

CURRICULUM VITAE



Prof. (Meritorious) Dr. Muhammad Khaleeq-ur-Rahman
Member Punjab HEC/ Former Vice-Chancellor GC University

- (1) Professor Meritorious/Tenured Professor
- (2) Izaz-e-Kamal (Presidential Award)
- (3) Pakistan Academy of Science Gold Medal
- (4) HEC Best Teacher Award
- (5) Citations: **726**
- (6) Impact Factor:**118.958**
- (7) Total Research Publications, **127** (Intl. 81 & Natl. 46)
- (8) **US Patent: 02**
- (9) Invited Talks: **06** (Intl. 02 & Natl. 04)

PROFILE

Father's Name : Ch. Hafeez Ahmad
Date of Birth : 06-01-1953
Domicile : Punjab
Religion : Islam
Nationality : Pakistani
Designation : **Former**-Vice – Chancellor, Government College University, Lahore
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Residential Address : 131-B UET Housing Society Near Valancia.
Lahore-54770

EDUCATIONAL BACKGROUND

Ph.D. (Physics, 1987) University of Manchester, UK
M.Sc. (Physics, 1974) Govt. College of Science (PU), Lahore
Bachelor of Science, Hons. (Physics, 1973) Govt. College of Science (PU), Lahore
Intermediate (Pre Engineering, 1969) Govt. College of Science (BISE), Lahore
Matriculation (Science, 1967) Govt. Pilot High School Wahdat Colony (BISE), Lahore

PROFESSIONAL CAREER

Vice Chancellor, (2011 to 2015)	Government College University, Lahore.
Professor (2015 to date)	Centre of Excellence in Solid State Physics, University of the Punjab, Lahore.
Chairman, (2001-2011)	Department of Physics UET, Lahore.
Director, (2007-2011)	Laser and Optronics Centre, UET Lahore.
Professor (Meritorious)/Tenured (1998-2011)	Department of Physics UET, Lahore.
Associate Professor, (1990-1998)	Department of Physics UET, Lahore.
Assistant Professor, (1982-1990)	Department of Physics UET, Lahore.
Lecturer, (1974-1982)	Department of Physics UET, Lahore.

SPECIALIZATION IN PHYSICS

- ❑ Laser
- ❑ Laser Induced Plasma
- ❑ Laser Material Interactions
- ❑ Atmospheric Electricity (Lightening & Protection).

CONTRIBUTIONS IN PHYSICS

- ❑ Initiated Post Graduate Teaching and Research Program in Department of Physics UET, Lahore.
- ❑ Founder and Director of Advanced Physics Laboratory UET, Lahore.
- ❑ Established XRD Laboratory Facilities at Research Centre UET, Lahore.
- ❑ Established Laser and Optronics Centre at UET, Lahore.
- ❑ Established Nanotechnologies Research Centre at UET, Lahore.

- ❑ Developed, Promoted and Equipped Laboratories of Electricity & Magnetism, Modern Physics and Advanced Electronics for MSc Applied Physics with Modern Technology.
- ❑ Established Nano Laboratory (Chemistry Department at GCUniversity, Lahore

RESEARCH EXPERIENCE IN PHYSICS

- ❑ HEC approved PhD Supervisor vide no. 18-1/ Acad (Sch)/ 2001 dated 16-4-2002 & Pakistan Council for Science & Technology, Islamabad vide no. PCST-1(1)-2002-CM dated 06-02-2005.
- ❑ Participated in **41** International and National Conferences/Symposia/Seminars/Workshops held in Pakistan, Australia, Malaysia and Italy etc.
- ❑ **81** Research Papers have been published in International Journals.
- ❑ **13** Research Papers have been published in National Journals.
- ❑ **8** Research Papers presented in International Conferences
- ❑ **19** (Nineteen) Research Papers have been published in Proceedings of National Conferences
- ❑ **07** International & National Invited Talks

RESEARCH PROJECTS SUPERVISED / GUIDED

1.	Doctoral Research	04 (Completed)
2.	PhD. (In progress)	02
3.	Post Graduate Research	62 (Completed)
4.	Graduate Research	(53) (Completed)

RESEARCH GRANT WON (HEC)

1. HEC Grant won by Dr. Khaleeq under Project for Capacity Building of Research Facilities of CASP(GC University, Lahore) in 2012

Rs. 1,41,89967/=

ACADEMIC HONOURS/ SCHOLARSHIPS

- ❑ **1987:** Awarded Overseas Research Student Award by British Government for Doctoral Research.
- ❑ **1986:** Awarded Overseas Research Students Award by British Government for Doctoral Research.
- ❑ **1983:** Awarded Central Overseas Training Scholarship by Government of Pakistan.
- ❑ **1973:** Awarded **Two Academic Roll of Honors** for meritorious services to Government College of Science, Lahore
- ❑ **1973:** Editor, College Magazine Government College of Science, Lahore .

PROFESSIONAL HONOURS

- ❑ **2011:** Pakistan Academy of Science **Gold Medal.**
- ❑ **2010-12:** **Research Productivity Award** by Ministry of Science & Technology, Pakistan Council for Science & Technology, Islamabad Pakistan.
- ❑ **2009:** **Presidential Award IZAZ-E-KAMAL** by President of Islamic Republic of Pakistan.
- ❑ **2008:** **HEC Best Teacher Award.**

ADMINISTRATIVE APPOINTMENTS

- ❑ **2016 to date:** Member **Punjab Higher Education Commission**
- ❑ **2017 to date:** Member **Syndicate**, University of Education, Lahore
- ❑ **2014 to 2017:** Member **Syndicate**, University of Education, Lahore
- ❑ **2017 to date:** Member **Board of Governors Kinnaird College, Lahore**
- ❑ **2016 to date:** Member **Board of Advanced Studies and research Kinnaird College for Women Lahore**
- ❑ **2016 to date:** Member **Board of Advanced Studies and research University of Central Punjab, Lahore**
- ❑ **2016 to date:** Member **Syndicate** University of Okara
- ❑ **2015:** Founder Member **Punjab Higher Education Commission.**
- ❑ **2015:** Member Statues Committee of Punjab Higher Education Commission
- ❑ **2011-2015:** Special Assignments given by the Government of Punjab/HEC time to time.
- ❑ **2014** Member Committee constituted for organizing 3 Days Conference of Vice Chancellors of Universities of Punjab for preparing Future Roadmap of Higher Education in Punjab at Govt. College University Lahore (GCU).
- ❑ **2014 to date:** Member **Senate**, Institute of Space Technology (SUPARCO), Islamabad
- ❑ **2012-2015:** Member **Syndicate**, University of Gujrat.
- ❑ **2013- 2015:** Member **Syndicate**, GC University, Faisalabad
- ❑ **2013-2015** Convener HEC **PhD Review Committee**
- ❑ **2001-2010:** Member **Syndicate**, UET, Lahore.
- ❑ **1976-1979:** Member **Syndicate**, UET, Lahore.
- ❑ **2011- 2015:** Member **Board of Governors, Beaconhouse National University**, Lahore.
- ❑ **2015-to date** Member **Board of Governors**, Lahore Garrison University, Lahore for a period of three years.
- ❑ **2012-2015:** Member **Board of Governors** of Lahore Leeds University, Lahore.
- ❑ **2012-to date:** Member **Board of Governors**, National Testing Service – Pakistan.

- ❑ **2000 - 2013:** Member **Board of Governors**, Centre for Solid State Physics, Punjab University by Ministry of Education/HEC.
- ❑ **2013- 2015:** Member **Selection Board**, Lahore College for Women University, Lahore.
- ❑ **2000- 2015:** Member **Selection Board** Centre for Solid State Physics Punjab University by Ministry of Education Islamabad.
- ❑ **2009-2011:** Member **Finance and Planning Committee** UET, Lahore.
- ❑ **2008 - 2011:** Member **National Committee** for Promotion of Research in Physics, HEC Islamabad.
- ❑ **2010-2015:** Actively **Led Toppers** of Matric, Intermediate and Graduates to the Top Ranked Universities of Germany, France, Netherlands, Sweden and United Kingdom sponsored by Chief Minister of Punjab.
- ❑ **2006-2011:** HEC Focal Person Japanese Need Based Merit Scholarship Program for Pakistani University Students UET, Lahore.
- ❑ **2010-2011:** Member **Statutes Committee** UET, Lahore.
- ❑ **2004-2011:** **HEC Focal Person**, UET, Lahore.
- ❑ **2004-2011:** Member National Standing Committee HEC., Islamabad
- ❑ **1999-2005:** Convener Admission Committee UET. Lahore.
- ❑ **1999-2005:** Incharge Student Section UET, Lahore.
- ❑ **1999-2005:** **Convener Admission Committee/Founder & Chief Coordinator** for conducting Entry Tests of Engineering and Medical Colleges of Punjab in UET, Lahore
- ❑ **2003-2004:** **Chief Coordinator** for Entry Test of Institute of Space Technology Islamabad held at UET (Lahore, Islamabad, Peshawar, Karachi and Quetta).
- ❑ **2006-2011:** Member Doctoral Synopsis Review Committee King Edward Medical University, Lahore.
- ❑ **2009-2011:** Member Committee of Doctoral Program Centre of Excellence in Solid State Physics University of Punjab Lahore.
- ❑ **2002-2011:** Member **University Task** force UET, Lahore.
- ❑ **2010-2011:** Member Committee of Right Sizing of Employees in all three Campuses of UET.
- ❑ **2004-2007:** Member Appointment Committee of BISE, Lahore by Government of Punjab.

- ❑ **2004-2011:** Member of Adhoc Committee/Purchase Committee for establish of Micro Electronics Research Centre University of Punjab Lahore
- ❑ **2004:** Coordinated Training for Teaching Faculty at Lahore College for Women University, Lahore.
- ❑ **1988-1991,1998& 2001-2011:**
Member **Board of Advanced Studies** and Research UET, Lahore.
- ❑ **2000-03 &07:** Secretary DOSTAC UET, Lahore.
- ❑ **1993:** Prepared Design of University Ordinance for UET, Taxila, including PC-I, PC-II.
- ❑ **2009-2011:** Convener Committee for Framing Statutes regarding Endowment Fund UET, Lahore.
- ❑ **1999-2001:** Member Board of Studies of Space Science Department, University of the Punjab, Lahore.
- ❑ **1992-2011:** Member Academic Board, Centre of Excellence in Solid State Physics, University of Punjab, Lahore.
- ❑ **2003-2006:** Member **Academic Council** Lahore College for Women University, Lahore.
- ❑ **2001-2004:** Member Board of Studies Department of Physics, Punjab University, Lahore.
- ❑ **2007-to date:** Member Board of Studies for Chemical Engineering CIIT (CUST), Islamabad.
- ❑ **2002-2004:** Member Affiliation Committee UET, Lahore.
- ❑ **1991-97, 2000-03 & 2007-09:**
Secretary UET Employees Cooperative Housing Society, Lahore.
- ❑ **2003-2005:** Foreign Students Relation Officer UET, Lahore.
- ❑ **2005-2011:** Intellectual Coordinator for HEC and Ministry of Education from UET, Lahore.

MEMBERSHIP/TRAININGS/EDITOR

- ❑ **2005-to date:** **President** Abdul Salam International Centre for Theoretical Physics, Pakistan Chapter (ASICTP-PC).

- ❑ **2016:** Participated as a Speaker and Chairman Session of 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, **South Korea**
- ❑ **2015:** Attended and chief guest of poster session at International Conference on Solid State Physics (**ICSSP'15**), December 13-17, 2015, University of the Punjab, Lahore, Pakistan
- ❑ **2012:** Attended Higher Education Leadership Training for Vice Chancellors at **Glasgow, UK** by HEC and British Council.
- ❑ **2011:** Attended HEC Workshop of Vice Chancellors held in Islamabad
- ❑ **2008:** Training on Laboratory Equipment Phywe, **Germany**.
- ❑ **2005:** Participated as Invited Speaker and Chairman Session of International Conference on Advanced Materials in Putrajaya, **Malaysia**.
- ❑ **2009:** Invited Talk in International Workshop on Plasma Diagnostics and Applications at National Institute of Education, Nanyang, Technical University, **Singapore**.
- ❑ **2010:** Attended 4th **QS University Ranking** and Evaluation Workshop at **Singapore**.
- ❑ **2007:** Visited Nanyang University Singapore for Collaborative Research, **Singapore**
- ❑ **2005:** Attended Short Training Course on X-Ray Diffractometer (XRD-I), **Netherlands**.
- ❑ **2010-to date:** Regular Associate of National Centre for Physics, Islamabad.
- ❑ **1995-1997, 2004-2011:**
Secretary Pakistan Institute of Physics.
- ❑ **2007-to date:** Member Editorial Board of Pakistan Journal of Engineering and Applied Sciences UET, Lahore recognized by HEC, Islamabad.
- ❑ **1990-1997, 2004-2011:**
Editor, Physics News of Pakistan Institute of Physics.
- ❑ **1997,2006 &2009:** Editor, Proceedings of International Conferences organized by PIP.
- ❑ **1991:** Member Publication Committee of Proceedings of First PIP National Conference at University of Punjab, Lahore.

- ❑ **1989:** 3rd Autumn Workshop on Atmospheric Radiation and Cloud Physics at ICTP-Trieste Italy.
- ❑ **1987:** 2nd Autumn Workshop on Cloud Physics and Climate Trieste, Italy.
- ❑ Life Member of International Centre for Theoretical Physics, Pakistan Chapter (ICTP-PC) Trieste, Italy.

SEMINARS ATTENDED

- ❑ **2012:** Chief Guest in Workshop on Quantum Technologies (QAUTECH) at Department of Electronics Quaid-e-Azam University, Islamabad.
- ❑ **2011:** Chief Guest Opening Ceremony of PPS Conference Department of Physics at University of Gujrat.
- ❑ **2011:** Chief Guest Concluding Ceremony of 2nd International Conference on Semiconductor Materials and Nano Devices (ICSMAND-2011) at Islamia University, Bahawalpur.
- ❑ **2009:** Attended Seminar on Advanced Engineering Coatings, by Pakistan Institute of Technology for Minerals & Advanced Engineering Materials (PITMAEM), PCSIR Laboratories Complex, Ferozpur Road, Lahore.
- ❑ **2009:** First National Conference on Radiation, Particles and Matter jointly organized by Rafi Chaudhry Chair, GC University, Lahore and National Centre for Physics, Islamabad at GCU, Lahore.
- ❑ **2009:** PIP International Conference at UET, Lahore.
- ❑ **2009:** Seminar on Soft Skills Training Workshop for PEEF Scholars by the Punjab Educational Endowment Fund, Government of the Punjab, Lahore.
- ❑ **2006:** Participated in PIP International Conference on Physics UET, Lahore.
- ❑ **2005:** International Conference on 21st Century Materials Testing Trends and Role of PCSIR.
- ❑ **2005:** 10th National Symposium on Frontiers of Physics at GCU Lahore under PPS.
- ❑ **2005:** Attended Conference on Nano Science & Technology in Pakistan, COMSATS Secretariat Islamabad under National Commission on Nano Science and Technology, Islamabad.
- ❑ **2004:** Attended International Symposium on Smart Materials, Nano and Smart System in **Sydney Australia**.

- ❑ **2003:** Attended International Workshop on Engineering Education Review under HEC, Islamabad.
- ❑ **2002:** National Symposium on Physics under PPS.
- ❑ **2000:** National Workshop on Architectural Acoustic and Energy Efficient Building Design at UET, Lahore.
- ❑ **2000:** National Symposium on Frontiers of Physics at GCU Lahore under Pakistan Physics Society.
- ❑ **2000:** National Symposium on Physics in Industry held in Karachi under PPS.
- ❑ **1997:** Attended First PIP International Conference held in GCU Lahore.
- ❑ **1997:** Attended 22nd International Nathiagali Summer College on Physics and Contemporary Needs.
- ❑ **1996:** 31st Pakistan Science Conference in College of Veterinary Sciences, Lahore.
- ❑ **1995:** PIP 3rd National Conference at Islamia University, Bahawalpur.
- ❑ **1995:** National Symposium on Frontiers of Physics under PPS at QAU, Islamabad.
- ❑ **1994:** International Seminar on New Technologies and their applications under the Auspices of International Islamic University, Islamabad.
- ❑ **1993:** 2nd PIP Conference at Punjab University, Lahore.
- ❑ **1991:** 1st PIP Conference at Punjab University, Lahore.
- ❑ **1991:** 5th National Conference on Solid State Physics at Centre for Solid State Physics, Punjab University, Lahore.
- ❑ **1990:** National Conference on “The Recent Advances in Physics and their applications” at Gomal University.
- ❑ **1989:** First National Course on Material Science at BZU, Multan.
- ❑ **1988:** Attended 13th International Nathiagali Summer College on Physics and Contemporary Needs.
- ❑ **1988:** 2nd National Symposium on Frontiers in Physics at QAU, Islamabad.
- ❑ **2008:** Seminar on HRD and its Role in Public Policy Formulation and Implementation by Government of Pakistan, National School of Public Policy.