

PROF. DR. SAQIB ANJUM

Department of Physics

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APPROVED HEC Ph.D. SUPERVISOR

ACADAMIC DEGREES

- 1992** **Doctor of Philosophy**
Department of Physics,
King's College, London,
University of London,
London WC2R 2LS, UK.
- 1988** **Master of Philosophy**
Department of Physics,
University of Karachi,
Karachi, Pakistan.
- 1978** **Master of Science**
Department of Physics,
University of Karachi,
Karachi, Pakistan.
- 1977** **Bachelor of Science (Honours)**
Department of Physics
University of Karachi,
Karachi, Pakistan.

PROFESSIONAL BACKGROUND

- 1) Worked as visiting faculty member at Bahria University, Karachi Campus, Pakistan.
(1996 -2004)
- 2) Worked as visiting faculty member at Iqra University, Karachi Campus, Pakistan.
(1998 - 2001).
- 3) Worked as visiting faculty member at Federal Urdu University of Science and
Technology, Karachi Campus, Pakistan.(2004).
- 4) Worked as Lecturer of Physics at Govt. Superior Science College, Shah Faisal
Colony, Karachi affiliated with Karachi University, Karachi, Pakistan.
(1981-1995).
- 5) Worked as an Assistant Professor of Physics at Govt. Superior Science College, Shah

- Faisal Colony, Karachi affiliated with Karachi University, Karachi, Pakistan.(1995-2005).
- 6) Worked as an Associate Professor of Physics at Govt. Superior Science College, Shah Faisal Colony, Karachi affiliated with Karachi University, Karachi, Pakistan. (2005 - October, 2006)
 - 7) Worked as Associate Professor of Physics at NED University of Engineering & Technology, Karachi, Pakistan (November 01,2006 to July 03, 2009).
 - 8) Worked as Co-Chairman of Department of Mathematics and Basic Sciences, NED University of Engineering & Technology, Karachi.
 - 9) Working as Professor of Physics at NED University of Engineering &Technology, Karachi, Pakistan(July, 04,2009 to date). 10)Worked as Chairman of Department of Mathematics and Basic Sciences, NED University of Engineering & Technology, Karachi from November, 2009 to June, 30,2010 .
 - 11) Working as Chairman of Department of Physics & Chemistry, NED University of Engineering & Technology, Karachi from July, 01, 2010 to date.

SEMINARS AND LECTURES

- (1) Delivered a Seminar to the Scientists & Engineers of Pakistan Council of Scientific & Industrial Research at their Karachi laboratories on " Non-destructive Studies Techniques"
- (2) Delivered a Seminar to the members of Karachi Physics Society at Govt. national College, Karachi on " Modern Trends in Microscopy".
- (3) Delivered a lecture on the "Use of Modern Teaching Aids" for college teachers of Karachi arranged by Directorate of College Education Karachi, Pakistan.
- (4) Delivered a lecture on " Laser and X-rays " at Hamdard University at Karachi Campus in workshop for college teachers of Physics.
- (5) Worked as Master Trainer and trained college teachers under the Computer Literacy Program arranged by Education Department, Govt. of Sindh.
- (6) Worked as Resource Person in the subject orientation Workshop for Physics organized by Sindh Academy for College Teachers, Training Education Department, Government of Sindh, Pakistan.
- (7) Worked as Resource Person in the First Specialized Course in Teaching, Skills Development for Lecturers, organized by National Institute of Public Administration at Karachi, Pakistan.
- (8) Organised a seminar on " Physics Practicals at College Level" in collaboration with Karachi Physics Society on 2

OTHER ACADEMIC ACTIVITIES

Worked as a member of National Curriculum Revision Committee (NCRC) on Electronics during 16-18 April 2002 held in the Regional Office of U.G.C., Karachi.

MEMBERSHIP OF PROFESSIONAL ORGANIZATION

- 1) Life member of Pakistan Society for Semiconductor Science and Technology.
- 2) Member of Institute of Physics, London, UK.
- 3) Member of Executive Council of Karachi Physics Society, Pakistan.
- 4) Member of Executive Council of Centre for Physics Education, Karachi, Pakistan.

RESEARCH EXPERIENCE

- Worked on a project "TELEVISION PATTERN GENERATOR" Worked under Mr. Gul Hassan Taqvi(Supervisor), as a partial requirement of M.Sc. degree in 1980 at Karachi University, Pakistan.
- Worked on a project "ELECTRICAL CONDUCTION IN INDIGENEOUS ORES" Worked under Prof. Dr. Riaz Hashmi(Supervisor) during M.Phil. in 1988 at Karachi University, Pakistan.
- Worked on a project "DEVELOPMENT OF TWO NEW TECHNIQUES OF PHOTOELECTRON SPECTROSCOPY" Worked under Dr. A.W.Potts (Supervisor) during Ph.D. in 1989 - 1992 at King's College London, London University, UK.

PRESENT RESEARCH INTERESTS

Material Science and Electrical Properties of Indigenous ores.

PUBLICATIONS

➤ PUBLICATIONS IN JOURNALS

- (1) A.W. Potts, S.Anjum, R.E Burge, A D Tournas, and A Yacoot,: A Scanning Photoemission Microscope. Journal of Electron Spectroscopy and Related Phenomena, 61, 27 - 41.(1992).
- (2) A.W. Potts, S. Anjum, J.Benson, and I. Novak, : Matrix Isolation In Photoelectron Spectroscopy. Chemical Physics 161, 281 - 288.(1992) .
- (3) A.W. Potts, S. Anjum, J.Benson, and I. Novak,: He I Spectra of Condensed Organic Halides. Journal of Electron Spectroscopy and Related Phenomena 61, 43 - 54.(1992).
- (4) S. Anjum. A.W. Potts:UV Photoelectron Spectroscopy of Zinc Surface Using XUV Photoelectron Microscope. Karachi University Journal of Science 25(1), 25-28.(1997)
- (5) S. Anjum. A.W. Potts: UV Photoelectron Images of Cadmium Surface Using Fresnel Zone Plate. Karachi University Journal of Science 25(2) 67-72(1997).

- (6) S.Anjum. : Scanning Photoelectron Microscopy with Ultraviolet Radiation. Karachi University Journal of Science 25(2) 73-82 (1997)
- (7) Saqib Anjum: Non Destructive Studies of Surfaces of Metals and Semiconductors. NED University of Journal of Research, Vol. V No.2, 23-27(2008).

➤ **PUBLICATIONS IN PEER REVIEWED CONFERENCES**

- (1) S.Anjum, , R.E Burge, A.W.Potts,. and A Yacoot: Development of an XUV Photoelectron Microscope, X-Ray Microscopy III, (1990) 241 - 243, Springer Verlag. The Paper Was presented at Third International Conference on X-Ray Microscopy, London England, September 3 - 7 1990.
- (2) S.Anjum, J. Lee, A.D.Tournas,. and A.W.Potts,:UV Photoelectron Microscopy Using Fresnel Zone Plate. Institute of Physics Conference Serial Number 138: Section 4, Paper presented at the Electron Microscopy and Analysis Conference EMAG93, Liverpool England, 1993 IOP Publishing Limited, 193 - 196.(1993)