

CURRICULUM VITAE of

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ACADEMIC QUALIFICATIONS

M.Sc. (Medical Physics)	Carleton University, Ottawa, Canada, 2005.
M. Phil. (Plasma Physics)	Quaid-i-Azam University, Islamabad, Pakistan, 1989.
M.Sc. (Physics)	Quaid-i-Azam University, Islamabad, Pakistan, 1987.
B.Sc. (Mathematics & Physics)	Punjab University Lahore, Pakistan, 1984.

work / Research experience

- Sept 2006 to present, Lecturer, Department of Biomedical Technology College of Applied Medical Sciences King Saud University Riyadh, **Saudi Arabia**.
- Sept 2002 to Apr 2005, Research Assistant / Teaching Assistant Physics Department, Carleton University, **Ottawa, Canada**.
- June 2000-Sept. 2001, Test engineer, JDS Uniphase, **Nepean, Ont. Canada**.
- Feb. 2000 to April 2000, Research Fellow, Ruhr University, **Bochum, GERMANY**.
- May 1999 to Jan. 2000, Lecturer, National College for Computer Science, **Rawalpindi, PAKISTAN**.
- April 1999 to Oct. 1999, Research Fellow, Physics Department, Qaid-i-Azam University, **Islamabad, PAKISTAN**.
- June 1996 to Nov. 1996, Research Fellow, Institute of Spectroscopy **Troitsk Moscow, RUSSIA**.
- June 1993 to June 1996, DAAD Scholar, Ruhr University, **Bochum, F. R. GERMANY**.
- June 1990 to Dec. 1992, Research Officer Physics Department, Qaid-i-Azam University, **Islamabad, PAKISTAN**.
- Dec. 1989 to May 1990, Research Fellow University of Malaya, **Kuala Lumpur, MALAYSIA**.
- Jan. 1989 to Oct. 1989, Junior Research Assistant Physics Department, Qaid-i-Azam University, **Islamabad, PAKISTAN**.

SERVICE ACTIVITIES

- Exams & Schedules Committee, Biomedical Technology, KSU

PUBLICATIONS

Journal Papers

Sequential Focusing in a Mather-type Plasma Focus, Physica Scripta Vol. 47, 814, (1993). M. Nisar, F. Y. Khattak, G. Murtaza, M. Zakaullah, and Nasir Rashid

Role of Anode Length in Mather-type Plasma Focus, Modern Physics Letters B Vol. 6, No. 10, (1992). Farhat N. Beg, M. Zakaullah, M. Nisar, and G. Murtaza.

Effect of targets on Plasma Focus Dynamics, IEEE Transactions on Plasma Science, vol. 18, 1028, No. 6, Dec. (1990). S. Lee, M. A. Alabrabha, A. V. Gholap, S. Kumar, K. H. Kwek, M. Nisar, R. S. Rawat, and J. Singh.

A Simple Shadowgraphic System and Some Results, J. Fiz. Mal. 11, 1, (1990). S. Lee, M. A. Alabrabha, A. V. Gholap, S. Kumar, K. H. Kwek, M. Nisar, R. S. Rawat, and J. Singh.

Conference Papers

Coherent scatter x-ray imaging of plastic / water phantoms in Photonics North 2004: Applications in Astronomy, Biomedicine, Imaging, Materials Processing, and Education, Proc. SPIE 5578, 445-453 (Ottawa, 29 September 2004). M. Nisar and P. C. Johns.

Projection imaging of plastic materials using coherently scattered x rays. Poster # MO-POS-144 at Can. Org. of Medical Physicists / Can. Assoc. of Physicists Conf., **Winnipeg**, 16-20 June, 2004. (Abstract: *Physics in Canada* 60, 145, 2004). M. Nisar and P. C. Johns.

Measurements of electron density and temperature of micropinch plasma formed in vacuum-spark discharge Proc. 10th International Congress on Plasma Physics (ICPP) Quebec City, **Canada**, October 23-27, 2000. M. Nisar, K. N. Koshelev, P. S. Antsiferov and H.-J. Kunze.

Spectroscopic analysis of calcium micropinches in vacuum-spark using spectra of H-like and He-like ions, Proc. Sixth National Symposium on Frontiers in Physics QAU Islamabad, **Pakistan** 16-18 December, (1997). M. Nisar, K. N. Koshelev, P. S. Antsiferov and G. Murtaza

Optimierung einer Niederinduktiven Vakuumfunkenentladung im Hinblick auf mögliche Anwendungen, Frühjahrstagung der Deutschen Physikalischen Gesellschaft (DPG), Rostock, **Germany**, 18-21, März (1996). Ch. Erber, O. Herzog, M. Kröger, M. Nisar, F. Walden, A. Schulz und H.-J. Kunze.

VUV-Spektroskopie an Mikropinch-Plasmen, Frühjahrstagung der Deutschen Physikalischen Gesellschaft (DPG), Rostock, **Germany**, 18-21, März (1996). M. Kröger, M. Nisar, Ch. Erber und H.-J. Kunze.

Spectroscopic measurements of an iron - micropinch plasma in the XUV-range, Frühjahrstagung der Deutschen Physikalischen Gesellschaft (DPG), Innsbruck, **Austria** February (1995). M. Nisar, M. Kröger, F. Walden und H.-J. Kunze.

Sausage Instability Threshold in a Low Energy Plasma Focus, Proc. Fourth National Symposium on Frontiers in Physics QAU Islamabad, **Pakistan** 15 - 18 April (1992). M. Zakaullah, M. Nisar, F. Y. Khattak, S. Lee, G. Murtaza, X. P. Feng, H. U. Rehman, and M. M. Beg.