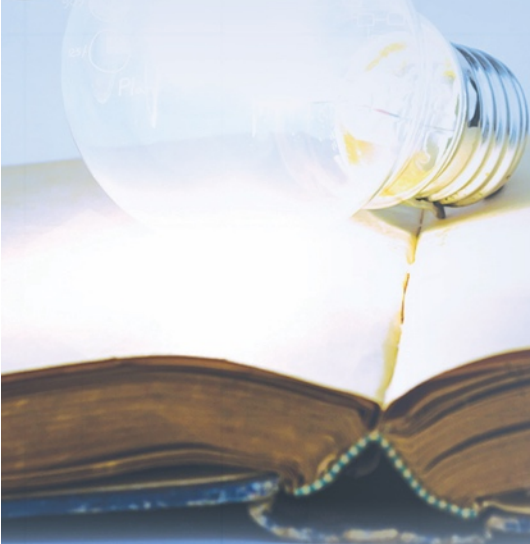
## ISI Published Researches

Num.	Research title
1	Masmali, Ali, et al. "Comparative study of repeatability of phenol red thread test versus Schirmer test in normal adults in Saudi Arabia." <i>Eye &amp; contact lens</i> 40.3 (2014): 127-131.

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# Department of Radiological Sciences

## A Brief Overview

At the Department of Radiological Sciences research stretches from molecular imaging and nanophysics to society wide radiation protection, bone density and osteoporosis studies.

## Research Scope

The department research spans diverse fields of interests including medical ultrasound, Magnetic Resonance Imaging (MRI), Nuclear Medicine, Radiation Therapy and Breast imaging utilizing various resources including computing facilities for Monte Carlo simulations, MRI imagers , clinical ultrasonography equipment, DEXA scanners and additional further resource.

Faculty and researchers at the department successfully secured number of research grants from Strategic Technologies Program for National Plan for Science, Technology and Innovation (NPSTI) at KACST in the past 5 years.



<b>Name</b>	Abdulrahman A Alfuraih
<b>Department</b>	Radiological Sciences
<b>Academic Rank</b>	Associate Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Medical Physics
<b>Research scope</b>	Computational Medical Physics- Monte Carlo Simulation

## ISI Published Research

Num.	Research title
1	Suliman, A ; Tammam, N ;Alzimami, ; Elnour, AM ; Babikir, E; Alfuraih, A.(2015). DOSE REDUCTION IN CHEST CT EXAMINATION, RADIATION PROTECTION DOSIMETRY Volume: 165 Issue: 1-4 Pages: 185-189, 2015
2	Abdulrahman Alfuraih, Khalid Alzimami, Andy K. Ma, Ali Alghamdi, Ibrahim Al Jammaz,(2014) Effective dose to immuno-PET patients due to metastable impurities in cyclotron produced zirconium-89, Radiation .Physics and Chemistry, Volume 104, November 2014, Pages 145-149
3	Ahmed M. Maghraby, K.S. Alzimami, M.A. Alkhorayef, K.G. Alsafi, A. Ma, A.A. Alfuraih, A.A. Alghamdi, N.M. Spyrou,( 2014) Investigation of LaBr3:Ce probe for gamma-ray spectroscopy and dosimetry, Radiation Physics and Chemistry, Volume 95, February 2014, Pages 137-140

4	Abdulrahman Alfuraih, Khalid Alzimzmi, Andy K. Ma, Ali Alghamdi, (2013) Optimization of $^{89}\text{Zr}$ production using Monte Carlo simulations, Journal of Radioanalytical and Nuclear Chemistry, May 2013, Volume 296, Issue 2, pp 1025-1029
5	M. Alkhorayef, K. Alzimami, A. Alfuraih, M. Alnafe, N.M. Spyrou, (2012) Measurement of three gamma annihilation by lanthanum-based crystals compared with NaI(Tl) and HPGe, Journal of Radioanalytical and Nuclear Chemistry, February 2012, Volume 291, Issue 2, pp 493-496
6	K. Alzimami, S. Sassi, A. Alfuraih and NM Spyrou, (2011), Investigation the Potential Use of $\text{LaBr}_3\text{:Ce}$ Scintillators for Scintimammography Imaging. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 633, Supplement 1, May 2011, Pages S282-S285
7	Khalid S. Alzimami, Salem A. Sassi, Abdulrahman A. Alfuraih, Nicholas M. Spyrou, (2011), Investigation of the possibility of improving spatial resolution in SPECT with the combination of $\text{LaBr}_3\text{:Ce}$ -based detector and .3D-OSEM reconstruction algorithms Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 633, Supplement 1, May 2011, Pages S289-S291
8	K. S. Alzimami, S. A. Sassi, A. A. Alfuraih, M. A. Alkhorayef and NM Spyrou. (2010) Optimized Energy Window Selection for $^{89}\text{Zr}$ PET Imaging Using Monte Carlo Simulation, Transactions- American Nuclear Society Meeting, Vol 103, pages 1111-1112, Las Vegas, USA, November 2010
9	Ma A, Alghamdi A, Alsaif A, Alfuraih A, (2010) Validation of Homogenous Breast Tissue Assumption in MGD Calculations Using A Realistic Computational Breast Phantom, Proceedings of The Joint International Conference on Supercomputing in Nuclear Application and Monte Carlo (SNA+MC2010), Tokyo, Japan. 2010, Article no. 10335
10	A. Alfuraih, M. P. W. Chin, N. M. Spyrou, (2008) Measurements of the photonuclear neutron yield of 15 MV medical linear accelerator. Journal of Radioanalytical and Nuclear Chemistry, Vol. 278, No.3, pages 681-684 (2008)

11	Ma A, Awotwi-Pratt J, Alghamdi A, Alfuraih A and Spyrou NM (2008) Monte Carlo study of photoneutron production in the Varian Clinac 2100C linac. Journal of Radioanalytical and Nuclear Chemistry 276 119-123
12	Alfuraih, A. Chin, M.P.W. Spyrou, N.M.(2007) Boron Neutron Capture Therapy: Medical Linear Accelerator Versus Reactor Beams, TRANSACTIONS- AMERICAN NUCLEAR SOCIETY,2007, VOL 97, pages 307-308
13	Spyrou NM, Alfuraih A and Ma A (2006) Monte Carlo simulations for boron neutron capture therapy with linacs. American Nuclear Society Transactions 95 434-435
14	Alfuraih A, Ma A, Awotwi-Pratt J and Spyrou NM (2006) BNCT with linac, feasibility study. Proceedings of 12th International Congress on Boron Neutron Capture Therapy 339-341
15	Alfuraih A, Alghamdi A, Ma A and NM Spyrou (2005) Prospect of using the photoneutron beam component from high energy linacs in BNCT, a Monte Carlo simulation. Proceedings of EUROCON 2005 – The International Conference on Computer as a Tool 2 1703–1705

## Published Research at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Validation of Homogenous Breast Tissue Assumption in MGD Calculations Using A Realistic Computational Breast Phantom	International Conference on Supercomputing in Nuclear Application and Monte Carlo ((SNA+MC2010	Japan	2010

2	Optimized Energy Window Selection for $^{89}\text{Zr}$ PET Imaging Using Monte Carlo Simulation	American Nuclear Society Meeting	USA	2010
3	Boron Neutron Capture Therapy: Medical Linear Accelerator Versus Reactor Beams	American Nuclear Society Meeting	USA	2007
4	Monte Carlo simulations for boron neutron capture therapy with linacs	American Nuclear Society Meeting	USA	2007
5	BNCT with linac, feasibility study	The 12 International Congress on Boron Neutron Capture Therapy	Japan	2006



Name	Essam Hussain Mattar
Department	Radiological Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Nuclear Medicine
Research scope	Medical Imaging Technology

## ISI Published Research

Num.	Research title
1	Achraf Al Faraj, Nathalie Luciani <sup>1</sup> , Jelena Kolosnjaj-Tabi, <a href="#">Essam Mattar</a> , Olivier Clement, Claire Wilhelm, Real- time high- resolution magnetic resonance tracking of macrophage subpopulations in a murine inflammation model: a pilot study with a commercially available cryogenic probe. Contrast Media & Molecular Imaging, V(8), Issue 2, pages 193–203, March/April 2013
2	<b>Essam H. Mattar</b> , Lina F. Hammad, Huda I. Al-Mohammed. Measurement and comparison of skin dose using OneDose MOSFET and Mobile MOSFET for patients with acute lymphoblastic leukemia. Med Sci Monit, 17(7): MT51-55, 2011
3	<b>E.H. Mattar</b> , L.F. Hammad, M.E. Zain. Effect of cadmium, cobalt, and chromium on growth of three Cunninghamella species. Journal of Saudi Chemical Society (2011) 15, 357–359.

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	A Bibliometric Analysis of the Journal of Radiologic Technology (1963-2011) as a Review of Publication Progress and Trends in the Field. Radiologic Technology Journal, April 2013
2	Saad, I., <b>Mattar, E.</b> , Ashour, A. Contrast Evaluation for a Dual Head SPECT System with Different Energy Peaking-Drift. Egyptian J. Nucl. Med., Vol. 4, No.1, 2011.
3	<b>Mattar EH</b> , Hammad LF, Faden A and Khalil HS. Relation of maxillary teeth to the maxillary sinus in normal Saudi individuals living in Riyadh. Bioscience, Biotechnology Research Asia, (Accepted for publication and under issue preparation V7 (2) 2010.
4	<b>Mattar EH</b> . Effect of Age on the Biomechanical and Microcirculatory Properties of the Skin in Healthy Individuals and during Venous Ulceration. Indian journal of dermatology; 2010; (accepted and under issue preparation).
5	Shamweel Ahmed, Sajad Ahmed, <b>Essam H. Mattar</b> , Abdul Malik H. Al-Sabban and Abubaker M. Hamad. Epidemiology of Hepatitis C Virus (HCV) Infection. Physician academy; 2010; 4(8): 82-87.
6	<b>Mattar EH</b> , Hammad LF, Ahmad S, El-Kersh T. An investigation of the Bacterial contamination of ultrasound equipments at a university hospital in Saudi Arabia. J Clin. Diag. Research; Aug 2010; (4): 2685-2690).(Original Article).
7	<b>Mattar, E.H.</b> and A.S.A. Haffor. Effect of Dobutamine and Hyperoxia on Free Radicals Production in Relation to the Ultrastructural Alterations in the Endothelial of Myocardial Capillary in Rats, Rattus norvigicus, Ultrastructural Pathology., USA; 2009, 33: 1-8
8	<b>Mattar EH</b> . Integrated PET/CT in imaging of non-small cell lung cancer. J Egypt Natl Canc Inst; 2007; 19(4):263-74. Review.
9	Al-Maatouq MA, El-Desouki MI, Othman SA, <b>Mattar EH</b> , Babay ZA, Addar M. Prevalence of osteoporosis among postmenopausal females with diabetes mellitus., Saudi Med J.; 2004, 25(10):1423-7.
10	Ahmad S, Al-Juaid NF, Alenzi FQ, <b>Mattar EH</b> , Bakheet Oel-S. Prevalence, antibiotic susceptibility pattern and production of extended-spectrum beta-lactamases amongst clinical isolates of Klebsiella pneumoniae at Armed Forces Hospital in Saudi Arabia., J Coll Physicians Surg Pak., 2009, 19(4):264-5. <b>(Short communication)</b> .

## Published Books

Num.	Book title
1	Higher Education in Saudi Arabia Achievements, Challenges and Opportunities Editors: <b>Smith</b> , Larry, <b>Abouammoh</b> , Abdulrahman (Eds.) 2013, Springer



Name	Dr. Khalid Alzimami
Department	Radiological Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Nuclear Medicine & Medical Physics
Research scope	Dosimetry

## ISI Published Research

Num.	Research title
1	Alanazi, A., Alkhorayef, M., Alzimami, K., Jurewicz, I., Abuhadi, N., Dalton, A., & Bradley, D. A. (2016). Carbon nanotubes buckypaper radiation studies for medical physics applications. <i>Applied Radiation and Isotopes</i> , 117, 106-110.
2	Suliman, A., Elhag, B., Alzimami, K., Kappas, C., & Theodorou, K. (2016). Measurements of pediatric radiation exposure during barium imaging procedures. <i>Physica Medica: European Journal of Medical Physics</i> , 32, 334.
3	AlMugren, T. S., Al-Namlah, A., Alkubaidan, F., AlOtaibi, H., & AlZimami, I. (2016). Epidemiology and patterns of the hand and distal forearm fractures at King Abdul-Aziz Medical City, Riyadh, KSA. <i>Journal of Taibah University Medical Sciences</i> , 11(1), 86-90.
4	Hashim, S., Mhareb, M. H. A., Ghoshal, S. K., Alajerami, Y. S. M., Bradley, D. A., Saripan, M. I., ... & Alzimami, K. (2015). Luminescence characteristics of Li <sub>2</sub> O–MgO–B <sub>2</sub> O <sub>3</sub> doped with Dy <sup>3+</sup> as a solid TL detector. <i>Radiation Physics and Chemistry</i> , 116, 138-141.

5	Alzimami, K., Ma AK, Effective dose to staff members in a positron emission tomography/CT facility using zirconium-89 The British journal of radiology 86 (1030), 20130318
6	Sulieman, A., Alzimami, K., Habeeballa, B., Osman, H., Abdelaziz, I., Sassi, S. A., & Sam, A. K. (2015). Evaluation of occupational and patient radiation doses in orthopedic surgery. Applied Radiation and Isotopes, 100, 65-69.
7	Hashim, S., Omar, S. C., Ibrahim, S. A., Hassan, W. W., Ung, N. M., Mahdiraji, G. A., ... & Alzimami, K. (2015). Thermoluminescence response of flat optical fiber subjected to 9 MeV electron irradiations. Radiation Physics and Chemistry, 106, 46-49.
8	Alzimami, K. S., Maghraby, A. M., & Bradley, D. A. (2014). Comparative study of some new EPR dosimeters. Radiation Physics and Chemistry, 95, 109-112.
9	Alzimami, K., Sulieman, A., Omer, E., Suliman, I. I., & Alsafi, K. (2014). Effective dose estimation during conventional and CT urography. Radiation Physics and Chemistry, 104, 154-157.
10	Alzimami, K., Sulieman, A., Yousif, A., Babikir, E., & Salih, I. (2014). Evaluation of radiation dose to neonates in a special care baby unit. Radiation Physics and Chemistry, 104, 150-153.
11	Sulieman, A., Alzimami, K., Elhag, B., Babikir, E., & Alsafi, K. (2014). Evaluation of radiation dose to pediatric patients during certain special procedures. Radiation Physics and Chemistry, 104, 267-271.
12	Maghraby, A. M., Alzimami, K., & Abo-Elmagd, M. (2014). Estimation of the residential radon levels and the population annual effective dose in dwellings of Al-kharj, Saudi Arabia. Journal of Radiation Research and Applied Sciences, 7(4), 577-582.
13	Alzimami, K., Maghraby, A. M., & Abo-Elmagd, M. (2014). Radon levels and the expected population mortality in dwellings of Al-Kharj, Saudi Arabia. Journal of Radiation Research and Applied Sciences, 7(4), 572-576.
14	Alzimami, K., Alkhorayef, M., & Spyrou, N. M. (2014). Comparison of Zr-89, I-124, and F-18 Imaging Characteristics in PET Using Gate Monte Carlo Simulations: Imaging. International Journal of Radiation Oncology• Biology• Physics, 88(2), 502.
15	Suliman, I. I., Al-Jabri, A. J., Badawi, A. A., Halato, M. A., Alzimami, K., & Sulieman, A. (2014). Radiation dose and cancer risk in patients undergoing multiple radiographs in intravenous urography X-ray examinations. Radiation Physics and Chemistry, 104, 272-275.

16	Hashim, S., Alajerami, Y. S. M., Ghoshal, S. K., Saleh, M. A., Saripan, M. I., Kadir, A. B. A., ... & Alzimami, K. (2014). Dosimetric characteristics of LKB: Cu, P solid TL detector. <i>Radiation Physics and Chemistry</i> , 104, 36-39.
17	Sulieman, A., Alzimami, K., Gafar, R., Babikir, E., Alsafi, K., & Suliman, I. I. (2014). Occupational and patient exposure in coronary angiography procedures. <i>Radiation Physics and Chemistry</i> , 104, 68-71.
18	Alfuraih, A., Alzimami, K., Ma, A. K., Alghamdi, A., & Al Jammaz, I. (2014). Effective dose to immuno-PET patients due to metastable impurities in cyclotron produced zirconium-89. <i>Radiation Physics and Chemistry</i> , 104, 145-149.
19	Sulieman, A., Babikir, E., Alzimami, K., Alrihaima, N., & Theodorou, K. (2014). Study of paediatric exposure to radiation during micturating cystourethrography procedures. <i>Physica Medica: European Journal of Medical Physics</i> , 30, e42.
20	Sulieman, A., Babikir, E., Alarabi, A., Alzimami, K., & Theodorou, K. (2014). Evaluation of radiation risks in adults computed tomography procedures. <i>Physica Medica: European Journal of Medical Physics</i> , 30, e50.
21	Maghraby, A. M., Alzimami, K. S., Alkhorayef, M. A., Alsafi, K. G., Ma, A., Alfuraih, A. A., ... & Spyrou, N. M. (2014). Investigation of LaBr <sub>3</sub> : Ce probe for gamma-ray spectroscopy and dosimetry. <i>Radiation Physics and Chemistry</i> , 95, 137-140.
22	Alalawi, A. I., Hugtenburg, R. P., Rahman, A. A., Barry, M. A., Nisbet, A., Alzimami, K. S., & Bradley, D. A. (2014). Measurement of dose enhancement close to high atomic number media using optical fibre thermoluminescence dosimeters. <i>Radiation Physics and Chemistry</i> , 95, 145-147.
23	Alalawi, A. I., Jafari, S. M., Najem, M. A., Alsaleh, W., Clark, C. H., Nisbet, A., ... & Bradley, D. A. (2014). Preliminary investigations of two types of silica-based dosimeter for small-field radiotherapy. <i>Radiation Physics and Chemistry</i> , 104, 139-144.
24	Hashim, S., Alajerami, Y. S. M., Ramli, A. T., Ghoshal, S. K., Saleh, M. A., Kadir, A. A., ... & Mhareb, M. H. A. (2014). Thermoluminescence dosimetry properties and kinetic parameters of lithium potassium borate glass co-doped with titanium and magnesium oxides. <i>Applied Radiation and Isotopes</i> , 91, 126-130.
25	Hashim, S., Ibrahim, S. A., Omar, S. C., Alajerami, Y. S. M., Saripan, M. I., Noor, N. M., ... & Alzimami, K. (2014). Photon irradiation response of

	photonic crystal fibres and flat fibres at radiation therapy doses. Applied Radiation and Isotopes, 90, 258-260.
26	Bradley, D. A., Sani, S. F. A., Alalawi, A. I., Jafari, S. M., Noor, N. M., Azhar, A. H., ... & Alzimami, K. S. (2014). Development of tailor-made silica fibres for TL dosimetry. Radiation Physics and Chemistry, 104, 3-9.
27	Alajerami, Y. S. M., Hashim, S., Ramli, A. T., Saleh, M. A., Saripan, M. I., Alzimami, K., & Ung, N. M. (2013). Thermoluminescence responses of photon-and electron-irradiated lithium potassium borate co-doped with Cu+ Mg or Ti+ Mg. Applied Radiation and Isotopes, 78, 21-25.
28	Alajerami, Y. S. M., Hashim, S., Ghoshal, S. K., Saleh, M. A., Kadni, T., Saripan, M. I., ... & Bradley, D. A. (2013). The effect of TiO <sub>2</sub> and MgO on the thermoluminescence properties of a lithium potassium borate glass system. Journal of Physics and Chemistry of Solids, 74(12), 1816-1822
29	Alzimami, K. S., Sassi, S. A., Alfuraih, A. A., Livieratos, L., & Spyrou, N. M. (2011). Investigation of the possibility of improving spatial resolution in SPECT with the combination of LaBr <sub>3</sub> : Ce-based detector and 3D-OSEM reconstruction algorithms. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 633, S289-S291.
30	Alzimami, K. S., Sassi, S. A., Alfuraih, A. A., & Spyrou, N. M. (2011). Investigation of the potential use of LaBr <sub>3</sub> : Ce scintillators for scintimammography imaging. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 633, S282-S285.
31	Alzimami, K., Sassi, S., Alkhorayef, M., Britten, A. J., & Spyrou, N. M. (2009). Optimisation of computed radiography systems for chest imaging. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 600(2), 513-518.

## Published Research In Scientific Journals (Non- ISI)

Num.	Research title
1	Stol, D. M., Hollander, M., Nielen, M. M., Badenbroek, I. F., Schellevis, F. G., & de Wit, N. J. (2018). Implementation of selective prevention for cardiometabolic diseases; are Dutch general practices adequately prepared?. Scandinavian journal of primary health care, 1-8.

## Published Books

Num.	Book title
1	K.S. Alzimami, S.A. Sassi and N. M. Spyrou, A Comparison Between 3D OSEM and FBP Image Reconstruction Algorithms in SPECT, Edited by Sio-Iong Ao and Len Gelman, Chapter 17:195-206, Springer, New York, 2009

Name	Dr. Lina Fahmi Hammad (MSc, PhD)
Department	Radiological Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Medical Physics
Research scope	<ol style="list-style-type: none"> <li>1. Measurements of Osteoporosis and Osteopenia Within the Saudi Community.</li> <li>2. Measurements of Sarcopenia within the Saudi Community.</li> <li>3. Musculoskeletal Injuries Within Sonographer.</li> <li>4. Microbial contamination of Radiological equipment.</li> <li>5. Non-Invasive Characterization of Cutaneous Hardness.</li> <li>6. Measurements of Kidney Morphometry within the Saudi Community.</li> <li>7. Characterization of Cutaneous Microvascular, Vascular And Mechanical changes In Patients suffering from Diabetic leg Ulcer Non-Invasively.</li> </ol>

## ISI Published Research

Num.	Research title
1	Hammad LF, BenajibaN. Lifestyle factors influencing bone health in young adult women in Saudi Arabia. African Health Sciences Vol 17 Issue 2, June, 2017 524- 531. <a href="https://dx.doi.org/10.4314/ahs.v17i2.28">https://dx.doi.org/10.4314/ahs.v17i2.28</a>
2	Hammad LF. Measurements of bone mineral density and stiffness index in young Saudi females Pak J Med Sci 2016;32(2):399-402. doi: <a href="http://dx.doi.org/10.12669/pjms.322.9757">http://dx.doi.org/10.12669/pjms.322.9757</a> . ISI JOURNAL

3	Hammad LF. Bone mineral density in university aged Saudi females. Pak J Med Sci 2015;31(3):556-560. doi: <a href="http://dx.doi.org/10.12669/pjms.313.7264">http://dx.doi.org/10.12669/pjms.313.7264</a> ISI JOURNAL
4	Hammad LF. Optimum patient position for sonographic examination of the kidneys (2012) Pak J Med Sci; 28(5):823-826. ISI JOURNAL
5	Hammad LF. A sonographic study of kidney dimensions in Saudi's University Students. (2012) Pak J Med Sci; 28(3); 395-399. ISI JOURNAL
6	Mattar EH, Hammad LF, Zain, M.E. Effect of cadmium, cobalt, and chromium on growth of three Cunninghamella species. (2011) J of Saudi Chemical Society 15 (4),: 357-359. ISI JOURNAL
7	Mattar EH, Hammad LF, Al-Mohammed HI . Measurement and comparison of skin dose using One Dose MOSFET and Mobile MOSFET for patients with acute lymphoblastic leukemia. (2011) Med Sci Monit. Jul;17(7):MT51-55. ISI JOURNAL
8	Mani, R. Hammad, L Roberts, G.H. The microenvironment around leg ulcers. In: Evidence-based Wound care. Eds Suggett, A. et al (1998); ICSS 227: 5-13. RSM Press

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	Hammad LF, Zaidi U, Awad SS, Elkholi SMA, Qasem HD & Zaidi F prevalence, ergonomics, sociodemographic correlates with musculoskeletal injuries among sonographers in RIYADH, KSA. Cibtech Journal of Zoology ISSN: 2319-3883 (Online) 2017 Vol. 6 (2) May-August, pp.33-42 <a href="http://www.cibtech.org/cjz.htm">http://www.cibtech.org/cjz.htm</a>
2	Zaidi U Hammad LF, Awad SS, Elkholi SMA, Qasem HD Al-Mahdi NA. Problem-based learning vs. traditional teaching methods: self-efficacy and academic performance among students of health and rehabilitation sciences college, pnu. Sci.Int.(Lahore), 2017. 29(3),547-551, ISSN: 1013-5316; CODEN: SINTE 8
3	Zaidi U Hammad LF, Awad SS, Elkholi SMA, Qasem HD Al-Mahdi NA Psychological Perspective: Impact of Teachers on Health and Rehabilitation Sciences College Students' Views, PNU. International Journal of Medical Research & Health Sciences, 2017, 6(8): 119-124. ISSN No: 2319-5886
4	Hammad LF. Quantitative Ultrasound Measurements of Stiffness Index in Young Adult Females. (2013) Archive Of Medicine Vol. 5 No. 1:4 doi: 10.3823/107
5	Hammad, LF. Skin Hardness in Healthy College Age Saudi Individuals. (2011) Physicians Academy 5 (7): 92-101
6	Mattar, EH, Hammad, LF, Faden, A and Khalil, H. Relation of maxillary teeth to the maxillary sinus in normal Saudi individuals living in Riyadh. Bioscience, Biotechnology Research Asia. 2010; 7(2): 695-700
7	Mattar EH, Hammad LF, Ahmad S, El-Kersh T. An investigation of the Bacterial contamination of ultrasound equipments at a university hospital in Saudi Arabia. (2010) J Clin. Diag. Research Aug; (4): 2685-2690).(Original Article)
8	Hammad, L Roberts, G.H. Collines, CS, Mani, R. Les mesures en matiere de cicatrisation des plaies contribuent-elles a l evaluation des facteurs de risqué? (2001) Journal des Plaies et Cicatrisations, 28:13-16

## Published Research at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Never Let your Dreams Go: Step-by-Step guide for PNU students to be innovators	Inovative Arabia conference ISSN 2414-6102	UAE	2016
2	Physical Changes in Dermal Tissues Around Chronic Venous Ulcers	Proc 7th European Conference on Advances in Wound Management November; 104-105. ISBN 1902 499 034	Italy	1997

## Published Books

Num.	Book title
1	Full citation Mani, R. Hammad, L Roberts, G.H. The microenvironment around leg ulcers. In: Evidence-based Wound care. Eds Suggett, A. et al (1998); ICSS 227: 5-13. RSM Press

Name	Mohammed Alkhorayef
Department	Radiological Sciences
Academic Rank	Associate Professor
Nationality	Saudi
Specialty	Radiological Sciences
Research scope	Radiological Sciences

## ISI Published Research

Num.	Research title
1	M. Alkhorayef. Study of hydrophilic materials as tissue equivalent phantoms for positron emission tomography. Journal of Radioanalytical and Nuclear Chemistry. 306 (3): 745-749 (2015)
2	M. Alkhorayef, M. Alnaaimi, M. Alduaij, M. Mohamed, S. Ibahim, F. Alkandari, D. Bradley. Toward standardising gamma camera quality control procedures, Radiation Physics and Chemistry. 116: 95-99 (2015).
3	M. Al-Bogami, M. Alkhorayef, J. Bystrom, O. Akanle, N. Al-Adhoubi, A. Jawad, R. Mageed. Favorable therapeutic response of osteoporosis patients to treatment with intravenous zoledronate compared with oral alendronate. Saudi Medical Journal. 36 (11): 1305-1311 (2015).
4	E. Babikir, Hussein A. Hasan, A. Abdelrazig, M. Alkhorayef, E. Manssor, A. Sulieman. Radiation dose levels for conventional chest and abdominal x-ray procedures in elected hospitals. Radiation Protection Dosimetry. 165 (1-4):102-106 (2015).
5	M. Alkhorayef, M Mahmoud, K Alzimami, A Sulieman, M Fagiri. High-Intensity Focused Ultrasound (HIFU) in Localized Prostate Cancer Treatment. Polish Journal of Radiology, 80: 131-141 (2015).
6	E. Manssor, A. Abuderman S. Osman, S. B. Alenezi, S. Almehemeid, E. Babikir, M. Alkhorayef, A. Sulieman. Radiation doses in chest, abdomen

	and pelvis CT procedures, Radiation Protection Dosimetry, 165(1-4):194-198 (2015).
7	M Mahmoud, M Al-Saadi, A Abuderman, K Alzimami, M Alkhorayef, B Almagli, A Sulieman. "To-and-fro" waveform in the diagnosis of arterial pseudoaneurysms. World Journal of Radiology. 7(5): 89-99 (2015).
8	K. Alzimami, A. Sulieman, E. Babikir, K. Alsafi, M. Alkhorayef, Hiba Omer. Estimation of effective dose during hysterosalpingography procedures in certain hospitals in Sudan. Applied Radiation and Isotopes, 100: 2-6 (2015)
9	O. Uwatse, M. Olatunji, M. Khandaker, Y. Amin, D. Bradley, M. Alkhorayef, K. Alzimami. Measurement of Natural and Artificial Radioactivity in Infant Powdered Milk and Estimation of the Corresponding Annual Effective Dose. Environmental Engineering Science. 32(10): 838-846 (2015).
10	M. Mahmoud, M. Alkhorayef, K. Alzimami, M. Aljuhani, A. Sulieman, High-Intensity Focused Ultrasound (HIFU) in Uterine Fibroid Treatment: Review Study, Polish Journal of Radiology, 79: 384-390 (2014).
11	I. Suliman, H. Khamis, T. Ombada, K. Alzimami, M. Alkhorayef, A. Sulieman, Radiation Exposure During Paediatric CT in Sudan: CT Dose, Organ and Effective Doses. Radiation Protection Dosimetry, doi:10.1093/rpd/ncu321, 1-6 (2014).
12	A.M. Maghraby, K.S. Alzimami, M.A. Alkhorayef, K.G. Alsafi, A. Ma, A.A. Alfuraih, A.A. Alghamdi, N.M. Spyrou, Investigation of LaBr3:Ce probe for gamma-ray spectroscopy and dosimetry. Journal of Radiation Physics and Chemistry, 95: 137-140 (2014).
13	K. Alzimami, M. Alkhorayef, N.M. Spyrou, Comparison of Zr-89, I-124, and F-18 Imaging Characteristics in PET Using Gate Monte Carlo Simulations. International Journal of Radiation Oncology*Biology*Physics, 88 (2): 502 (2014).

## Published Research In Scientific Journals (Non- ISI)

Num.	Research title
1	Stol, D. M., Hollander, M., Nielen, M. M., Badenbroek, I. F., Schellevis, F. G., & de Wit, N. J. (2018). Implementation of selective prevention for cardiometabolic diseases; are Dutch general practices adequately prepared?. Scandinavian journal of primary health care, 1-8

## Research titles and Abstracts

<b>Title</b>	Study of hydrophilic materials as tissue equivalent phantoms for positron emission tomography.
<b>Abstract</b>	Positron emission tomography is a nuclear medicine procedure allowing biochemical processes to be investigated by in vivo imaging. Tissue equivalent materials have generated great interest in the diagnosis and treatment of cancer. This study describes the preparation of phantoms and methods employed to determine oxygen levels in cross-linked hydrophilic co-polymers with a view to extend this further for samples at low concentrations of oxygen. The physicochemical characteristics of hydroxyethyl methacrylate and methyl methacrylate/vinyl pyrrolidone were studied by measuring the hydration rate in biological fluids.



<b>Name</b>	Dr. Mohammad Omar Alsubael
<b>Department</b>	Radiological Sciences
<b>Academic Rank</b>	Associated Professor
<b>Nationality</b>	Saudi Arabia
<b>Specialty</b>	Radiology and Medical Imaging
<b>Research scope</b>	Radiology

## ISI Published Research

Num.	Research title
1	G. Alsbeih, M. Torres, N. Al-Harbi, M. Alsubael. Loss of Wild-Type Trp53 Protein in Mouse Fibroblasts Leads to Increased Radioresistance with Consequent Decrease in Repair of Potentially Lethal Damage. Radiation Research. USA. 2004. 161

## Published Research in Scientific Journals (Non- ISI)

Num.	Research title
1	G. Alsbeih, M. El-sebaie, N. Al-rajhi, A. Allam, M. Al-buhairi, N. Al-harbi, Y. Khafaga, M. Alsubael, M. Al-shabanah. Relationship Between Radiosensitivity and Normal Tissue Complications in Saudi Cancer Patients Treated with Radiotherapy. Journal of the Egyptian National Cancer Institute. Egypt. 2004. 164

2	Mohammad O. Alsubael. Survey of Radiographic Services in Saudi Dental Clinics. Egyptian Dental Journal. Egypt. 2004. 50
3	Mohammad O. Alsubael. Predicting Normal Tissue Complications in Radiotherapy. Kasr-El-Aini Journal of Clinical Oncology and Nuclear (Medicine. Egypt. 2006. 2(1
4	Mohammad O. Alsubael. Analysis of X-Ray Film Quality in Primary Health Care Clinics in Riyadh. Journal of Applied Sciences. Pakistan. 2009. 916
5	Mohammad Omar Alsubael and Abd El-Monem Awad Hegazy. Anatomical Variations of The Human Nasal Osteomeatal Complex Studied by CT. Zagazig University Medical Journal. Egypt. 2009. Special Issue.March 22

## Published Research at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Loss of P53 in mice increases their resistance to radiation and reduces their ability to repair .the damage	The 12th International Conference of Radiation .Research	Australia	2003



<b>Name</b>	Ashwag Rafea S Alruwaili
<b>Department</b>	Radiological Sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Medical neuroimaging and image processing
<b>Research scope</b>	Magnetic resonance imaging, Diffusion tensor imaging, structural imaging, fMRI, elastography (MRE), image and data processing

## ISI Published Research

Num.	Research title
1	Screening for cognitive and behavioural impairment in amyotrophic lateral sclerosis: Frequency of abnormality and effect on survival.
2	A combined tract-based spatial statistics and voxel-based morphometry study of the first MRI scan after diagnosis of amyotrophic lateral sclerosis with subgroup analysis.



<b>Name</b>	Othman I Alomair
<b>Department</b>	Radiological sciences department
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Magnetic Resonance imaging
<b>Research scope</b>	Diffusion weighted Imaging, Neuroimaging, Multiple sclerosis, Spinal imaging

## ISI Published Research

Num.	Research title
1	Alomair, OI, Smith, M, Brereton, IM, Galloway, GJ & Kurniawan, ND ,2015In vivo High Angular Resolution Diffusion-weighted Imaging of Mouse Brain at 16.4 Tesla', PLoS ONE, vol.10, no 6, pp e0130-133.

## Published Research In Scientific Journals (Non- ISI)

Num.	Research title
1	Alomair, OI, Smith, M, Brereton, IM, Galloway, GJ & Kurniawan, ND els of 2014, 'Current developments in MRI for assessing rodent mod -.51multiple sclerosis', Future Neurology, vol. 9, no. 4, pp. 487

## Published Research at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	'In vivo High Angular Resolution Diffusion Imaging at 16.4 Tesla'	International society for Magnetic Resonance in Medicine ((ISMRM	Melbourne, Australia	2012
2	'High Resolution Ex-vivo diffusion MRI revealed complex MS pathology in relapsing remitting EAE mouse model'	ISMRM workshop Multiple Sclerosis as whole-brain disease	London, UK	2013
3	'Detection of demyelination of the sensory and motor cortex in a mild EAE mouse model using diffusion weighted MRI'	International society for Magnetic Resonance in Medicine ((ISMRM	Milan, Italy	2014

Name	Rana Hussain Aldahlawi
Department	Radiological sciences
Academic Rank	Assistant professor
Nationality	Saudi
Specialty	Obstetrics and Gynecology ultrasound
Research scope	Ovarian cancer research and pelvic tumors

## Published Research In Scientific Journals (Non- ISI)

Num.	Research title
1	Aldahlawi R, Pugh N. The Use of Texture Analysis on Transvaginal Ultrasound Images in Diagnosing Ovarian Masses: A Prospective Study. J Gynecol Women's Health. 2017; 4(2): 555632. DOI: <a href="https://doi.org/10.19080/JGWH.2017.04.555632">10.19080/JGWH.2017.04.555632</a>



Name	Mohammed Ali Alnafea
Department	Radiologic Sciences
Academic Rank	Assistant Professor
Nationality	Saudi
Specialty	Radiologic and Nuclear Medicine imaging
Research scope	Early Brest Tumour Detections

## ISI Published Research

Num.	Research title
1	M. A. Alnafea "Breast tumor imaging using coded aperture: Monte-Carlo simulation study" Accepted on 28/2\2018 for publication on the 2nd world congress on radiology and oncology.
2	Al-Rabea MW, Alnafea MA, Tamimi WG & Alenzi FQ "Role of T Lymphocytes In Chronic Leukemia", Bangladesh Journal of Medical Science Vol. 16 No. 02 April'17
3	O.M. Kadri, M. A. Alnafea, K.Z. Shamma. "Computation and Parameterization of Normalized Glandular Dose using Geant4". NUCLEAR SCIENCE AND TECHNIQUES 26, 030303 (2015).  M. A. Alnafea, K. Z. Shamma and E. A. Albahkali. Performance assessment of the X-rays imaging system fabricated in King Saud University. Scientific Cooperations International Workshops on Radiology IWR 2015, Istanbul-TURKEY, 21-22 July 2015

4	M. A. Alnafea, O.M. Kadri, K.W. Tearo and K.Z. Shamma. Performance assessment of a digital X-ray imaging system, proposed for 3D-imaging of the uncompressed breast. Journal of Instrumentation, Volume 9, May 2014.
5	Achraf AlFaraj, Asma Sultana Shaik, Mary Angeline Pureza, M. A. Alnafea, Rabih Halwani. Preferential Macrophage Recruitment and Polarization in LPS-Induced Animal Model for COPD: Noninvasive Tracking Using MRI. PLOS ONE Journal, March 2014, Volume 9, Issue 3, e90829.
6	M. A. Alnafea, E.A. Albahkali and K.Z. Shamma. Commissioning and Performance test of locally assembled X-Ray imaging system. IJBPA, June, 2014, 3(6): 906-914.
7	M.A. Alnafea, O.M. Kadri, K.W. Tearo and K.Z. Shamma. Performance assessment of a digital X-ray imaging system, proposed for 3D-imaging of the uncompressed breast. Journal of Instrumentation, Volume 9, May 2014.
8	M. Alkhorayef, K. Alzimami, A. Alfuraih, M. A. Alnafea, N.M. Spyrou. Measurement of three gamma annihilation by lanthanum-based crystals compared with NaI(Tl) and HPGe. J Radioanal Nucl Chem 291:493–496, 2012.
9	K.S. Alzimami, M. A. Alnafea, N.M. Spyrou, "An evaluation and a comparison of 3D-OSEM with resolution recovery (HOSEM) vs flash 3D", published in ESR 2011
10	Alfaraj A and M. A. Alnafea, "Single Walled Carbon Nanotubes (SWCNT) intravenous administration during pregnancy: noninvasive monitoring using MRI: Nano Bio Clean Tech 2011, San Francisco, USA to be presented in the 6th International Congress of Nano • Bio • Clean Tech 2011.
11	A. Al Faraj, B. Al Sayed, M. A. Alnafea, E. Canet-Soulas: Noninvasive MRI monitoring of Single Walled Carbon Nanotubes (SWCNT) intravenous administration during pregnancy: effect of size. Contrast Media Research 2011, Texas, USA.

## Published Research In Scientific Journals (Non- ISI)

Num.	Research title
1	M. A. Alnafea and K. Wells “Monte-Carlo Simulation of Infinia Gamma Camera: A Verification and Validation Process” Nessa J Cancer Sci and Therapy, Volume 1, Issue 7, 1-14, January 2018.
2	M. A. Alnafea, D. Mahboub and K. Wells, “Non-Monte Carlo Methods for Investigating the Application of Coded Aperture Breast Tumour Imaging”, J Cancer Sci Ther 2017, 9:12.
3	M. A. Alnafea, D. Mahboub and K. Wells, “Non-Monte Carlo Methods Investigating of CA Breast Tumour Imaging”, presented on the 2nd World Congress on Medical Imaging and Clinical Research, France, September 2017.
4	A. T. Alotaibi, M. A. Alnafea, “Radiation Dose Awareness Among Radiography Staff”, Austin J Nucl Med Radiother, Vol. 4 Issue 1, 2017.
5	M. A. Alnafea, K. Z. Shamma, and D. Mahboub, “An Overview of Coded Aperture Families Suitable for Imagining with Position Sensitive Detectors”, ICRM, Riyadh, Feb. 2016.
6	K. Z. Shamma, M. A. Alnafea , O. M. Kadri, “Coded Aperture imagining with gamma camera ”, ICRM, Riyadh, Feb. 2016.
7	M. A. Alnafea, K. Z. Shamma, H. I. Aldousari. Performance Assessment of the GE X-ray Fluoroscopy System at King Saud University. Scientific Cooperations International Workshops on Radiology IWR 2014, Ankara-TURKEY, 7-8 June 2014.
8	M. A. Alnafea, E.A. Albahkali and K.Z. Shamma. Commissioning and Performance test of locally assembled X-Ray imaging system. IJBPA, June, 2014, 3(6): 906-914.

## Published Research at Conferences

Numb	Research title	Conference name	Country	Year of publication
1	Breast tumor imaging “using coded aperture: Monte-Carlo”simulation study	the 2nd world congress on radiology and oncology	UAE	.June 2018
2	Non-Monte Carlo “Methods Investigating of CA Breast Tumour”Imaging	nd World 2 Congress on Medical Imaging and Clinical Research	France	September 2017
3	An Overview of “Coded Aperture Families Suitable for Imagining with Position Sensitive”Detectors	ICRM	,Riyadh KSA	.Feb. 2016
4	Coded Aperture “imagining with gamma camera	ICRM	,Riyadh KSA	.Feb. 2016
5	Performance assessment of the X-rays imaging system fabricated in King Saud University. Scientific Cooperations International Workshops on Radiology	IWR 2015	Istanbul-TURKEY	July 2015
6	Performance Assessment of the GE X-ray Fluoroscopy System at King Saud University. Scientific Cooperations	IWR 2014	Ankara-TURKEY	June 2014

	International Workshops on Radiology			
7	Performance and Image Quality Assessment of The 3D X-ray Imaging Systems Proposed for Imaging Uncompressed Breast	IWORID2013		June 2013
8	An evaluation and a " comparison of 3D- OSEM with resolution recovery (HOSEM) vs "flash 3D	ESR 2011	Vienna, Austria	March 2011
9	Single Walled Carbon “ Nanotubes (SWCNT) intravenous administration during pregnancy: noninvasive .monitoring using MRI	the 6th International Congress of Nano, Bio Clean Tech 2011	San Francisco, USA	Nano Bio Clean Tech 2011

## Published Books

Num.	Book title
1	M. A. Alnafea “Detection and Diagnosis of Breast Diseases”, © 2018, .The Author(s). Licenseem InTech
2	M. A. Alnafea “An Innovative Concept of 3D X-Ray Imaging Systems for Painless Breast Cancer Detection”, © 2017, The Author(s). .Licenseem InTech

Name	Areej Saud Aloufi
Department	Radiological sciences
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Diagnostic Imaging
Research scope	Diagnostic Imaging

## ISI Published Research

Num.	Research title
1	AL-Rammah, Tamader Y., Areej S. Aloufi, Saffana K. Algaeed, and Noura S. Alogail. "The prevalence of work related musculoskeletal disorders Among sonographers." Work 57, no. 2 (2017): 211-219



Name	Layal Khalid Jambi
Department	Radiological Sciences
Academic Rank	Lecturer
Nationality	Saudi
Specialty	Nuclear Medicine
Research scope	Medical Imaging Gamma Cameras in

## Published Research In Scientific Journals (Non- ISI)

.Num	Research title
1	J.E. Lees, S.L. Bugby, B.S. Bhatia, <b>L.K. Jambi</b> , M.S. Alqahtani, W.R. McKnight, A.H.Ng, A.C. Perkins. A small field of view camera for hybrid gamma and optical imaging. J. Inst. 9(12):C12020, 2014.
2	<b>L.K. Jambi</b> , J.E. Lees, S.L. Bugby, S. Tipper, M.S. Alqahtani, A.C. Perkins. Evaluation of XRI-UNO detector for nuclear medical imaging. J. Inst. 10(6):P06012, 2015.
3	M.S. Alqahtani, J.E. Lees, S.L. Bugby, <b>L.K. Jambi</b> , A.C. Perkins. Lymphoscintigraphic imaging study for quantitative evaluation of a small field of view (SFOV) gamma camera. J. Inst. 10(7):P07011, 2015.
4	M.S. Alqahtani, J.E. Lees, S.L. Bugby, <b>L.K. Jambi</b> , A.C. Perkins. Quantitative investigation of a novel small field of view hybrid gamma

	camera (HGC) capability for sentinel lymph node detection. The British Journal of Radiology, 2016(89): p. 20160435.
5	S.L. Bugby, <b>L.K. Jambi</b> , J.E. Lees. A comparison of CsI:TI and GOS in a scintillator-CCD detector for nuclear medicine imaging. J. Inst. 11(9):P09009, 2016.
6	Lees, J.E., S.L. Bugby, M.S. Alqahtani, <b>L.K. Jambi</b> , N.S. Dawood, W.R. McKnight, A.H. Ng, and A.C. Perkins, A Multimodality Hybrid Gamma-Optical Camera for Intraoperative Imaging. Sensors (Basel), 2017. 17(3).
7	Aik H. Ng, Patricia E. Blackshaw, Mohammed S. Alqahtani, <b>Layal K. Jambi</b> , Sarah L. Bugby, John E. Lees and Alan C. Perkins. A novel compact small field of view hybrid gamma camera: first clinical results. Nuclear Medicine Communications, 2017. 38(9).

## Published Research at Conferences

Numb	Research title	Conference name	Country	of Year publication
1	A lymphoscintigraphic phantom study using a novel hybrid optical-gamma camera	British Institute of Radiology (BIR) Annual Congress	London, United Kingdom	2014
2	Performance of a hybrid gamma-optical camera for improved utility in diagnostic imaging	British Institute of Radiology (BIR) Annual Congress	London, United Kingdom	2014
3	A method of source-depth estimation using a Hybrid Gamma Camera	British Institute of Radiology (BIR) Annual Congress	London, United Kingdom	2015
4	Investigation of a novel small field of view hybrid compact gamma camera (HCGC) for scintigraphic imaging	European Congress of Radiology (ECR)	Vienna, Austria	2015

5	Development of a small field of view gamma camera for medical imaging	European Congress of Radiology (ECR)	Vienna, Austria	2015
6	A novel compact hybrid optical gamma camera: First clinical results	Society of Nuclear Medicine and Molecular Imaging (SNMMI16)	San Diego, United States	2016
7	A high-resolution hybrid gamma-optical camera for intraoperative imaging	European Association of Nuclear Medicine (EANM) Annual Congress	Barcelona, Spain	2016
8	Portable hybrid gamma-near-infrared fluorescence imaging	European Association of Nuclear Medicine (EANM) Annual Congress	Barcelona, Spain	2016
9	Quantitative analysis of sentinel node detection using a novel small field of view hybrid gamma camera (HGC)	1 <sup>st</sup> European Congress of Medical Physics	Athens, Greece	2016
10	Comparison of columnar and pixelated scintillators for small field of view hybrid gamma camera imaging	IEEE Nuclear Science Symposium, Medical Imaging Conference and Room-Temperature Semiconductor Detector Workshop (NSS/MIC/RTSD)	Strasbourg, France	2016
11	Capability of a novel small field of view hybrid gamma camera (HGC) for sentinel lymph node and small organ imaging	Society of Nuclear Medicine and Molecular Imaging (SNMMI17)	Denver, United States	2017

<b>12</b>	A hand-held hybrid gamma-near-infrared fluorescence imaging camera	Society of Nuclear Medicine and Molecular Imaging (SNMMI17)	Denver, United States	2017
<b>13</b>	Hybrid gamma camera for medical applications	The 11 <sup>th</sup> International Conference on Position Sensitive Detectors	Melton Keynes, United Kingdom	2017
<b>14</b>	Characterisation of a CdTe detector for medical imaging application	The 11 <sup>th</sup> International Conference on Position Sensitive Detectors	Melton Keynes, United Kingdom	2017
<b>15</b>	Development of small field of view hybrid gamma camera for intra-operative imaging	5 <sup>th</sup> International Conference on Radiation Medicine	Riyadh, Saudi Arabia	2018
<b>16</b>	A novel small field of view hybrid gamma camera for scintigraphic imaging	SPIE Medical Imaging Conference	Houston, United States	2018

Name	Saffana Khalid Algaheed
Department	Radiological Sciences
Academic Rank	Demonstrator
Nationality	Saudi
Specialty	Medical Physics
Research scope	Breast imaging

## ISI Published Researches

Num.	Research title
1	AL-Rammah, T. Y., Aloufi, A. S., Algaheed, S. K., & Alogail, N. S. (2017). The prevalence of work-related musculoskeletal disorders among sonographers. <i>Work</i> , 57(2), 211-219.

جامعة  
الملك سعود  
King Saud University



College of Applied Medical Sciences



قسم علوم التأهيل الصحي

Rehabilitation Sciences Department

[www.ksu.edu.sa](http://www.ksu.edu.sa)

## **A Brief Overview of the Rehabilitation Health Sciences Department**

The Department of Rehabilitation Sciences offers a bachelor degree in four programs: physical therapy, speech and language pathology, occupational therapy, and respiratory therapy, as well as a Master of Science degree in physical therapy. Our faculty possess excellent research competence to help prepare students to be effective practitioners and leaders in the field of rehabilitation. The department is proudly known to continuously engage in activities that serve the local community.

## **A Brief Overview of the Speech and Hearing Program**

A communication and swallowing therapist is a specialist in the assessment, diagnosis and treatment of communication disorders (including speech and language disorders, dysfluency, and voice and resonance disorders ) and swallowing disorders in children and adults, as well as early intervention and raising community awareness of speech and swallowing disorders. An audiologist is a specialist who assesses, diagnoses, and manages hearing disorders, tinnitus, balance, and other related disorders, for adults, children and new-borns. He is the specialist in charge of dispensing and programming hearing aids and cochlear implants. He also educates the society about how to prevent hearing impairment. Both are qualified to work and provide services in the health sector (hospitals, rehabilitation centers) and the educational sector (public and private schools).

### **Research scope includes the followings:**

- Speech Language Patholog
- Development of communication in Saudi children
- Developmental language impairments in Saudi children
- Articulation and phonological disorders in Saudi children
- Adult acquired neurogenic communication disorders
- Cognitive Disorders.
- Communication disorders in bilingual speakers (Arabic and English)

- Pre-literacy and written language skills in school-age children & adolescents
- Voice parameters and voice disorders in Saudi Arabic Speakers
- Aural rehabilitation
- Dysfluency disorders
- Feeding and swallowing disorders.
- Nasality and resonance disorders in n cleft lip and plate population

## Audiology program

- Hearing loss and different measures of assessment
- Behavioral hearing assessment
- Noise induced hearing loss
- Auditory Neuropathy
- Middle ear measurements
- Auditory evoked potentials
- Cochlear implants
- Assistive listening devices
- Tinnitus
- Hearing aids and signal processing
- Balance assessment and rehabilitation of vestibular disorders

<b>Name</b>	Dr. Aseel Alkhamees
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Audiology
<b>Research scope</b>	Aural rehabilitation, auditory perception.

<b>Name</b>	Dr. Aseel Alkadhi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Language and communication sciences
<b>Research scope</b>	Language acquisition, assessment and treatment of children's language disorders.

<b>Name</b>	Dr. Arwa AlJasser
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Audiology
<b>Research scope</b>	Auditory neuroscience

## Published Researches in Scientific Journals (Non- ISI)

<b>Num.</b>	<b>Research title</b>
<b>1</b>	Azadpour, M., <b>AlJasser, A.</b> and McKay, C.M., <b>2013</b> . Place specificity measured in forward and interleaved masking in cochlear implants. The Journal of the Acoustical Society of America, 134(4), pp.EL314-EL320

<b>Name</b>	Dr. Jehan Abdullah AlSalmi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Audiology
<b>Research scope</b>	Pediatric audiology, cochlear implants, auditory visual integration

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	The effect of native Language on Auditory Visual Integration	Graduate Seminar	Leeds, United Kingdom	2012
2	Development of the N1 Cortical Auditory Evoked Potential in Children with Cochlear Implants	Graduate Seminar	Dallas, Texas, United States of America.	2007

<b>Name</b>	Dr. Lamya AlAbdulkarim
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Pathology
<b>Research scope</b>	Metrics development and standardization.

## Published Researches in Scientific Journals (Non- ISI)

<b>Num.</b>	<b>Research title</b>
<b>1</b>	Al-Abdulkarim,L. (2015). The Role of Speech-Language Pathologists and Audiologists in the Schools in Saudi Arabia. International Journal of Health and Economic Development, 1(2), 62-69, July 2015

## Published Researches at Conferences

<b>Num.</b>	<b>Research title</b>	<b>Conference name</b>	<b>Country</b>	<b>Year of publication</b>
<b>1</b>	Students' Attitudes and Satisfaction towards Blended Learning in the Health Sciences.	International Conference on Advances in Education and Social Sciences.	Istanbul, Turkey	2015
<b>2</b>	Blended Learning in Teaching Research to Undergraduate Students in the Health Sciences	Athens institute for education and research 12th annual conference in Mediterranean studies	Athens, Greece	2015
<b>3</b>	Female Students' Attitudes and Motivation about LMS	2014 ISIS - Key West International Multidisciplinary Academic Conference: Promoting Global Progress and Excellence in Academia	Orlando, United States of America	2014
<b>4</b>	Student's perceptions and	Site conference society	Jacksonville,	2014

	motivations using LMS in learning.	for information technology and teacher education	United States of America	
5	Physician-Patient Relationship: a Workshop Outcome.	International Conference and Exhibition on Physical Medicine & Rehabilitation from	Las Vegas, United States of America	2013
6	Evaluation of Language Disorders: Preschool	Jeddah Institute for Speech and Hearing Conference	Jedddah, Saudi Arabia.	2013
7	Children's Development of Arabic Inflectional morphology: a Diagnostic Tool.	Conference of the International Journal of Arts and Sciences	United States of America	2013
8	The Development of a Diagnostic Evaluation in Speech Pathology.	5th International Academic Conference,	Buenos Aires, Argentine	2013
9	Online learning strategies: cost effective, accessible quality education.	The mission of the Global Learn Asia Pacific Conference, organized by the Association for the Advancement of Computing in Education	Melbourne, Australia.	2011
10	Prevalence of Adult Neuropathologies at King Khalid University Hospital, Riyadh, Saudi Arabia.	The American Speech-Language and Hearing Association Convention,	Chicago, United States of America	2008
11	Development of Dual & Plural Morphemes in Saudi Arabic.	The American Speech-Language and Hearing Association Convention,	Chicago, United States of America	2008
12	Experimental Crosslinguistic Constructions reveal Universal Principles in Language Acquisition.	The eighth Tokyo Conference on Psycholinguistics (TCP2007),	Keio, Japan	2007
13	Predictors of consonant cluster reduction in African American English	Asha national convention,	Atlanta, United States of America	2002
14	Strategy planning to improve productivity of	American Speech and Hearing Association	Atlanta, United States	2002

	hospital-based SLP's.	National Convention	of America	
15	The copula in African American English: a realization of universal principles.	The symposium on acquiring the unique features of African American English at the joint conference of the IX International Congress	Wisconsin, United States of America	2002
16	Why is child language different from adult.	Asha national convention	New Orleans, United States of America	2001
17	Consonant cluster reduction in AAE	The Child Phonology Conference	Boston, United States of America	2001
18	A Phonological Analysis of Consonant Cluster Reduction in African American English	The Memphis Research Symposium,	Memphis, United States of America	2000
19	What do children know about negative WH questions?	American Speech and Hearing Association Convention	Boston, United States of America	1997
20	Semantic or syntax for negative islands in language acquisition.	Conference on Language Development	Boston, United States of America	1997
21	Determiner phrase in VP ellipsis in Arabic child grammar.	A paper presented in a seminar session at the Tenth Annual Symposium on Arabic Linguistics	Salt Lake, United States of America	1996
22	Ellipsis as a mirror of case and agreement principles in language acquisition	Ninth Annual Symposium on Arabic Linguistics	Washington, D.C, United States of America	1995
23	Comprehension of grammatical morphemes in African American English: a case study.	American Speech and Hearing Association Convention	Anaheim, United States of America	1993

<b>Name</b>	Alhanouf Almoammer
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Pathology
<b>Research scope</b>	Cognitive neurolinguistics

## Published Researches in scientific Journals (Non- ISI)

<b>Num.</b>	<b>Research title</b>
1	Almoammer, A., Sullivan, J., Donlan, C., Marušič, F., O'Donnell, T., & Barner, D. (2013). Grammatical morphology as a source of early number word meanings. Proceedings of the National Academy of Sciences, 110(46), 18448-18453.

<b>Name</b>	Dalia Abdulkader
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Language Pathology
<b>Research scope</b>	Phonological development, Cleft Speech Disorders

<b>Name</b>	Ghada Taj AlDeen Amin Najmaldeen
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech language pathology
<b>Research scope</b>	Phonological awareness, literacy

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	An investigation of socioeconomic effects on phonological awareness and lexical retrieval in Saudi children	Newcastle Child Language Seminar	Newcastle, United Kingdom	2011
2	An investigation of socioeconomic effects on phonological awareness and lexical retrieval in Saudi children	International Child Phonology Conference	York, United Kingdom	2011
3	Development of a Test Battery for Assessing Phonological Awareness in Saudi Speaking children	"Manchester Child Language Seminar	Manchester, United Kingdom	2013

<b>Name</b>	Tahani Fahad Alothman
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Audiology
<b>Research scope</b>	Industrial audiology, balance and vestibular assessment

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	"cVEMP: selecting the appropriate methodology to control sternocleidomastoid muscle contraction variability"	iCAN (International conference for audiology and neurology)	Riyadh, Kingdom of Saudi Arabia	2015
2	"cVEMP: selecting the appropriate methodology to control sternocleidomastoid muscle contraction variability".	Applied Medical Sciences College, KSU	Riyadh, Kingdom of Saudi Arabia	2014
3	"Cervical evoked myogenic potentials (cVEMPs) normative data in adults: Selecting the appropriate methodology to control sternocleidomastoid muscle Contraction"	Faculty of Health and Medicine (FHM) Conference, University of Leeds	Leeds, United Kingdom	2014
4	"The effect of noise on balance function: a preliminary data finding"	Post –graduate research (PGR) student conference	Leeds, United Kingdom	2011

<b>Name</b>	Wedad Hudaib Alhudaib
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Audiology
<b>Research scope</b>	Audiological Sciences

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Closeness of hearing aid fittings to prescription targets for a population of pre-school hearing impaired children in the UK	iCAN (International conference for audiology and neurology)	Riyadh, Kingdom of Saudi Arabia	2015

<b>Name</b>	Hala Almaymoni
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Language therapist
<b>Research scope</b>	Adult acquired neurogenic communication disorders

<b>Name</b>	Nora Fahad AlSudairi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Communication, Feeding and Swallowing Disorders
<b>Research scope</b>	Feeding and swallowing disorders, linguistic adaptation of tools

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Arabic Cross-Cultural Adaptation of the Functional Assessment of Communication Skills for Adults (ASHA-FACS)	The 1 <sup>st</sup> Saudi Conference of Hearing and Speech	Riyadh, Kingdom of Saudi Arabia	2015

<b>Name</b>	Nora AlMatesh
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Language therapist
<b>Research scope</b>	Developmental speech and language disorders, and swallowing and feeding disorders

<b>Name</b>	Rima AlHaidar
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Speech Language Pathology
<b>Research scope</b>	Developmental Language Disorders

<b>Name</b>	Zakiyah Ahmed Alsiddiqi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Communication Sciences disorders
<b>Research scope</b>	Pediatric language impairment, language development & language delay

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Making Progress with the MLG Approach in an Individual with Multiple Speech and Language Impairments	ASHA Convention, Orlando Florida	Orlando, Florida, United States of America	2014

## **A Brief Overview of the Physical Therapy Program**

Physical therapists are health care professionals who assess, diagnose, and treat individuals of all ages, from newborns to the geriatrics, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives. They also work at raising awareness about work injuries or sports injuries and promote healthy lifestyles for all. They are qualified to work and provide services in the health sector (hospitals, rehabilitation centers) the educational sector (public and private schools), and sport and fitness facilities .

### **Research Scope includes the followings:**

- Orthopedic /Musculoskeletal
- Pediatric rehabilitation
- Geriatrics rehabilitation
- Assessment and treatment of neurological
- Assessment and treatment of cardiac patients
- Assessment and treatment of sport injuries
- Robotics and neuro-rehabilitation
- Neuroplasticity and neuroradiology indicators

<b>Name</b>	Dr. Einas Sulaiman Al-Eisa
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Physical Therapy
<b>Research scope</b>	Low back pain, physical activity and women's health

## ISI Published Researches

Num.	Research title
1	Al-Eisa et al. (2015). Predictors of global job satisfaction among Saudi physiotherapists: A descriptive study. <i>Annals of Saudi Medicine</i> ; 35(1): 46-50.
2	Al-Eisa E, Buragadda S, & Melam GR (2014) Association between physical activity and psychological status among Saudi female students. <i>BMC Psychiatry</i> , 14:238.
3	Zafar H, Alghadir A, Anwer S, & Al-Eisa E (2015). Therapeutic Effects of Whole-Body Vibration Training in Knee Osteoarthritis: A Systematic Review and Meta-Analysis. <i>Archives of Physical Medicine and Rehabilitation</i> ; 96:1525-32.
4	Al-Eisa E & Al-Abbad H (2013). Occupational Back Pain among Rehabilitation Nurses in Saudi Arabia: The Influence of Knowledge and Awareness. <i>Workplace Health &amp; Safety</i> ; 61(9):401-407.
5	Al-Eisa E & Al-Khudeir R (2013). Applicability of the Pediatric Evaluation of Disability Inventory among Saudi children. <i>Disability and Rehabilitation</i> ; 36(8): 658-664.
6	Al-Eisa E, Buragadda S, & Melam GR (2013). Effect of therapy ball seating on learning and sitting discomfort among Saudi female students. <i>BioMed Research International</i> ; 153-165.
7	Al-Eisa E (2010). Indicators of adherence to physiotherapy attendance among Saudi Female patients with mechanical low back pain: a clinical audit. <i>BMC Musculoskeletal Disorders</i> ; 11:124.

8	Al-Eisa E, Egan D, Deluzio K, & Wassersug R (2006). Effects of pelvic asymmetry on trunk kinematics during sitting: A comparison with standing. <i>Spine</i> ; 31(5): E135-143.
9	Al-Eisa E, Egan D, Deluzio K, & Wassersug R (2006). Effects of pelvic skeletal asymmetry on trunk movement: Three-dimensional analysis in healthy individuals versus patients with mechanical low back pain. <i>Spine</i> ; 31(3): E71-79.
10	Al-Eisa E, Egan D, & Wassersug R (2004). Fluctuating asymmetry and low back pain. <i>Evolution and Human Behavior</i> ; 25: 31-37.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Al-Ghadir A, Gabr S, & Al-Eisa E (2015). Assessment of the effects of glutamic acid decarboxylase antibodies and trace elements on cognitive performance in older adults. <i>Clinical Interventions in Aging</i> ; 10: 1901–1907.
2	Al-Ghadir A, Gabr S, & Al-Eisa E (2015). Physical activity and lifestyle effects bone mineral density among young adults: sociodemographic and biochemical analysis. <i>Journal of Physical Therapy Science</i> ; 27: 2261–2270.
3	Al-Rashed L & Al-Eisa E (2015). Effectiveness of Non-Pain-Contingent Spine Rehabilitation in Females with Chronic Low Back Pain: A Randomized Controlled Trial. <i>International Journal of Physical Medicine &amp; Rehabilitation</i> ; 3:260. doi:10.4172/2329-9096.
4	Al- Eisa E et al. (2013). Association between Physical Activity and Insomnia among Saudi female college students. <i>Journal of Physical Therapy Science</i> ; 25:1479–1482.
5	Al-Eisa E, Alghadir A, Hamzeh A, & Alghwiri A (2014). Diabetes risk 10 years forecast in the capital of Saudi Arabia: Canadian Diabetes Risk Assessment Questionnaire (CANRISK) Perspective. <i>Biomedical Research</i> ; 25 (1):88-96.
6	Al-Sobayel H, Al-Eisa E, Buragadda S, & Melam GR (2014). Rehabilitation Services in Saudi Arabia: An Overview of its Current Structure and Future Challenges. <i>Journal of General Practice</i> ; 2(6): doi.org/10.4172/2329-9126.1000184.
7	Al-Eisa E & Smith L (2013). Governance in Saudi Higher Education. Book Chapter in: Smith L & Abouammoh A (eds); <i>Higher Education in Saudi Arabia</i> , Volume 40 of the series Higher Education Dynamics; pp 27-35, Springer Science.

8	Al-Eisa E et al. (2012). Work related musculoskeletal disorders: Causes, prevalence and response among Egyptian and Saudi physical therapists. <i>Middle-East Journal of Scientific Research</i> ; 12(4):523-529.
9	Al-Eisa E & Al-Sobayel H (2012). Physical Activity and health beliefs among Saudi women. <i>Journal of Nutrition &amp; Metabolism</i> ; 10.1155/2012/642187.
10	Al-Eisa E, Al-Aqeel S, Al-Sobayel H (2009). Governance in Higher Education: The Saudi Arabian Model. <i>Center of Higher Education Research and Studies</i> . Ministry of Higher Education: Riyadh, Saudi Arabia.
11	Al-Eisa E, Egan D, & Fenety A (2004). The association between lateral pelvic tilt and asymmetry in sitting pressure distribution. <i>Journal of Manual and Manipulative Therapy</i> ; 12: 133-142.
12	Al-Eisa E, Fenety A, Egan D, & Crouse J (2000). Measurement of sitting pressure under the ischium: A reliability study. In: Winters J, editor. <i>Technology of the New Millennium</i> . Proceedings of the RESNA 2000 Annual Conference. Arlington (VA): RESNA Press; 357-359.
13	Egan D, & Al-Eisa E (1999). Pelvic skeletal asymmetry, postural control, and the association with low back pain: A review of the evidence. <i>Critical Reviews in Physical and Rehabilitation Medicine</i> ; 11: 299-338.

<b>Name</b>	Dr. Mohammed Taher Ahmed Omar
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Associate professor
<b>Nationality</b>	Egyptian
<b>Specialty</b>	Rehabilitation and disability
<b>Research scope</b>	The main them of my research interest is related to musculoskeletal disability and oncology rehabilitation, including assessment and treatment of its related complications and ability to use different therapeutic and exercises, along with assessment and treatment of disability conditions such as obesity low back pain, burn and breast cancer related disability and rehabilitation such as lymphedema and use of various outcome measurements and quality of life related to these conditions

## ISI Published Researches

Num.	Research title
1	Mohammed Taher Ahmed Omar, Ahmad Alghadir. Norms for hand grip strength in children aged 6–12 years in Saudi Arabia. Dev Neurorehabil 2015; 18(1):59-64.
2	A Alghadir, MTA Omar, AB Al-Askar, NK Al-Muteri Effect of low-level laser therapy in patients with chronic knee osteoarthritis: a single-blinded randomized clinical study Lasers in medical science 2014; 2011;29 (2), 749-755
3	MTA Omar, A Alghadir, KK Al-Wahhabi, AB Al-Askar. Efficacy of shock wave therapy on chronic diabetic foot ulcer: a single-blinded randomized controlled clinical trial. Diabetes research and clinical practice 2014;106 (3), 548-554
4	AAM Shaheen, MTA Omar, H Vernon. Cross-cultural adaptation, reliability, and validity of the Arabic version of neck disability index in patients with neck pain. Spine 2013;38 (10), E609-E615.
5	MTA Omar, AAM Shaheen, H Zafar. A systematic review of the effect of low-level laser therapy in the management of breast cancer-related lymphedema Supportive care in cancer 2012;20 (11), 2977-2984
6	Mohammed T.A. Omar, Fatma A. Hegazy . Influences of purposeful activity versus rote exercise on improving pain and hand function in pediatric burn. Burns 2012;38, 261-268
7	Anwar A. Ebid, Mohammed T.A. Omar Effect of 12-week isokinetic training on muscle strength in adult with healed thermal burn. Burns 2012;38, 61-68
8	Anwar Abdelgayed Ebid, Mohamed Taher Ahmed, Marwa Mahmoud Eid Effect of whole body vibration on leg muscle strength after healed burns: A randomized controlled trial. Burns 2012;38, 1019-1026

9	MTA Omar, AAELG Ebid, AM El Morsy Treatment of post-mastectomy lymphedema with laser therapy: double blind placebo control randomized study. Journal of Surgical Research 2011;165 (1), 82-90
10	MTA Omar, AA Hassan Evaluation of hand function after early excision and skin grafting of burns versus delayed skin grafting: a randomized clinical trial. Burns 2011;37 (4), 707-713
10	AA Mohammed Taher AHMED, Ashraf Hassan MOHAMMED. Effect of Pelvic Floor Electrical Stimulation and Biofeedback on the Recovery of Urinary Continence after Radical Prostatectomy. Turk J Phys Med Rehab 2010;58, 170-176
11	MT Ahmed Effect of Transcutaneous Electrical Nerve Stimulation on Postoperative Pain after Inguinal Hernia Repair: A Randomized Placebo-Controlled Trial. Turk J Phys Med Rehab 2010;56, 170-176

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	IS Waked, SH Nagib, <b>MT Omar</b> . A Single Blinded Randomized Controlled Clinical Trial on the Efficacy of Ozone Therapy on Breast Cancer-Related Lymphedema. Cancer and Clinical Oncology 2013;2 (2), 93
2	<b>Mohammed Taher Ahmed</b> , Ahmad Mohamed El-Morsy Effect of exercise on functional independence after abdominal surgery in the elderly. Indian Journal of Physiotherapy and Occupational Therapy 2009; 3 (3), 49
3	<b>MT Omar</b> , AM El-Badawy, WH Borhan, A Nossier. Improvement of edema and hand function in superficial second degree hand burn using electrical stimulation. Egypt J Plast Reconstr Surg 2004;28 (2), 141-6

## Published Researches Abstracts at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	<b>M.T.A, O., H. FA, and M. SP</b> , "Influences of purposeful activity versus rote exercise on improving pain and hand function in pediatric burn. Burns, 2012; 38:361-368.	2nd Saudi occupational therapy conferences	Saudi Arabia,	2014
2	<b>O. M.T, and A. E. B. AM.</b> , "Effect of 12-week isokinetic training on muscle strength in	Saudi Physical Therapy Conference 2010"	Saudi Arabia,	2010

	adult with healed thermal burn", Burns, 2012; 38 (1) : 61-68.	Held at Department of Physical Therapy, Collage of Applied Medical Science, University of Dammam,		
3	<b>MT, A. O.,</b> A. E. G. E. A, and E. M. AM. Treatment of post-mastectomy lymphedema with laser therapy: double blind placebo control randomized study. J Surg Res, 2011; 185, (1): 82-90.	Laser International Medical Application Conference,	Saudi Arabia	<b>2010</b>
4	<b>AA Mohammed Taher AHMED,</b> Ashraf Hassan MOHAMMED. Effect of Pelvic Floor Electrical Stimulation and Biofeedback on the Recovery of Urinary Continence after Radical Prostatectomy. Turk J Phys Med Rehab 2010;58, 170-176	22nd Saudi Urological conference"	Saudi Arabia,	<b>2010</b>
5	<b>Ahmed, M. T.</b> Effect of Transcutaneous Electrical Nerve Stimulation on Postoperative Pain after Inguinal Hernia Repair: A Randomized Placebo-Controlled Trial. Turk J Phys Med, 2010; 56: 170-176	12th General Organization for Teaching Hospital and Institute Conference,	<b>Egypt</b>	<b>2008</b>
6	Treatment of Post Mastectomy Lymphedema with Exercises and Compression Garment versus Compression Garment"	The 7th international Scientific Conference of Faculty of Physical Therapy	<b>Egypt</b>	<b>2004</b>

## Published Books

Num.	Book title
1	<b>Omar, M. T. A.,</b> F. A. Hegazy, and S. P. Mokashi, "Influences of purposeful activity versus rote exercise on improving pain and hand function in pediatric burn in Year Book in Sports Medicine 2012", Year Book in Sports Medicine 2012: Mosby, 2012



<b>Name</b>	Dr. Hamayun Zafar
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Associate Professor
<b>Nationality</b>	Swedish
<b>Specialty</b>	Physical Therapy
<b>Research scope</b>	Motor & postural control; temporomandibular joint function, dysfunction & pain; neck function, dysfunction & pain; whiplash injuries

## ISI Published Researches

Num.	Research title
1	Alghadir, A. H., Zafar, H., & Iqbal, Z. A. (2015). Effect of tongue position on postural stability during quiet standing in healthy young males. <i>Somatosensory &amp; motor research</i> , 32(3), 183-186.
2	Zafar, H., Alghadir, A., Anwer, S., & Al-Eisa, E. (2015). Therapeutic effects of whole-body vibration training in knee osteoarthritis: a systematic review and meta-analysis. <i>Archives of physical medicine and rehabilitation</i> , 96(8), 1525-1532.
3	Alghadir, A., Zafar, H., Whitney, S. L., & Iqbal, Z. (2015). Effect of chewing on postural stability during quiet standing in healthy young males. <i>Somatosensory &amp; motor research</i> , 32(2), 72-76.
4	Zafar, H., Oluseye, K., Alghadir, A., & Iqbal, Z. A. (2015). Perception about the importance and use of therapeutic massage as a treatment modality among physical therapists working in Saudi Arabia. <i>Journal of physical therapy science</i> , 27(6), 1827-1831.
5	Alghadir, A., Zafar, H., Iqbal, Z. A., & Anwer, S. (2015). Physical therapy education in Saudi Arabia. <i>Journal of physical therapy science</i> , 27(5), 1621-1623.
6	Alghadir, A., Zafar, H., & Iqbal, Z. A. (2015). Work-related musculoskeletal disorders among dental professionals in Saudi Arabia. <i>Journal of physical therapy science</i> , 27(4), 1107-1112.
7	Alghadir, A. H., Zafar, H., & Iqbal, Z. A. (2015). Effect of three different jaw

	positions on postural stability during standing. <i>Functional neurology</i> , 30(1), 53.
8	Nordh, E., Birkegaard, A., Lundin, A., Karlsson, M., & Zafar, H. (2013). The validity and repeatability of kinematic motor testing according to the 'posturo-locomotion-manual test'. <i>Movement Disorders</i> , 28, 115.
9	Omar, M. T. A., Shaheen, A. A. M., & Zafar, H. (2012). A systematic review of the effect of low-level laser therapy in the management of breast cancer-related lymphedema. <i>Supportive care in cancer</i> , 20(11), 2977-2984.
10	vanDoorn, J., Nordh, E., & Zafar, H. (2012, June). Stimulation of caudal zonaincerta in Parkinson's disease: Effects on jaw movement during speech. In <i>MOVEMENT DISORDERS</i> (Vol. 27, pp. S170-S171). 111 RIVER ST, HOBOKEN 07030-5774, NJ UNITED STATES OF AMERICA : WILEY-BLACKWELL.
11	Alghadir, A., Aly, F., & Zafar, H. (2012). Sex-based differences in lung functions of Saudi adults. <i>Journal of Physical Therapy Science</i> , 24(1), 5-9.
12	Alghadir, A. H., Aly, F., & Zafar, H. (2012). Effect of face veil on ventilatory function among Saudi adult females.
13	Karlsson, F., Unger, E., Wahlgren, S., Blomstedt, P., Linder, J., Nordh, E., Zafar, H., & van Doorn, J. (2011). Deep brain stimulation of caudal zonaincerta and subthalamic nucleus in patients with Parkinson's disease: effects on diadochokinetic rate. <i>Parkinson's disease</i> , doi: 10.4061/2011/605607
14	Lundgren, S., Saeys, T., Karlsson, F., Olofsson, K., Blomstedt, P., Linder, J., Zafar, H., & van Doorn, J. (2011). Deep brain stimulation of caudal zona incerta and subthalamic nucleus in patients with Parkinson's disease: effects on voice intensity. <i>Parkinson's disease</i> . doi: 10.4061/2011/658956
15	Eriksson, P. O., Häggman-Henrikson, B., & Zafar, H. (2007). Jaw-neck dysfunction in whiplash-associated disorders. <i>Archives of oral biology</i> , 52(4), 404-408.
16	Häggman-Henrikson, B., Nordh, E., Zafar, H., & Eriksson, P. O. (2006). Head immobilization can impair jaw function. <i>Journal of dental research</i> , 85(11), 1001-1005.
17	Zafar, H., Nordh, E., & Eriksson, P. O. (2006). Impaired positioning of the gape in whiplash-associated disorders. <i>Swedish dental journal</i> , 30(1), 9-15.
18	Eriksson, P. O., Zafar, H., & Häggman-Henrikson, B. (2004). Deranged jaw-neck motor control in whiplash-associated disorders. <i>European journal of oral sciences</i> , 112(1), 25-32.
19	Ikeda, K., Zafar, H., & Eriksson, P.O. (2004) Head-neck behavior during swallowing. <i>Nihon Kyosei Shika Gakkai Taikai Puroguramu</i> , Shokushu 63. 100-101.
20	Zafar, H., Nordh, E., & Eriksson, P. O. (2002). Spatiotemporal consistency of human mandibular and head-neck movement trajectories during jaw opening-closing tasks. <i>Experimental brain research</i> , 146(1), 70-76.
21	Häggman-Henrikson, B., Zafar, H., & Eriksson, P. O. (2002). Disturbed jaw behavior in whiplash-associated disorders during rhythmic jaw movements. <i>Journal of dental research</i> , 81(11), 747-751.
22	Zafar, H., Nordh, E., & Eriksson, P. O. (2000). Temporal coordination between

	mandibular and head-neck movements during jaw opening-closing tasks in man. Archives of oral biology, 45(8), 675-682.
23	Eriksson, P. O., Häggman-Henrikson, B., Nordh, E., & Zafar, H. (2000). Co-ordinated mandibular and head-neck movements during rhythmic jaw activities in man. Journal of dental research, 79(6), 1378-1384.
24	Zafar, H., Eriksson, P. O., Nordh, E., & Häggman-Henrikson, B. (2000). Wireless optoelectronic recordings of mandibular and associated head-neck movements in man: a methodological study. Journal of oral rehabilitation, 27(3), 227-238.
25	Häggman-Henrikson, B., Eriksson, P. O., Nordh, E., & Zafar, H. (1998). Evaluation of skin-versus teeth-attached markers in wireless optoelectronic recordings of chewing movements in man. Journal of oral rehabilitation, 25(7), 527-534.
26	Eriksson, P. O., Zafar, H., & Nordh, E. (1998). Concomitant mandibular and head-neck movements during jaw opening-closing in man. Journal of oral rehabilitation, 25(11), 859-870.
27	Nordh, E., Eriksson, P. O., Al-Falahe, N., & Zafar, H. (1996). Spatial Activation Maps—Bioelectric Signals Related to 3D Recorded Movements. NeuroImage, 3(1), 63-68.

## Published Researches In Scientific Journals (Non- ISI)

Num.	Research title
1	Ikeda, K., Zafar, H., & Eriksson, P.O. (2004) Head-neck behavior during swallowing. Nihon KyoseiShikaGakkaiTaikaiPuroguramu, Shokushu 63:100-101.
2	Nordh, E., <b>Zafar, H.</b> , & Eriksson, P.O. (2000) Funktionell anatomioc hreflex mekanisme rinom människans nacke och hals. <i>Rapport för Vägverket</i> . (in Swedish)
3	Al-Turaiki, M., & <b>Zafar, H.</b> (1990). Review of Brachial Plexus Injuries and Management: Brachial Plexus Injuries at Riyadh Medical Rehabilitation Centre, Saudi Arabia. <i>JCRPO Journal</i> , 1, 5-25.
4	Al-Turaiki, M., Al-Falahi, L., & <b>Zafar, H.</b> (1990). Gait Characteristics of Residual Infantile Paralysis. <i>Journal of Pakistan Orthopaedic Society</i> , 1 (2), 122-127.
5	<b>Zafar, H.</b> , Al-Turaiki, M., & Al-Falahi, L. (1990). Physical Therapy for the lower limb amputee. <i>JCRPO Journal</i> , 1, 155-190.

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Influence of the jaw sensorimotor system on postural control during standing.	26th Store Kro Club Conference	Germany	2009
2	Improved standing balance in neck and jaw musculoskeletal disorders by intervention in jaw function.	IWTC	UNITED STATES OF AMERICA	2007
3	Can neck injury impair jaw function?	Svensk Förening för Bettfysiologi	Iceland	2003

## Published Books

Num.	Book title
1	Eriksson, P.O., & <b>Zafar, H.</b> (2007). Cervico-Cranio-Mandibular Disorders. In: Conn's Current Therapy. Eds: Rakel & Bope. Philadelphia; Saunders Elsevier. pp 1143-1148.
2	Eriksson, P.O., & <b>Zafar, H.</b> (2006). Temporomandibular disorders. In: Conn's Current Therapy. Eds: Rakel & Bope. Philadelphia; WB Saunders. pp 1197-1202.
3	Eriksson, P.O., <b>Zafar, H.</b> (2005). Musculoskeletal Disorders in the Jaw-Face and Neck. In: Conn's Current Therapy. Eds: Rakel & Bope. Philadelphia; WB Saunders. pp 1128-1133.
4	<b>Zafar, H.</b> , Eriksson, P.O., Nordh, E., & Al-Falahe, N. (1995). Coordinated human jaw and head-neck movements during natural jaw opening-closing: reproducible movement patterns indicate linked motor control. In: Alpha and gamma motor systems. Taylor A, Gladden M, Durbaba R, editors. New York, Plenum Press, pp. 502-504.
5	Nordh, E., Al-Falahe, N., <b>Zafar, H.</b> , & Eriksson, P.O. (1995). "Spatial activation maps" of human alpha-motoneurons in relation to three-dimensionally recorded movements. In Alpha and Gamma Motor Systems. Taylor A, Gladden M, Durbaba R, editors. New York, Plenum Press, pp. 544-546.



<b>Name</b>	<b>Dr. Adel A. Alhusaini</b>
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Pediatrics PT
<b>Research scope</b>	Pediatrics PT

## ISI Published Researches

Num.	Research title
1	Melam, G. R., Buragadda, S., Alhusaini, A., Alghamdi, M. A., Alghamdi, M. S., & Kaushal, P. (2014). Effect of different positions on FVC and FEV1 measurements of asthmatic patients. Journal of physical therapy science, 26(4), 591-593.
2	Buragadda, S., Alhusaini, A. A., Melam, G. R., & Arora, N. (2015). Effect of complete decongestive therapy and a home program for patients with post mastectomy lymphedema. Journal of physical therapy science, 27(9), 2743-2748.

## Published Researches in Scientific Journals (Non- ISI)

Num.	Research title
1	Melam, G., Buragadda, S., Alhusaini, A., Ibrahim, A. I., & Kachanathu, S. J. (2014). Gender differences in static and dynamic postural stability parameters in community dwelling healthy older adults. Middle East J Sci Res, 22, 1259-64.
2	Melam, G. R., Buragadda, S., Alhusaini, A., & Dhamija, P. (2014). Reaction and Movement Time in Down syndrome Children under Different Visual Feedback Conditions. J Nov Physiother, 4(222), 2.

## Published Books

Num.	Book title
1	PUBLISHED CHAPTERS lhusaini, A. A. (2014) <i>Functional effects of neural impairments &amp; subsequent adaptations in cerebral palsy</i> . In Roberta B. Shepherd (Ed.), <i>Cerebral Palsy In Infancy: Targeted Activity To Optimize Early Growth And Development</i> (pp. 87-106). Elsevier Health Sciences
2	PUBLISHED CHAPTERS Alhusaini, A. A. (2014) <i>Annotation B: Findings from a series of studies of passive mechanical properties of muscle in young children with cerebral palsy</i> . In Roberta B. Shepherd (Ed.), <i>Cerebral Palsy In Infancy: Targeted Activity To Optimize Early Growth And Development</i> (pp. 107-114). Elsevier Health Sciences

<b>Name</b>	Dr. Afaf Ahmed Mohamed Shaheen
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant professor
<b>Nationality</b>	Egyptian
<b>Specialty</b>	Physical therapy
<b>Research scope</b>	Exercise physiology and rehabilitation

## Published Researches In scientific Journals

<b>Num.</b>	<b>Research title</b>
<b>1</b>	Al-Asiri, Z. A., & Shaheen, A. A. (2015). Body mass index and health related physical fitness in Saudi girls and adolescents aged 8-15 years. Open Journal of Therapy and Rehabilitation, 3(04), 116.



<b>Name</b>	Dr. Ali Hamad Alnahdi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Physical Therapy
<b>Research scope</b>	<ul style="list-style-type: none"> <li>-Interrelationships between impairments, functional limitations and participation restrictions in patients with musculoskeletal dysfunctions.</li> <li>-Examining the effect of manual physical therapy interventions in patients with musculoskeletal dysfunctions.</li> <li>-Development and validation of patient-reported outcome measures using classical and modern measurement theories.</li> </ul>

## ISI Published Researches

<b>Num.</b>	<b>Research title</b>
1	Alnahdi AH. Outcome measures capturing ICF domains in patient with total knee arthroplasty. Int J Rehabil Res 2014;37:281-9.
2	Alnahdi AH, Alderaa AA, Aldali AZ, Alsobayel H. Reference values for the Y Balance Test and the lower extremity functional scale in young healthy adults. J Phys Ther Sci 2015;27:3917-21.
3	Alnahdi AH, Zeni JA, Snyder-Mackler L. Gait after unilateral total knee arthroplasty: frontal plane analysis. J Orthop Res 2011;29:647-52.
4	Alnahdi AH, Zeni JA, Snyder-Mackler L. Hip abductor strength reliability and association with physical function after unilateral total knee arthroplasty: a cross-sectional study. Phys Ther 2014;94:1154-62.

## Published Researches In scientific Journals (Non- ISI)

Num.	Research title
1	Alnahdi AH, Zeni JA, Snyder-Mackler L. Muscle impairments in patients with knee osteoarthritis. Sports Health 2012;4:284-92.
2	Marmon AR, Pozzi F, Alnahdi AH, Zeni JA. The validity of plantarflexor strength measures obtained through hand-held dynamometry measurements of force. Int J Sports Phys Ther 2013;8:820-7.

<b>Name</b>	Dr. Hana Alsobayel
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Physical Therapy
<b>Research scope</b>	Musculoskeletal

## ISI Published Researches

Num.	Research title
1	Alnahdi AH, Alderaa AA, Aldali AZ, Alsobayel H. Reference values for the Y Balance Test and the lower extremity functional scale in young healthy adults. J Phys Ther Sci. 2015 Dec;27(12):3917-21.
2	Al-Sobayel, H., Al-Hazzaa, H.M., Abahussain N.A., Qahwaji D.M, Musaiger, O (2015). Gender Differences in Leisure-time Versus Non-leisure-time Physical Activity among Saudi Adolescents. Journal of Agricultural and Environmental Medicine.
3	Al-Imam, D. & Al-Sobayel, H. (2015) "The prevalence and severity of burnout of physiotherapists in an Arabic setting and the influence of organizational factors: an observational study". Journal of Physical Therapy Sciences.
4	Dylke ES, Alsobayel H, Ward LC, Liu M, Webb E, Kilbreath SL. (2014). Use of impedance ratios to assess hand swelling in lymphoedema. Phlebology. Mar;29(2):83-9.

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Is physiotherapy effective for referred leg pain arising from the lumbar spine? A systematic review	WCPT congress	Singapore	2015
2	Cross-cultural adaptation, reliability and validity of the Arabic version of Back Beliefs Questionnaire	WCPT congress	Singapore	2015



<b>Name</b>	Dr. Mohamed Youssef Berika
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Egypt
<b>Specialty</b>	Medicine and Surgery
<b>Research scope</b>	Stem Cells and Cell Junctions

## ISI Published Researches

Num.	Research title
1	Mohamed Berika, Marwa E. Elgayyar and Ahmad H. K. El-Hashash. Asymmetric cell division of stem cells in the lung and other systems, Review Article, <i>Front. Cell Dev. Biol.</i> , 31 July 2014.
2	Mohamed Berika and David Garrod. Desmosomal Adhesion In Vivo, Review Article, <i>Cell Communication &amp; Adhesion</i> , 21: 65–75, 2014.
3	Lu K, Reddy R, Berika M, Warburton D, El-Hashash AH. Abrogation of Eya1/Six1 disrupts the saccular phase of lung morphogenesis and causes remodeling. <i>Developmental Biology</i> , Oct 1;382(1):110-23. doi: 10.1016/j.ydbio. 07.019, 2013.
4	Ahmed H. K. El-Hashash, Gianluca Turcatel, Saaket Varma, Mohamed Berika, Denise Al Alam and David Warburton, Eya1 protein phosphatase regulates tight junction in lung distal epithelium, <i>Journal of Cell Science</i> . Sep 1;125(Pt 17):4036-48, 2012.

<b>Name</b>	Dr. Maha AlGabani
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Pediatric
<b>Research scope</b>	Pediatric Rehabilitation

## ISI Published Researches

Num.	Research title
1	Al-Gabbani, M., Morgan, G., & Eyre, J. A. (2014, May). Positive relationship between duration of action video game play and visuospatial executive function in children. In Serious Games and Applications for Health (SeGAH), 2014 IEEE 3rd International Conference on (pp. 1-4). IEEE.
2	AlAbdulwahab, S. S., & Al-Gabbani, M. (2010). Transcutaneous electrical nerve stimulation of hip adductors improves gait parameters of children with spastic diplegic cerebral palsy. NeuroRehabilitation, 26(2), 115-122.

<b>Name</b>	Dr. Maha Mohammed Almarwani
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Saudi
<b>Specialty</b>	Neuro/Geriatric Rehabilitation
<b>Research scope</b>	Aging, gait, gait variability with older adults, physical activity and motor learning exercise.

## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	The reliability of spatial and temporal gait variability for older and young adults	APTA Combined Sections Meeting	Las Vegas, Nevada, United States Of America	2014

<b>Name</b>	Monirah Almurdhi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi
<b>Specialty</b>	Physical Therapy- Neurology
<b>Research scope</b>	Diabetic Peripheral Neuropathy

<b>Name</b>	Dr. Rehab Farrag Gwada
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Assistant Professor
<b>Nationality</b>	Egyptian
<b>Specialty</b>	Physical therapy
<b>Research scope</b>	Physiotherapy for Cardiopulmonary & geriatric disorders

## Published Researches in Scientific Journals (NON-ISI)

Num.	Research title
1	Basant Hamdy El-Refay, <b>Rehab Farrag Gwada</b> , Bassem S. Ibrahim. Bi-level Versus Continuous Positive Airway Pressure in Acute Cardiogenic Pulmonary Edema: A Randomized Control Trial. Clinical Medicine Research 2015; 4 (6):221-228.

<b>Name</b>	Kholoud Defullah AlOtaibi
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Teaching Assistant
<b>Nationality</b>	Saudi
<b>Specialty</b>	Cardiopulmonary Physical Therapy
<b>Research scope</b>	Cardiac rehabilitation, cardiovascular disease prevention and exercise.

## Published Researches in Scientific Journals (NON-ISI)

<b>Num.</b>	<b>Research title</b>
<b>1</b>	AlOtaibi, K., El-Sobkey, S.B (2015). Spirometric values and chest pain intensity three days post-operative coronary artery bypass graft surgery. Journal of the Saudi Heart Association, 27, 137–143.

<b>Name</b>	Syamala Buragadda
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Researcher
<b>Nationality</b>	Indian
<b>Specialty</b>	Neurology
<b>Research scope</b>	Women's health

## ISI Published Researchs

Num.	Research title
1	Al-Eisa, E., Buragadda, S., & Melam, G. R. (2014). Association between physical activity and psychological status among Saudi female students. BMC psychiatry, 14(1), 238.
2	Melam, G. R., Buragadda, S., Alhusaini, A., Alghamdi, M. A., Alghamdi, M. S., & Kaushal, P. (2014). Effect of different positions on FVC and FEV1 measurements of asthmatic patients. Journal of physical therapy science, 26(4), 591-593.
3	AlEisa, E., Tse, C., Alkassabi, O., Buragadda, S., & Melama, G. R. (2015). Predictors of global job satisfaction among Saudi physiotherapists: a descriptive study. Annals of Saudi medicine, 35(1), 46. Buragadda, S., Alhusaini, A. A., Melam, G. R., & Arora, N. (2015). Effect of complete decongestive therapy and a home program for patients with post mastectomy lymphedema. Journal of physical therapy science, 27(9), 2743-2748.
4	Al-Eisa, E., Buragadda, S., & Melam, G. R. (2014). Association between physical activity and psychological status among Saudi female students. BMC psychiatry, 14(1), 238.

## Published Researches In Scientific Journals (NON –ISI )

Num.	Research title
1	Melam, G. R., Buragadda, S., Alhusaini, A., & Dhamija, P. (2014). Reaction and Movement Time in Down syndrome Children under Different Visual Feedback Conditions. J Nov Physiother, 4(222), 2.
2	Melam, G., Buragadda, S., Alhusaini, A., Ibrahim, A. I., & Kachanathu, S. J. (2014). Gender differences in static and dynamic postural stability parameters in community dwelling healthy older adults. Middle East J Sci Res, 22, 1259-64.

## A Brief Overview of the Occupational Therapy Program

Occupational therapy is a client-centred health profession concerned with promoting health and well being through occupation. The primary goal of occupational therapy is to enable people to participate in the activities of everyday life. Occupational therapists achieve this outcome by working with people and communities to enhance their ability to engage in the occupations they want to, need to, or are expected to do, or by modifying the occupation or the environment to better support their occupational engagement. (*World Federation of Occupational Therapy (WFOT) 2012*)

### Research Scope includes the followings:

- Assessment and treatment of cognitive impairment
- Assessment and treatment of psychological condition
- The effectiveness of splinting with neurological and musculoskeletal cases
- Ergonomic assessment and modification
- Activity of daily living
- Occupational Therapy for pediatric and geriatric cases
- Standardization of assessment tools

<b>Name</b>	Dr. Alaa Mohammed Arafah
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Lecturer
<b>Nationality</b>	Saudi Arabian
<b>Specialty</b>	Occupational Therapy
<b>Research scope</b>	Neurology, QOL, Self-management

## ISI Published Researchs

Num.	Research title
1	Korner-Bitensky N, Menon-Nair A, Thomas A, Boutin E, <u>Arafah AM</u> . Practice style traits: do they help explain practice behaviours of stroke rehabilitation professionals?. <i>J Rehabil Med</i> . 2007 Nov;39(9):685-9
2	Asano M, Dawes DJ, <u>Arafah A</u> , Moriello C, Mayo NE. What does a structured review of the effectiveness of exercise interventions for persons with multiple sclerosis tell us about the challenges of designing trials? <i>Mult Scler</i> . 2009 Apr;15(4):412-21
3	<u>Arafah AM</u> , What Constructs Are Represented in Multiple Sclerosis Specific Health-Related Quality of Life Measures? (January) 2009.
4	<u>Arafah AM</u> , Alkhawajah MM, Shahrbanian S, Alkusayer A and Mayo NE. What matters to women living with MS in Saudi Arabia. <i>Qual Life Res</i> . 2014;23:74-75
5	<u>Arafah AM</u> , Kuspinar A, and Mayo N. Untangling Fatigue and Fatigability: First Steps. <i>Austin Journal of Multiple Sclerosis and Neuroimmunology</i> . 2015;2(3): 10-18.

## Published Researches in scientific Journals ( NON – ISI )

Num.	Research title
1	<u>Arafah AM</u> , Alkhawajah MM, Shahrbanian S, Alkusayer A and Mayo NE. What matters to women living with MS in Saudi Arabia. <i>Qual Life Res</i> . 2014;23:74-75

2	Arafah AM, Kuspinar A, and Mayo N. Untangling Fatigue and Fatigability: First Steps. <i>Austin Journal of Multiple Sclerosis and Neuroimmunology</i> . 2015;2(3): 10-18.
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## Published Researches at Conferences

Num.	Research title	Conference name	Country	Year of publication
1	Enrolling and Keeping Participants in Self-management Interventions: A Meta-Analysis.	International Society for Quality of Life Research (ISOQOL) 22 <sup>nd</sup> Annual Conference	Vancouver, Canada	2015

## **A Brief Overview of the Respiratory Therapy Program**

Respiratory therapy is one of the most demanding professions in the health care sector in Saudi Arabia. Respiratory therapists work in hospital settings such as critical care units (Adults, Pediatrics, or Neonates) where they manage patients with cardiopulmonary diseases or disorders. RTs work is not limited to managing patients on mechanical ventilation, but they also educate patients and the public in many respiratory diseases such as Asthma. They also work in outpatient clinics such as sleep diseases and disorder clinics or Pulmonary Function Labs.

### **Research Scope includes the following:**

- Critical Care Medicine
- Respiratory Medicine
- Sleep medicine
- Aerosol therapy and delivery
- Inhaled drugs
- Mechanical Ventilation
- Cardiopulmonary rehabilitation
- Pulmonary Functioning Testing techniques
- Chronic obstructive pulmonary diseases
- Noninvasive mechanical ventilation
- Pulmonary infections
- Acid-Base Balance
- Extracorporeal Membrane Oxygenation (ECMO)

<b>Name</b>	Mohammed AlMeshari
<b>Department</b>	Rehabilitation health sciences
<b>Academic Rank</b>	Demonstrator
<b>Nationality</b>	Saudi
<b>Specialty</b>	Respiratory therapy
<b>Research scope</b>	(Aerosol therapy, pulmonary function testing, mechanical ventilation)

## ISI Published Researches

<b>Num.</b>	<b>Research title</b>
1	Ari, A., Alqahtani, M., Almeshari, M., & Fink, J. (2015). Effects of Heat and Moisture Exchangers and Exhaled Humidity on Aerosol Deposition in a Simulated Ventilator Dependent Adult Lung Model. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 28(3).