

HEC Distinguished National Professors

Introduction: The Higher Education Commission launched the “HEC Distinguished National Professors” program in 2003. The position of HEC Distinguished National Professor was created to acknowledge the services of the Eminent Professors/Scientists/Scholars and to take benefits of their knowledge and expertise for the public sector Universities.

Funding: The funds for the program are allocated annually from HEC research grant head. Rs.75,000/- per month @ Rs.50,000/- (for personal expense) and Rs. 25,000/- (Research grant/Institutional share) is paid to a scholar selected as a HEC Distinguished National Professor.

Selection: The appointment of the scholars is made for a period of two years on contract during which they are entitled to receive the personal expense and research grant. The Scholars retain the title of Distinguished National Professor throughout their life. The selection of the scholars is made annually by inviting applications through an advertisement.

The scholars are selected by the Selection Committee headed by the Chairman HEC. The composition of the Selection Committee is as follow;

1. Chairman, HEC (Chairman)
2. Executive Director, HEC
3. Secretary Education
4. One Vice Chancellor / Rector to be nominated by the Chairman HEC
5. One Distinguished National Professor
6. Advisor (HRD)
7. Project Director (Secretary)

HIGHER EDUCATION COMMISSION

Terms and Conditions of the service:

A Distinguished National Professor (DNP) will be required to:

1. Visit various universities in Pakistan and deliver 10-15 academic/research lectures annually.
2. Supervise / co-supervise 2-3 M.phil. /Ph.D. students.
3. Conduct at least one workshop/training course at National level for young faculty members on modern aspects of their field.
4. Write general / popular articles in newspapers for the popularization of science culture and inspiring young minds towards science.
5. Write a monograph for graduate level courses.
6. Deliver at least one lecture annually at the platform of HEC (or COMSATS, COMSTECH, PAS) for general audience on topic of current interest.
7. Participate in talk shows on TV to stress on the need of higher education for national development.
8. Submit the six monthly progress report of his/her research activities along with the receipts of the expenditures incurred on account of research grant.
9. A scholar can use the research grant in the following heads:
10. Travel expense for attending a National /International Conferences /Symposium etc.
11. Publishing research papers in journals of international repute.
12. Purchase suitable office computer, stationery, chemicals and other items of daily usage for facilitating research activity.
13. Hire office staff including Office Assistant, Junior Researcher etc as a helping hand to the scholar in research work.

Note: The scholar will be required to submit duly pre audit receipt of the expenditure incurred from research grant to HEC

Thirty seven scholars have been selected as HEC Distinguished National Professors since the program got underway. The data of the selected scholars is as follow.

HEC Distinguished National Professors

S.No.	Name of the Scholar	Subject	Institute	Date of Selection
1	Dr. Nasir-ud-Din	Biochemistry	Institute of Molecular Sciences & Bioinformatics	16.01.04
2	Dr. Qasim Jan	Geology	VC Qauid -i- Azam University , Islamabad	16.01.04
3	Dr. Viqar Uddin Ahmed	Chemistry	HEJ Research Institute of Chemistry, University of Karachi	16.01.04
4	Dr. Ahmed Hassan Dani (late)	Archeology	Qauid -i- Azam University , Islamabad	16.01.04
5	Dr. Asghar Qadir	Mathematics	Center for Advance Mathematics and Physics, NUST	16.01.04
6	Dr. S. I Ali	Botany	University of Karachi	16.01.04
7	Dr. Saeed Akhtar Durrani	Engineering	PIEAS	16.01.04
8	Dr. Tariq Rahman	Pak. Studies	Qauid -i- Azam University , Islamabad	16.01.04
9	Dr. Anwar-ul-Hassan Gilani	Microbiology	Qauid -i- Azam University , Islamabad	16.01.04
10	Dr. S. Riazuddin	Molecular Biology	Punjab University	16.01.04
11	Dr. Riazuddin	Physics	Qauid -i- Azam University Islamabad	16.01.04
12	Dr. Rabia Hussain	Microbiology	HEJ Research Institute of Chemistry, University of Karachi	16.01.04
13	Dr. Muhammad Iqbal Chaudhry	Chemistry	HEJ Research Institute of Chemistry, University of Karachi	16.01.04
14	Dr. Abdul Raouf	Engineering	Institute of Quality and Technology Management, Lahore	16.01.04
15	Dr. M. Akhtar, FRS	Biology	School of Biological Sciences, Lahore	16.01.04
16	Dr. Sheikh Arshad Saeed (Late)	Pharmacology	Dr. Panjwani Institute of Molecular Medicine and drug research The International Center of Chemical Sciences, University of Karachi	16.01.04

S.No.	Name of the Scholar	Subject	Institute	Date of Selection
17	Dr. S. Qasim Mehdi	Biochemistry	DG (KIBGE, Karachi)	16.01.04
18	Dr. Anwar Waqar	Biochemistry	University of Karachi	23.07.05
19	Dr. Ajmal Khan	Botany	University of Karachi	23.07.05
20	Dr. Mohammad Ashraf	Botany	University of Agriculture Faisalabad	23.07.05
21	Dr. Bina Siddiqui	Chemistry	HEJ Research Institute of Chemistry, University of Karachi	23.07.05
22	Dr. Abdul Rauf Shakoori	Zoology	School of Biological Sciences, University of Punjab, Lahore	23.07.05
23	Dr. Kausar Abdullah	Microbiology	Planning Commission	23.07.05
24	Sharif Al Mujahid	Mass Communication	Area Study Centre Karachi	23.07.05
25	Dr. Syed Nawab Haider Naqvi	Economics	FUUAST, Islamabad	23.07.05
26	Dr. Waseem Ahmed	Biochemistry	Quaid -i- Azam University , Islamabad	23.07.05
27	Dr. M. Aslam Baig	Physics	Quaid -i- Azam University , Islamabad	25.05.06
28	Dr. Ishrat Hussain	Economics	IBA, Karachi	25.05.06
29	Dr. Fayyazuddin	Physics	Quaid -i- Azam University , Islamabad	25.05.06
30	Dr. Tasawar Hayat	Mathematics	Quaid -i- Azam University , Islamabad	26.05.07
31	Dr. Muhammad Ata-ur-Rahman	Biochemistry	HEJ Research Institute of Chemistry, University of Karachi	26.05.07
32	Dr. Zulfiqar Ahmed Bhutta	Medical	Aga Khan University, Karachi	26.05.07
33	Dr. Iftikhar Ahmed Malik (Late)	Medicine	National University of Science & Technology	25.05.06
34	Dr. Atta-ur Rehman	Chemistry	HEJ Research Institute of Chemistry, University of Karachi	04.10.10
35	Dr. Shahida Hasnain	Botany	School of Biological Sciences, University of the Punjab, Lahore	04.10.10
36	Dr. Muhammad Sharif	Mathematics	University of the Punjab, Lahore	04.10.10
37	Dr. G. Murtaza	Physics	Government College University, Lahore	04.10.10

Dr. Nasir-ud-Din

Born in Amritsar on August 15, 1937

Chairman & Professor,
Institute of Molecular Sciences & Bioinformatics
35/1, Nisbat Road, Lahore
E-mail: nasir@super.net.pk; professor_nasir@yahoo.com



EDUCATION:

- D.Sc (1996)
- Ph.D from Edinburgh University, Scotland -1963
- M.Sc from the University of Punjab, Lahore, Pakistan - 1957
- B.Sc from the University of Punjab - 1955

POSITIONS HELD:

- Chairman, Institute of Molecular Sciences & Bioinformatics, Lahore
- Professor of Biochemistry and Dean, Postgraduate Studies and Research, The Lahore University
- Executive Director, Institute of Biomedical Sciences, Lahore, 1998 to date
- Adjunct Professor, H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, 1994 to date
- Visiting Professor: Georgetown University, Washington, D.C., USA, 1994-1995
- University of Geneva, Switzerland, 1989-1990 and Harvard University, Cambridge, USA, 1987-1988
- University of Balochistan, Quetta: Director, Institute of Biochemistry, 1985
- Chairman, Department of Chemistry, 1983-1987
- Professor (Biochemistry), 1982 Visiting Scientist, Institute National de la Sante et de la Recherche Medicale, Unite de Recherches sur la Biochimie des Proteines, Lille, France, 1982
- Assistant Biochemist, Department of Medicine, Massachusetts General Hospital, Boston, USA, 1974-1982
- Research Fellow in Biochemistry, Massachusetts General Hospital, Boston, USA, 1970-1974
- Technical Director (Advisor), Johnson & Johnson Pakistan, LTD. Karachi, 1969-1970
- Chief Chemist and Manager Quality Control, Johnson & Johnson Pakistan, Ltd. Karachi, 1967-1970
- Lecturer, Punjab University, Lahore, 1966-1967
- Research Fellow, Biological Chemistry, Harvard Medical School, Harvard University, Cambridge, USA, 1963-1965
- Demonstrator, Chemistry Department, Edinburgh University, Scotland, 1961-1962
- Demonstrator, Institute of Chemistry, Punjab University, Lahore 1958-1960.

AWARDS:

- Edinburgh University, Studentship, 1961
- Fulbright-Hays Award, 1963
- Senior Fulbright-Hays Award, 1969
- Sitara-i-Imtiaz, Govt. of Pakistan, 1991
- Gold Medal, (B. Khan) University of Balochistan, Quetta, 1992
- Visiting Scientist Award, World Health Organization, 1989
- Visiting Scientist Award, National Medical Research Institute, France, 1982
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: Pakistan Institute of Chemists, 1994
- The Academy of Sciences for the Developing World (TWAS), 1996
- Pakistan Society of Biochemistry and Molecular Biology, 1996 and Chemical Society of Pakistan, 1996
- Member Pakistan Biological Sciences Society
- Pakistan Institute of Chemists; Chemical Society of Pakistan, 1996.

RESEARCH AREA:

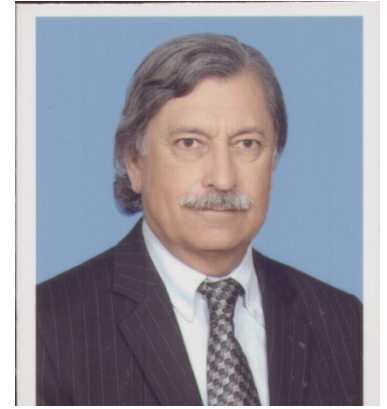
Biochemistry, Chemistry, Immunology of Complex Carbohydrates; Structure-Function Relationship of Glycoproteins; Secretary Proteins, Glycoprotein of Epithelial Cells and Cell Surface Carbohydrates; Malaria Glycoproteins.



Dr. M. Qasim Jan

Born in Hangu on January 10, 1944

Professor Emeritus
National Centre of Excellence in Geology
University of Peshawar, Peshawar
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E-mail: mqjan@yahoo.com



EDUCATION:

- King's College London, UK: DSc (Hon)- 2009
- University of London, UK: PhD- 1977
- University of Oregon, Oregon, USA: MS- 1967
- University of Peshawar, Pakistan: BSc (Hons)- 1964

POSITIONS HELD:

- Professor Emeritus, NCE Geology, Univ. of Peshawar, 2010 (for life)
- Vice Chancellor, Quaid-i-Azam University, Islamabad, Oct. 2005 - Feb. 2010
- Vice Chancellor, Sarhad University, Peshawar, July 2001 - Dec. 2003
- Vice Chancellor, University of Peshawar, Peshawar, Oct. 1997 - Dec. 2000
- Dean, Faculty of Science, Univ. Of Peshawar 1997
- Director, National Center of Excellence in Geology, 1998-2000
- Professor, 1983; Associate Professor, 1979, Assistant Professor, 1970, Lecturer, 1968;
- Visiting Professor, Univ. of Oregon, USA, 1994-1995.

AWARDS:

- ISESCO Prize in Science & Technology(Geology), 2010
- Hilal-i- Imtiaz, 2010
- Sitara -i- Imtiaz, 1999
- Tamgha-i-Imtiaz and Izaz-i-Fazeelat, 1993 by Govt. Pakistan
- Gold Medals by Pakistan Academy of Sciences, 1980, 1997,
- Pak Acad Sciences award, Distinguished Scientist of the year, 2009
- Ministry of Science and Technology Prize for Best Paper, 1996
- National Book Foundation Awards:
- Scientist of the Year, 1990; 2. Earth Scientist of the Year, 1986; Best Book in Natural Sciences for 1995-1999 period
- HEC Distinguished National Professor, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Emeritus Fellow, Mineralogical Society of Great Britain and Ireland, 2009
- Honorary Fellow, Nepal Geological Society, 2007
- Fellow: The Academy of Sciences for the Developing world (TWAS) 2002
- Fellow Pakistan Academy of Sciences, 1991

- Fellow Mineralogical Society of America, 1990; Geological Society of London, 1989
- Chairman, Himalayan Regional Committee of the International Lithosphere Program, 1998-2004
- Royal Society & NERC Guest Research Fellow, University of Leicester, UK, 1981-1989
- Fulbright Fellow: University of Oklahoma, USA, 1987-1988, and University of Oregon, USA, 1994-1995.

RESEARCH AREA:

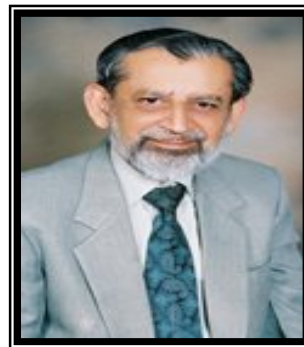
Geology (mineralogy, petrology, geochemistry, tectonics); Book published: Geology and Tectonics of Pakistan (with A. H. Kazmi), Graphic Publishers, Karachi, Pakistan, 1997; Edited ten special volumes, and numerous papers on geology and tectonics of NW Himalaya.



Dr. Viqar Uddin Ahmad

Born in Meerut on July 06, 1940

Senior Professor,
HEJ Research Institute of Chemistry,
University of Karachi-75270,
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EDUCATION:

- Ph.D. Karachi University ,Dr.rer.nat. - 1966,
- M.Sc. Bonn University (West Germany)- 1968
- B.Sc. First Division, First Position, Allahabad University (India)- 1959

AWARDS:

- H.I., S.I., Khawarizmi Laureate
- HEC Distinguished National Professor by Higher Education Commission, 2004



Dr. Asghar Qadir

Born in Simla on July 23, 1946

Professor,
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EDUCATION:

- London University: Ph.D., 1971.
- Imperial College, London: A.R.C.S. 1967, D.I.C., 1967
- London University: B.Sc., 1967;

POSITIONS HELD:

- Professor, Center for Advanced Mathematics & Physics (CAMP), National University of Science & Technology, Rawalpindi, 2003 to date
- Quaid-i-Azam University, Islamabad Meritorious Professor
- Dean, Faculty of Natural Sciences, Professor
- Chairman, Department of Mathematics, Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi, Swabi, NWFP
- Professor, Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
- Vacation worker, Rutherford High Energy Laboratory, Didcot, Oxfordshire, UK

AWARDS:

- Fulbright Hayes Award, 1978-79
- Senior Fulbright Fellowship, University of Texas at Austin, Texas, USA, 1986-87
- Gold Medal, Pakistan Academy of Sciences, 1996
- Sitara-i-Imtiaz, Govt. of Pakistan 1999
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Senior Research Fellow, Pakistan Institute of Development Economics (PIDE), 1980-88 and 1988-94
- Joint Secretary, Al-Kindi Society for the Advancement of the Philosophy of Science, Islamabad, Pakistan, 1980
- Associate Member and Senior Associate of the International Centre for Theoretical Physics, Trieste, Italy, 1980-91 and 1992- 1999
- Life member and Vice-President, Albert Einstein Society (of Pakistan), 1985, 1987 to date

- Life Member, Joint Secretary and Secretary, Pakistan Physical Society, 1990, 1992 and 1993
- Life Member and President, Fulbright Alumni Association, 1992 and 1993. Member, Editorial Board of several national and international journals.

RESEARCH AREA:

Mathematics, Cosmology



Dr. Syed Irtifaq Ali

Born in Lucknow on September 14, 1930

Professor,
Department of Botany, University of Karachi, Karachi (Retired)
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E-mail: flora@super.net.pk; flora.pak@gmail.com

EDUCATION:

- University of London: Ph.D., 1958
- D.Sc., 1979
- Allahabad University, India: M.Sc., 1952

POSITIONS HELD:

- Director General, Karachi Institute of Biotechnology & Genetic Engineering, University of Karachi, 2008-todate
- University of Karachi, Karachi: Vice-Chancellor, 1990-1994
- Dean, Faculty of Science, 1981, 1990
- Chairman, Department of Botany, 1964-1972
- Professor, Department of Botany, 1969-1990
- Reader, Department of Botany, 1964-1969
- Lecturer, Department of Botany, 1958-1966
- Professor of Botany, Al-Fateh University, Tripoli, Libya, 1972-1976 (on leave from University of Karachi)
- Postdoctoral Research Fellow, University of Melbourne, Australia, 1961-1963 (on leave from University of Karachi)
- Lecturer, Department of Botany, D.J. Govt. Science College, Karachi, 1952-1958.

AWARDS:

- Sitara-i-Imtiaz, Govt. of Pakistan, 1998
- Open Gold Medal, Pakistan Academy of Sciences, 1987
- Gold Medal, Karachi University, 1987
- Gold Medal & Certificate of Merit, USDA & PARC, 1985
- National Bank Prize by Pakistan Writers Guild, 1979.
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: The Academy of Sciences for the Developing World (TWAS), 1982
- Linnean Society, London 1965
- President: Pakistan Chapter, Academy of Sciences for the Developing World (TWAS) 2004
- Scientific Society of Pakistan, 1988-1989

- Botanical Society of Pakistan, 1981-1982
- Sectional President: Internal Legume Conference, Kew, (U.K).
- Vice President: Pakistan Academy of Sciences, 1992-1996, 2005-2009.
- Association for the History & Philosophy of Science, 2000 to date
- Institute of Central & West Asian Studies, 1995-2008date
- Honorary Vice-President, XVI International Botanical Congress, St. Louis, Missouri, USA, 1999
- Life Member, International Association of Plant Taxonomy
- Founder & Life Member, Botanical Society of Pakistan.
- Pakistan Association of the Scientists and Scientific Professions
- National Science Council of Pakistan, 1982-1985
- IUCN Species Survival Commission, Indian Subcontinent Plant Specialist's Group, 1988.
- World Commission on Protected Areas of South Asia, 1994 to date.
- Co-Editor: Flora of Pakistan, 1970 to date; Flora of Libya, 1976-1977
- Member of numerous other National and International Organizations

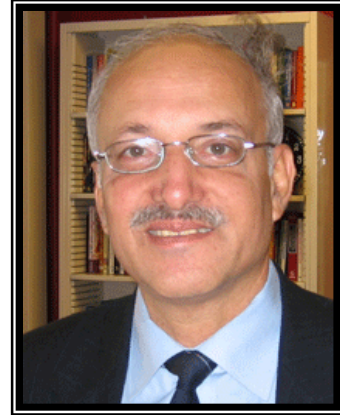
RESEARCH AREA:

Flora of Pakistan, Biodiversity, Plant Wealth of Pakistan, Biosystematics and Conservation Biology.



Dr. Tariq Rehman

Born on February 4, 1949



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National Institute of Pakistan Studies,
Quaid-I-Azam University, Islamabad.
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EDUCATION:

- 1991 University of Cambridge Certificate in Linguistics
- 1989 University of Strathclyde M.Litt in Linguistics
- 1985 University of Sheffield Ph.D in English
- 1982 University of Sheffield M.A in History & English Literature
- 1978 University of Peshawar M.A in Political Science (1st class 1st-Gold Medalist)
- 1969 University of Peshawar B.A (1st Division)

AWARDS:

- HEC Distinguished National Professor by Higher Education Commission, 2004
- Lifetime achievement award 2005 HEC 2009, Best Research Article in 2005 HEC 2009
- Pride of Performance 2004,
- Pitras Bukhari Award for a Book entitled Language and Politics in Pakistan (Oxford UP, 1996) by the Pakistan Academy of Letters
- Best Research Work of 1996 in English. National Book Foundation for Social Sciences
- Fulbright Senior Research Fellowship (USA) 1995-96
- Overseas Development Association Scholarship (UK) 1988-89
- British Council Scholarship (UK) 1981 – 1985
- Merit Scholarship in Matriculation 1965-67

HIGHER EDUCATION COMMISSION

Dr. Anwar-ul Hassan Gilani

Born in Faisalabad on April 05, 1955



Professor,
Department of Biological and Biomedical Sciences,
The Aga Khan University Medical College,
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E-mail: anwar.gilani@aku.edu

EDUCATION:

- University of Sydney, Australia: PhD, 1985.
- University of Agriculture, Faisalabad: M.Sc. (Hon.), 1978

POSITIONS HELD:

- Pakistan Academy of Medical Sciences, Secretary General, 1999-2002
- Scientific Secretary, 2002-2004
- The Aga Khan University, Karachi
- Professor of Pharmacology, 1997 to date
- Associate Professor, 1992-97
- Assistant Professor, 1988-92
- Senior Instructor, 1986-88
- Lecturer, Bahauddin Zakariya University, Multan, 1979-86.

AWARDS:

- President's Award for Pride of Performance, 2000; Sitara-i-Imtiaz, Govt. of Pakistan, 2004
- Merit scholarship from primary school to PhD; Medal for 1st Position in M.Sc., 1978
- Boehringer International Research Award-1988 (Germany)
- Salam Prize in Biology, The Academy of Sciences for the Developing World (TWAS), 1992
- Ibn-Al-Hayatham Prize in Science, 1995
- Outstanding Teacher Award by the Aga Khan University, 1996
- National Book Foundation Award in Medical Sciences, 1997
- Gold Medal in Medical Sciences by Pakistan Academy of Sciences, 1999
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, Pakistan Academy of Medical Sciences
- Member, Editorial Boards, Fitoterapia and Journal of Ethnopharmacology (Elsevier Science), Journal of Natural Remedies
- Board Member, International Society of Ethnopharmacology Member
- Drug Registration Board, Ministry of Health and PTCL Research and Development Fund Committee, Ministry of Science and Technology

- British Pharmacological Society Biochemical Society, (London)
- International Association for the study of Traditional Asian Medicine
- International Society for Medicinal Plant Research (Germany)
- International Society of Ethnopharmacology
- Phytochemical Society of Europe and American Society of Pharmacognosy
- WHO consultant on Traditional Medicine and Quality Assurance of Drugs.

RESEARCH AREA:

Natural Products Pharmacology with special interests on the medicinal value of food plants (antihypertensive, hepatoprotective, antiinflammatory, cardiogenic, laxative, antidiarrhoeal, prokinetics) and lead detoxifying potential of dietary supplements).



Dr. Sheikh Riazuddin

Born in Lahore on April 15, 1944



Professor & Director
National Centre of Excellence in
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Fax: +92 42 5164155
E-mail: riaz@lhr.comsats.net.pk

EDUCATION:

- University of Reading, UK: Ph.D., 1970
- University of the Punjab, Lahore, Pakistan M.Sc., 1965

POSITIONS HELD:

- Meritorious Professor, 2002
- Professor and Director, National Center of Excellence in Molecular Biology, University of the Punjab, Lahore, 1985
- Visiting Professor, Department of Biochemistry, University of Washington, Seattle, USA, 1988-1996
- Principal Scientific Officer, Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, 1977-1985

AWARDS:

- IARC Senior Postdoctoral Award, 1977
- Swiss Prize (Isabelle De Caze De Nue), IARC, Lyon, France, 1978
- Gold Medal, Pakistan Academy of Sciences, 1982
- Tamgha-i-Imtiaz, President of Pakistan, 1984
- Gold Medal, Johns Hopkins Society of Scholars and Member Since 1989
- Rockefeller Foundation's Biotechnology Career Fellow, 1989-2004
- Sitara-i-Imtiaz, President of Pakistan, 1994
- Khwarizmi International Prize by Iranian Govt., 1997
- Carlos J. Finlay Prize for Microbiology, UNESCO, 1997
- Izaz-i-Kamal, President of Pakistan, 1998
- Hilal-i-Imtiaz, Govt. of Pakistan, 2004
- Distinguished Scientist of the Year 2004 by Pakistan Academy of Sciences
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: Pakistan Academy of Medical Sciences, 1991
- The Academy of Sciences for the Developing World (TWAS), 1993
- National Academy of Medical Sciences, 1995
- The Chemical Society of Pakistan, 2003; American Academy of Microbiology, 2004
- Member: American Phytopathological Society, 2001

- American Society for Biochemistry and Molecular Biology, 2001-2003
- New York Academy of Sciences; 1991-1998 HUGO 1997; Asia Pacific IMBN, 2000.

RESEARCH AREA:
Molecular Biology.



Dr. Riazuddin

Born in Ludhiana on November 10, 1930

Director General Emeritus,
National Center for Physics,
Quaid-i-Azam University Campus,
Islamabad, 44000, Pakistan.

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Fax: +92 51 2077395

E-mail: riazuddin@ncp.edu.pk

riazuddins@yahoo.com



EDUCATION:

- University of Cambridge, UK: Ph.D., 1959
- University of the Punjab, Lahore, MA (Math), 1953

POSITIONS HELD:

- Director General Emeritus, National Centre for Physics, Islamabad. 2007-todate
- Professor, Centre for Advanced Mathematics and Physics, National University of Sciences and Technology, Islamabad. Sep 2008 - June 2010
- Director General, National Center for Physics, Quaid-i-Azam University, Islamabad, 1999-2007
- King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
- Adjunct Professor of Physics, 1999 to 2009
- Professor of Physics, 1982-1998
- Visiting Professor, University of Iowa, Iowa, USA, 1981-82
- VPI and State University, Blacksburg, VA, USA, 1980-1981
- Visiting Scientist, International Center for Theoretical Physics, Trieste, Italy, 1979-1980
- Full time Member, Pakistan Atomic Energy Commission, 1973-1976
- Principal Research Associate, Daresbury Nuclear Physics Laboratory, UK, 1972 and University of Maryland, College Park, Maryland, 1970-1972
- Professor, Quaid-i-Azam University, Islamabad, 1966-1981
- Research Associate, University of Pennsylvania, Philadelphia, 1965-1966
- Visiting Senior Research Associate, University of Rochester, Rochester, New York, USA, 1963-1965
- Reader in Physics University of the Punjab, Lahore, Pakistan, 1959-1963.

AWARDS:

- Gold Medals: University of the Punjab, 1953
- Pakistan Academy of Sciences, 1968 and 1979
- Tamgha-i-Imtiaz, Govt. of Pakistan, 1979
- Sitara-i-Imtiaz, Govt. of Pakistan, 1990
- Hilal-i-Imtiaz, Govt. of Pakistan, 1999
- 13th Khwarizmi International Award (1st Prize), 2003

- UNESCO Albert Einstein Gold Medal for Fundamental Science, 2000
- ECO (Economic Cooperation Organization) Award in Science and Technology, 2002
- COMSTECH Prize in Physics, 2003
- Agha Hasan Ahedi Prize for Best Scientist (Physics) of the Year 2001
- Distinguished Research Award of College of Sciences, King Fahad University of Petroleum and Minerals, Dhahran, Saudi Arabia, 1988, 1991, 1995.
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: Pakistan Academy of Sciences, 1976
- Fellow: Academy of Sciences for the Developing World (TWAS), 1993
- Islamic Academy of Sciences, 2001
- American Physical Society, 2005.

RESEARCH AREA:

Theoretical particle physics with emphasis on Gauge theories, Chiral symmetry, Heavy quark spin symmetry and Phenomenology of particle interactions; Neutrino physics; published several books.



Dr. Rabia Hussain

Born in Bombay on August 8, 1946

Professor,
The Aga Khan University Department of Pathology and
Microbiology,
Stadium Road, P.O.Box 3500, Karachi-74800 , Pakistan.
Phone: +92 021 34864513(Direct)
Fax: +92 021 34934294



EDUCATION:

- Karachi University: M.Sc., 1967
- University of Ontario Canada , PhD, 1973
- London , UK, MRC (Path), 1989, FRC (Path), 1997

POSITIONS HELD:

- The Aga Khan University: Professor, Department of Pathology & Microbiology, 1991 to date
- Acting Chairperson, Department of Microbiology, 1986-1990, 1999-2003
- Associate Professor, Department of Microbiology, 1985-1990; University of Karachi
- Visiting Professor, AQ Khan Institute of Biotechnology and Genetic Engineering (KIBGE), 2004
- Assistant Lecturer, Department of Microbiology, 1968-69
- Visiting Professor, London School of Hygiene and Tropical Medicine, London, UK, 1995 to date
- Senior Staff Fellow, National Institute of Allergy and Infectious Diseases, National Institute of Health, USA, 1979-81
- Collaborative Researcher, National Institute of Health, National Institute of Allergy and Infectious Diseases, USA, 1976-79
- Instructor, Department of Medicine, John Hopkins University, USA, 1973-75
- Research Associate, National Research Council, USA, Naval Medical Research Institute, National Naval Medical Center, 1970-72
- Teaching Assistant, Department of Bacteriology and Immunology, University of Western Ontario, Canada, 1968-69.

AWARDS/HONOURS:

- The Aga Khan University Service Award for 20 years, 2009
- Elected Council Member, International Leprosy Association, December 2007
- Aga Khan University Research Award, 2006
- Honorary Visiting Professor, London School of Hygiene and Tropical Medicine, University of London UK 2005
- Sitara-i-Imtiaz, Government of Pakistan, 2005

- HEC Distinguished National Professor, Higher Education Commission, Islamabad, Pakistan (2004)
- Tamgh-e-Imtiaz, Government of Pakistan, 1999
- The Abdus Salam Third World Academy of Sciences (TWAS) Award in Basic Medical Sciences, Trieste, Italy, 2000
- Rockefeller Biotechnology Fellowship Award, 1986-1988 (28 weeks), sponsored by The Rockefeller Foundation, National Institute of Health, Bethesda, MD and The Aga Khan University
- Berson-Yallow Award for developing a radioimmunoassay techniques, Society of Nuclear Medicine, 1980
- National Research Council Associate ship Award, Washington, D.C., 1973-1975
- Commonwealth Scholarship, 1969-73, Government of Canada
- Gold Medal for standing first in M.Sc., University of Karachi, 1968
- Merit Scholarship for standing first B.Sc. (Hons), University of Karachi, 1966-1967.

FELLOWSHIPS/MEMBERSHIPS:

- Islamic World Academy of Sciences, 2008
- Pakistan Academy of Sciences, 2006
- The Academy of Sciences for the Developing World (TWAS), 2003
- Pakistan Association of Medical Sciences, 2000
- Royal College of Pathologists, 1997

RESEARCH AREA:

Immuno-pathogenesis of Infectious Diseases



HIGHER EDUCATION COMMISSION

Dr. M. Iqbal Choudhary

Born in Karachi on September 11, 1959



Director,
International Center for Chemical and Biological Sciences
(H. E. J. Research Institute of Chemistry,
Dr. Panjwani Center for Molecular Medicine and Drug Research)
University of Karachi, Karachi. Pakistan
Phone: +92 021 348249244, +92 021 34819010
Fax: +92 021 34819018-9, +92 021 99261713
E-mail: hej@cyber.net.pk, iqbalhej@iccs.edu

EDUCATION:

- Doctor of Science (D.Sc.) (University of Karachi), 2005
- Ph.D., Organic Chemistry, (H. E. J. Research Institute of Chemistry, University of Karachi), 1987.

POSITIONS HELD:

- Director, HEJ Research Institute of Chemistry (HEJ RIC), 2002 to date
- Professor, HEJ RIC, 2000 to date
- Associate Professor, HEJ RIC, 1994-2000
- Assistant Professor, HEJ RIC, 1988-1994
- Senior Research Fellow, HEJ RIC, 1986-1987
- Co-Director, Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, 2002 to date
- Visiting Faculty/Scientist, Cornell University, Purdue University, USA, 1987-1994
- Research Associate, Pennsylvania State University, USA, 1985-1986

AWARDS:

- COMSTECH Award 2010 in Chemistry by the President of Pakistan -2010
- Civil Award Hilal-e-Imtiaz by the President of Pakistan -2007
- Civil Award Sitara-e-Imtiaz by the President of Pakistan - 2001
- Recipient of Civil Award Tamgha-i-Imtiaz by the President of Pakistan - 1999
- First Khwarizmi International Award and Prize from the President of Islamic Republic of Iran - 2006
- Economic Cooperation Organization (ECO) Award in Education 2006 by the President of Azerbaijan.
- Doctor of Science (D.Sc.) University of Karachi - 2005.

- Distinguished National Professor of the Higher Education Commission – 2004
- Prof. Abdussalam (Nobel Laureate) Prize in Chemistry – 1989
- Prof. Raziuddin Siddiqui Gold Medal of Pakistan Academy of Sciences - 1992
- Third World Academy of Science Young (Trieste Italy) Scientists Award - 1994
- National Book Foundation Prize - 1995

FELLOWSHIPS/MEMBERSHIPS:

- Senior Fulbright Fellow at the University of California at San Diego, USA (1999).
- Fellow of the Third World Academy of Sciences (2003).
- Fellow of the Islamic Academy of Science (2003).
- Fellow of the Pakistan Academy of Sciences (2003).
- Fellow of the LEAD-International (Leadership for Environment and Development) sponsored by the Rockefeller Foundation, USA (1998).
- Fellow on the Royal Society of Chemistry (2004).
- Fellow of the Chemical Society of Pakistan (2001).
- Fellow of the International Union of Pure and Applied Chemistry.
- Fellow of the World Innovation Foundation (2006).
- Member of the Executive Committee of the National Commission for Science and Technology Pakistan (ECNCST), Chaired by the Prime Minister of Pakistan.
- Visiting Professor at the King Saud University (KSU), Riyadh, Saudi Arabia.
- Member of National Commission for Science and Technology, Chaired by the Prime Minister of Pakistan.
- Member of the Executive Committee of the National Commission on Science and Technology Chaired by the Prime Minister of Pakistan.
- Vice-President, Phytochemical Society of Asia.
- Member of the Executive Board of the Pakistan Atomic Energy Commission (Chaired by the Prime Minister of Pakistan) Chaired by the Prime Minister of Pakistan.
- Member of the National Commission on Nanotechnology.
- Member of the Board of Trustees of the Pakistan Science Foundation.
- Member of the National Commission on Biotechnology.
- Member of the Board of Governor of the Virtual University, Pakistan, 2008.
- Member of the Board of Governors of COMMECS Institute of Business and Emerging Sciences (CIBES), Karachi.
- Member of the American Chemical Society.

- Member of the American Society of Pharmacognosy.
- Member of the The New York Academy of Sciences.
- Member of the Federation of Asian Chemical Societies (FACS).
- Member, Executive Board of the Asian Network of Research on Anti-Diabetic Plants (ANRAP).
- Member of the Steering Committee on Higher Education Pakistan (2002-2003) constituted by the President of Pakistan.
- Member of the Executive Council of AFASSA Network (Africa Asia and South America).
- Member of the Swiss Chemical Society.
- Member of the Inter Academy study Panel (IAP), Amsterdam, The Netherlands.
- Member of the Committee for Central Research Fund, Ministry of Health.
- Member of PTCL Research Board (2001-2004).
- Member of the Syndicate of the Federal Urdu University for Arts, Science and Technology.
- Member Sectoral Committee on University-Industry Steering Committee (Pharmaceutical) HEC, Islamabad.
- Member of the Selection Board of Member of the Selection Board of Pakistan Standards & Quality Control Authority.
- Member of the Board of Studies of COMSATS University.
- Member of the Board of Studies of the Lasbella University, Uthal.
- Member of the American Physiological Society, USA.
- Convener of the National Core Group in Chemistry of Government of Pakistan.
- Numerous other Awards, Medals, and Shields from various national and international organizations.
- Organizing Secretary of biannual International symposia series on Natural Product Chemistry (1988-2000), 7th Eurasia Chemical Congress (March 2002) and Pak-US Binational Workshops on Natural Product Chemistry (Jan. 2000).
- Organizing Secretary of the 19th IUPAC Symposium on the Chemistry of Natural Products (1994) – The largest scientific event of Pakistan.

RESEARCH AREA:

Bioorganic Chemistry, Natural Products Chemistry

Dr. Abdul Raouf

Born in Jullundur on January 15, 1929

Advisor & Professor,
Institute of Quality and Management Technology
University of the Punjab, Lahore
Phone: +92 042-35184793
Email: info@ilm.edu



EDUCATION:

- University of Windsor, Ontario, Canada Ph.D
- University of Toledo, Ohio, USA: M.S.I.E.
- Other Universities attended: University of Michigan, USA; Purdue University, USA; University of Toronto, Canada; Wayne State University, USA

POSITIONS HELD:

- Advisor & Professor, National University of Management Sciences, Lahore, current
- Rector, Ghulam Ishaq Khan (GIK) Institute of Engineering Sciences & Technology, Swabi, Pakistan, 1995-1999
- Pro-Rector (Academic), GIK Institute of Engineering Sciences & Technology, Swab Pakistan, 1994-1995
- King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia
- Adjunct Professor, Department of Systems Engineering, 1994, Professor of Systems Engineering Department, 1990-1994
- Professor & Acting Chairman, Department of Systems Engineering, 1989-1989
- Professor of Systems Engineering, 1984-1989 University of Windsor, Canada
- Professor of Industrial Engineering, 1983-1984
- Professor & Head, Department of Industrial Engineering, 1976-1982
- Professor, Industrial Engineering, 1974-1975
- Associate Professor Industrial Engineering, 1968-1974
- Assistant Professor, Industrial Engineering, 1966-1968
- Visiting Professor of Industrial Engineering, King Saud University, Saudi Arabia, 1982-1983
- O.E.C.D. Visiting Professor, Middle East Technical University, Ankara, Turkey, 1975-1976
- Teaching Fellow, University of Toledo, USA, 1965-1966
- Quality-Method Engineer Canadian Acme Screw & Gear, Toronto, Canada, 1962-1964.

AWARDS:

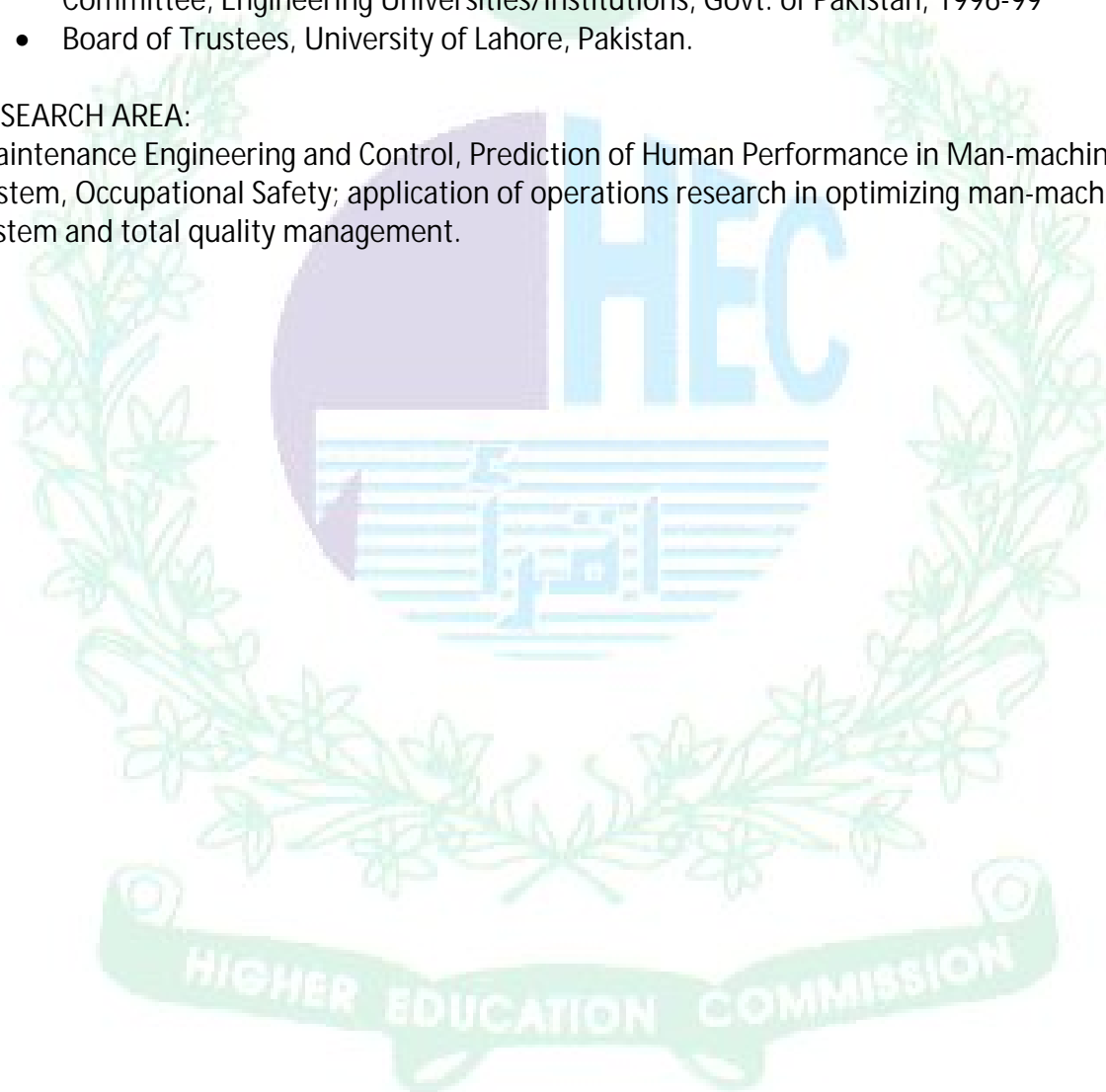
- Sitara-i-Imtiaz, Govt. of Pakistan 1997
- Agha Hasan Abedi Prize, Pakistan Academy of Sciences, 1998
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, Institute of Engineers (Pakistan)
- Institute of Management Services Ergonomics Society (UK)
- Senior Member, American Institute of Industrial Engineers
- Member, Human Factors Society
- Human Factors Association of Canada
- Professional Engineer, Pakistan Engineering Council
- Professional Engineer in the Province of Ontario, Canada
- Member, National Productivity Council, Govt. of Pakistan
- Executive Committee, Pakistan Engineering Council, 1996-99; Vice Chancellor's Committee, Engineering Universities/Institutions, Govt. of Pakistan, 1996-99
- Board of Trustees, University of Lahore, Pakistan.

RESEARCH AREA:

Maintenance Engineering and Control, Prediction of Human Performance in Man-machine System, Occupational Safety; application of operations research in optimizing man-machine system and total quality management.



Dr. Muhammad Akhtar

Born in Batala on February 23, 1933

Director General,
School of Biological Sciences, University of Southampton,
Bassett Crescent East, Southampton, SO16 7PX, UK.
Current: School of Biological Sciences, University of the
Punjab, Lahore, Pakistan.
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EDUCATION:

- Imperial College, University of London, UK: Ph.D., DIC, 1959
- Government College, University of the Punjab M.Sc., 1954

POSITIONS HELD:

- Emeritus Professor of Biochemistry, University of Southampton, UK, to date
- Director General, School of Biological Sciences, University of the Punjab, Lahore Current
- Director, SERC Molecular Recognition Center, 1990-1994
- Chairman, Institute of Biomolecular Sciences, 1989-1990
- Chairman, School of Biochemical & Physical Sciences, 1983-1987
- Head, Department of Biochemistry, 1978-1983
- Professor of Biochemistry, 1973-1998
- Reader, Department of Biochemistry, 1968-1973
- Senior Lecturer, Department of Biochemistry, 1966-1968
- Lecturer, Department of Biochemistry, 1963-1966
- Research Scientist, Research Institute, Cambridge, MA, USA, 1959-63.

AWARDS:

- Gold Medal, University of the Punjab, 1954
- Sitara-i-Imtiaz, Government of Pakistan, 1981
- Flintoff Medal, Royal Society of Chemistry, 1993.
- HEC Distinguished National Professor by Higher Education Commission, 2004

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, Royal Society, UK, 1980
- Member, Council of the Royal Society, 1983-1985
- Founding Fellow, The Academy of Sciences for the Developing World (TWAS), 1984
- Treasurer & Member, TWAS, 1992-1997
- TWAS, Medal Lecturer, 1996
- Honorary D.Sc. degree, University of Karachi, 2000

RESEARCH AREA:

Biochemistry with special contributions to understanding of mechanisms of action of a large number of enzymes involved in biosynthesis of sterols, sex hormones, haem formation, elaboration of chlorophylls; Use of recombinant DNA technology for study of neomyosin synthesis; binding of vitamin A aldehyde to rhodopsin.



Dr. Syed Qasim Mehdi

Born in Lucknow on February 13, 1941



Chairman

Centre for Human Genetics, SIUT, Karachi 74200.

PAKISTAN

Phone +92 333-5210574

E-mail: sqmehdi@gmail.com

EDUCATION:

- D.Phil., University of Oxford UK, 1969
- Master of Science, Massachusetts Institute of Technology (MIT) USA, 1966
- Lucknow University, India. 1963

POSITIONS HELD:

- Chairman, Centre for Human Genetics. SIUT, Karachi (2008- present)
- Director General, Biomedical and Genetic Engineering Division, Khan Research Labs. Pakistan, 1991 to 2007
- Visiting Professor, HEJ Research Institute of Chemistry, Karachi University, 1993 to date.
- Head, National Institute of Biotechnology and Genetic Engineering, Biomedical Division, Lahore, 1986-1991
- Director, (Scientific), The Alexander Medical Foundation, Family Farm Road. Woodside, California, USA, 1980-1992
- Senior Research Fellow and Research Professor (Alexander Medical Foundation-Brooks Walker Endowment. 1984-1986) , Departments of Chemistry and Radiology, Cancer Biology Research Labs. Stanford University, California, USA, 1980-1986
- Senior Research Associate, Department of Radiology, Nuclear Medicine Division, Stanford University, School of Medicine, California, USA, 1976-1980
- Visiting Professor, Klinikum Steglitz, The Free University, Berlin, Germany, 1974-1976
- Wellcome Trust Fellow, Clinical Biochemistry Dept. Oxford University 1972-74
- Nuffield Committee Fellow, Oxford University 1970-72
- Fellow and Tutor for Biochemistry and Physiology St. Peters College, Oxford University- 1970-1974
- Consultant Biochemist Children's Hospital, Boston, Massachusetts, USA, 1964-1965.
- Research Assistant, Biology Department, MIT, Cambridge, Massachusetts, USA, 1963-1966.

AWARDS:

- Best Student Award, Lucknow University, India. 1962 and 1963.
- Sigma Xi Award. American Society for the Promotion of Research, 1966
- Sitara-i-Imtiaz, President of Pakistan, 1998
- Scientist of the Year Award. Pakistan Academy of Science. 1999
- Khan Gold Medal for outstanding Services. 2000
- COMSTECH Award for Biology 2001
- HEC Distinguished National Professor. 2004
- Hilal-i-Imtiaz, President of Pakistan, 2004

FELLOWSHIPS/MEMBERSHIPS:

- American Society for Human Genetics. 1996
- American Association for the Advancement of Science 1994
- Regional Reporter for Asia: IND/PAK. International HLA Workshop/ Conferences 1993-
- Nuffield Committee Fellowship Oxford University, UK, 1970
- Wellcome Trust Fellowship, Oxford University, UK, 1972
- Fellow, National Academy of Medical Sciences, Pakistan
- Fellow, New York Academy of Sciences 1994
- Fellow, Chemical Society of Pakistan 1998
- Member, Biochemical Society, UK 1968
- Member, The American Thyroid Association 1976
- Member, (Life) The Oxford Union Society 1970
- Member, The Oxford-Cambridge Society. 1970
- Fellow, Third World Academy of Sciences (TWAS) 1998
- Fellow, Islamic Academy of Sciences (IAS). 2000
- Fellow, Pakistan Academy of Sciences (PAS) 1999
- Member, International Bioethics Committee, UNESCO. 2002-2005
- Member, Human Genome Organization, (HUGO), USA 1994
- Member, International Executive Committee, Human Genome Diversity Project (HGDP), 1994USA
- Chairman, Southwest Asian Committee, (HGDP), USA. 1997
- Member UP Assoc. for Science and Technology Advancement (UPASTA-India) 2010.

RESEARCH AREAS:

Dr. S. Qasim Mehdi was the first to lay the foundations of human genetics research in Pakistan. Since 1994 he was the first to discover the molecular etiology of non-syndromic deafness and eye diseases like cataract, keratoconus, Leber congenital amaurosis and microphthalmia etc. He was among the first to actively contribute to the Human Genome Diversity Project (HGDP), USA, having collected and genetically analysed [Y- chromosome-paternal; mtDNA- maternal inheritance; HLA and microsatellite polymorphisms] thousands of DNA samples of clinical, forensic and anthropological importance from Pakistani and other world populations. His more recent research is on the resistance and susceptibility of individuals and populations to infectious diseases and towards tailor-made or "Personalized medicine".

Dr. M. Ajmal Khan

Born in Karachi on April 19, 1953

Professor,
Department of Botany,
University of Karachi,
Karachi-75270, Pakistan.
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Email: majmal@uok.edu.pk



EDUCATION:

- Ph.D., Ohio University, Athens, Ohio, USA - 1985,
- M. Sc., , University of Karachi, Karachi, Pakistan - 1974

POSITIONS HELD:

- Professor, Department of Botany, 1996 to date
- Associate Professor, Department of Botany, 1989-1996
- Assistant Professor, Department of Botany, 1985-1989
- Lecturer, Department of Botany, 1977-1985
- Adjunct Professor, Department of Botany and Range Science, Brigham Young University, Provo, USA, 1997-1998
- Visiting Scientist, Department of Environmental and Plant Biology, Ohio University, Athens, USA, 1994-1996
- Visiting Scientist, Institute of Applied Botany, University of Munster, Germany, 1994
- Research Scientist, Brigham Young University, Provo, USA, 1984-1985
- Research Assistant, Department of Environmental and Plant Biology, Ohio University, Athens, USA, 1980-1984.

AWARDS:

- Presidential Award of Pride of Performance, 2001
- Gold Medal, Pakistan Academy of Sciences, 1999
- 1st position in M. Sc., University of Karachi, Pakistan
- Distinguished National Professor by Higher Education Commission, 2005

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: The Academy of Sciences for the Developing World (TWAS), 2003;
- Fulbright Research Fellowship, 1994
- German Academy Exchange Services (DADD), Germany, 1994; Member
- Botanical Society of America, 1984 to date
- International Ecological Society (INTECOL), 1998 to date
- Life Member, Pakistan Botanical Society, 1975

- Sigma Xi, USA, 1984 to date
- National Curriculum Committee, University Grants Commission, 2001 to date
Secretary: Karachi Chapter, Pakistan Academy of Sciences, 2004 to date

RESEARCH AREA:

Ecological management of inter-tidal, coastal and inland saline ecosystems. Specific research interests include seed dormancy, salt tolerance, demography of salt marsh and salt desert species and evaluation of cash-crop halophytes.



Dr. M. Ashraf

Born in Faisalabad on July 15, 1953

Professor & Dean Faculty of Sciences
Department of Botany, University of Agriculture,
Faisalabad, Pakistan.
Phone: +92 041 9200161-70 Ext. 3306, 9200312
Fax: (92-41) 9200764
E-mail: ashrafbot@yahoo.com



EDUCATION:

- University of Arizona, USA: Post-doc., 1993-94
- University of Liverpool, UK, Post-doc., 1986
- Ph.D Post-doc. 1986, University of Liverpool, UK. 1986
- University of Agriculture, Faisalabad, Pakistan: M.Sc., 1980

POSITIONS HELD:

- Dean, Faculty of Sciences, University of Agriculture, Faisalabad, from 15th September, 2006 to date.
- Director, Quality Enhancement Cell, established by Quality Assurance Agency, Higher Education Commission in University of Agriculture, Faisalabad from July 2006 to 24 January 2008.
- Chairman, Department of Botany, University of Agriculture, Faisalabad from 12th October 2002 to 14th September, 2006.
- Professor, Botany Department (2002 to date) and Dean, Faculty of Sciences, University of Agriculture, Faisalabad (2006 to date)
- Associate Professor, Botany Department, University of Agriculture, Faisalabad, 1999-2002
- Associate Professor, Botany Department, Bahauddin Zakariya University, Multan, 1997-1999
- Assistant Professor, Botany Department, Bahauddin Zakariya University, Multan, 1989-1997
- Lecturer, Botany Department, Bahauddin Zakariya University, Multan, 1986-1989
- Demonstrator, Botany Department, University of Liverpool, 1985-1986.

AWARDS:

- Visiting professor, King Saud University, Riyadh, Saudi Arabia for a period of one year Dec 2009 to date.
- Scientific Advisor for the Green Technology Program, Rural Development Administration, Government of the Republic of Korea for a period of 3 years from January 2010 to Dec. 2012.
- Sitara-e-Imtiaz by the President of Pakistan conferred on 14th August, 2006.
- Distinguished National Professor by the Higher Education Commission, 2005

- Honorary Scientist for Rural Development Administration, (1st July 2005 to 30th June 2008), Government of the Republic of Korea
- Dr. Agha G.D. Ahmad Medal, University of Agriculture, Faisalabad, 2003
- Best Teacher Award, Higher Education Commission (HEC), Islamabad, 2002
- Presidential Civil Award, Pride of Performance, 2000
- Presidential Award, Izaz-e-Fazeelat, 1997
- Gold Medal, Pakistan Academy of Sciences, 1997
- First Award in Biology (Cash Prize of Rs. 25,000/-), National Book Foundation, Ministry of Education, Govt. of Pakistan, 1994
- Fulbright Research Award, U.S Educational Foundation, 1993/94
- A Cash Prize of Rs. 15000/- (2nd Prize) in Biology, National Book Council, Ministry of Education, Govt. of Pakistan, 1992
- Salam Prize in Science (Biology), 1992
- Gold Medal (Biology, under 40), Pakistan Academy of Sciences, 1990
- Golden Star, National Farm Guide Council (Hamdard Foundation), Pakistan, 1988
- Silver Medal/1st position in M.Sc., University of Agriculture, Pakistan, 1980.

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, The Academy of Sciences for the Developing World (TWAS), Trieste, Italy
- Fellow of Pakistan Academy of Sciences (PAS), Islamabad-Pakistan
- Member, HEC National Core Group in Life Sciences up to 2009
- Life Member, Pakistan Botanical Society
- Member, Society for the Advancement of Science in Pakistan
- Member, HEC National Curriculum Committee
- Focal person for the review of Research projects under the National Research Program for Universities, Higher Education Commission
- President, Pakistan Botanical Society from January 2006 to December 2007.
- Member of the Executive Committee of the National Commission for Science and Technology (ECNCST), Ministry of Science and Technology, Government of Pakistan from 2007 to date.
- Member, Senate, Federal Urdu University of Arts, Science & Technology, Karachi

RESEARCH AREA:

Stress Biology

HIGHER EDUCATION COMMISSION

Dr. Bina S. Siddiqui

Born in Allahbad February 02, 1948

Professor,
HEJ Research Institute of Chemistry,
University of Karachi, Karachi, Pakistan.
Phone: +92 021 99261716
Fax: +92 021 99261718
E-mail: binahej@yahoo.com



EDUCATION:

- D.Sc. 2001, University of Karachi, Karachi
- Ph.D. 1980, University of Karachi, Karachi
- M.phil. 1978, University of Karachi, Karachi

POSITIONS HELD:

- HEJ Research Institute of Chemistry, University of Karachi: Director (Acting) 2000 to 2002
- Co-Director, 1999-2002, Professor, 1996 to date
- Associate Professor, 1990-1996.

AWARDS:

- Dr. Abdus Salam Prize in Chemistry 1986
- Nishan-e-Azmat-e-Ilm Plaque, Karachi University, 1989
- Nishan-e-Azmat-e-Danish Plaque, Karachi University, 1993
- Nishan-e-Danish Plaque, Karachi University, 1998
- First Prize of the National Book Foundation 1997
- Star Woman of the Year 1997 Award and Gold Medal by Star Girls and Women's Foundation
- Tamgha-i-Imtiaz, Government of Pakistan, 2000
- Khwarizmi Award by the President of Islamic Republic of Iran, 2001
- Sitara-i-Imtiaz by the Govt. of Pakistan, 2004
- Distinguished National Professor by Higher Education Commission, 2005

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, The Academy of Sciences for the Developing World (TWAS), 1989
- Full Member of the Third World Organization for Women in Science (TWOWS), 1989
- Member, Membership Committee of TWAS for Chemistry, 1999
- Life Member, Chemical Society of Pakistan, 1988
- Fellow of the Chemical Society of Pakistan, 2000
- Member, Scientific Society of Pakistan, 1970
- Member, American Chemical Society, 2005.

HONORARY APPOINTMENTS:

- Convenor of the National Committee of Ministry of Science and Technology, Pakistan for evaluation and upgradation of Chemistry Institutions in Pakistan, 2000-2001.
- Convenor of the National Committee of Pharmaceuticals and Drugs 2004.
- Member of Board of Graduate Studies, of the Aga Khan University, Karachi, Pakistan 2004 to 2008.
- Member of the Board of Advanced Studies and Research (BASR) University of Karachi, Karachi, Pakistan 2004 to 2007.
- Member of Search Committee of the Aga Khan University, Karachi Pakistan, 2009-2010.
- Member of Board of Graduate Studies, of the Aga Khan University, Karachi, Pakistan 2004 to 2008.
- Member of the Board of Advanced Studies and Research (BASR) University of Karachi, Karachi, Pakistan 2004 to 2007.
- Member of Search Committee of the Aga Khan University, Karachi Pakistan, 2009-2010.

RESEARCH AREA:

Natural products chemistry with special focus on obtaining constituents of medicinal plants possessing medicinal properties, and agricultural applications. Synthetic studies on natural products and known synthetic compounds to obtain potential bioactive analogs.



HIGHER EDUCATION COMMISSION

Dr. Abdul Rauf Shakoori

Born in Sialkot on October 01, 1942

Professor Emeritus
Distinguished National Professor,
Meritorious Professor and Director,
School of Biological Sciences,
University of the Punjab,
New Campus, Lahore, Pakistan
Phone: +92 042 99231248
Fax: +92 042 99230980
E-mail: arshak@brain.net.pk; arshaksbs@yahoo.com



EDUCATION:

- University of Hohenheim, West Germany: D.Sc. (Dr.rer.net.), 1972.
- University of the Punjab, M.Sc., 1962;

POSITIONS HELD:

- University of the Punjab, Lahore: Professor Emeritus, Distinguished National Professor, Meritorious Professor and Director School of Biological Sciences, 2000 to date
- Professor, 1987-2000; Chairman: Department of Zoology, 1996-1999, 2002; Department of Microbiology and Molecular Genetics, 2000-2002
- Associate Professor, 1979-1987
- Assistant Professor, 1972-1979
- Lecturer, 1963-1972; Director, School of Biological Sciences, 2002 to date
- Co-Director, Center for Advanced Molecular Biology, 1984-1991
- Chairman, Department of Microbiology and Molecular Genetics, 2001-2002
- Director, B.Sc. Hons. Program, 2000-2002
- Visiting Professor: University of Massachusetts Medical Center, Worcester, USA, 1989 to date
- Visiting Professor, University of Marburg, Germany, 1996
- Visiting Professor, Kings College, London, 1997 and University of Essex, UK, 1999
- Lecturer, Govt. Degree College, Jhelum, 1962-1963.

AWARDS:

- Roll of Honor, Govt. College, Lahore, 1962
- Cash Prize and Commendation Certificate for Research Work, Punjab University, Lahore, 1979, 1983
- Cash Prize, National Book Council of Pakistan, 1988
- Scientist of the Year Award, Govt. of Pakistan, 1986, 1997
- Senior Fulbright Fellowship, 1992-93
- Award of Honor, Zoological Society of Pakistan, 1995
- Senior DAAD Fellowship, 1996;
- Aizaz-i-Kamal, Govt. of Pakistan, 1996
- Zoologist of the Year Award, 1997

- Fellowship of Royal Society, UK, 1998
- Tamgha-i-Imtiaz, Govt. of Pakistan, 1999
- Research Productivity Award, 2002,2003, 2004, 2005.2006, 2007, 23008
- Distinguished National Professor by Higher Education Commission,2005
- Professor Emeritus, University of the :Punjab, 2010-
- Life Time Achievement Award, Zoological Society of Pakistan, 2010

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, The Academy of Sciences for the Developing World (TWAS), 2004
- Fellow of Pakistan Academy of Sciences, 1991
- Fellow, Zoological Society of Pakistan, 1968 to date
- New York Academy of Sciences;
- President, Zoological Society of Pakistan, 2002-2009
- Secretary, Zoological Society of Pakistan, 1991, 2009- to date
- Pakistan Association for Experimental Biologists, 1979-1980
- Chief Patron, Zoologists Association of Pakistan, 1987-1990
- Editor, Pakistan Journal of Zoology, 1980 to date.

RESEARCH AREA:

Cell and Molecular Biology with special interest in Gene Expression, Biochemical Toxicology and Environmental Biotechnology.



Dr. Kauser Abdulla Malik

Born in Lahore on July 07, 1945



Member (Food & Agri.), Planning Commission,
Government of Pakistan
Phone: +92 051 9201971
E-mail: Kamalik@isb.comsats.net.pk

EDUCATION:

- University of Aston, Birmingham, UK: Ph.D. 1970
- University of the Punjab, Lahore, M.Sc. (Hon's) 1965

POSITIONS HELD:

- Member (Food & Agri.), Planning Commission, Government of Pakistan, 2006 to date
- Member (Bio and Admin), Pakistan Atomic Energy Commission (PAEC), 2001-2006
- Secretary, National Commission on Biotechnology (NCB), 2001 to date
- Chairman Pakistan Agricultural Research Council (PARC) Islamabad 1998-2001
- Director General/Chief Scientist, National Institute for Biotechnology and Genetic Engineering (NIBGE) and Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, 1997-1998
- Chief Scientific Officer/Principal Scientific Officer/Senior Scientific Officer, NIAB, 1971-1998
- Head, Soil Biology Division, NIAB, 1980-1991
- Visiting Scientist, Institute of Biophysics, University of Hanover, West Germany, 1986.

AWARDS:

- Hilal-i-Imtiaz, Govt. of Pakistan, 2004
- Stara-i-Imtiaz, Govt. of Pakistan, 1998; Tamgha-i-Imtiaz, Govt. of Pakistan, 1988
- ISESCO Prize in Biology, 1997
- Gold Medal, Pakistan Academy of Sciences, 1993
- Certificate of Commendation for Scientific Research in Biology, Govt. of Pakistan, 1989
- Distinguished National Professor by Higher Education Commission, 2005

FELLOWSHIPS/MEMBERSHIPS:

- Associate Secretary General, Pakistan Academy of Sciences, 2005-2006
- Fellow, The Academy of Sciences for the Developing World (TWAS), 1997
- Alexander von Humboldt Fellow, 1974-1975,
- Member: Board of Trustees, International Foundation for Sciences, Stockholm, Sweden, 1997 to date
- Board of Governors, ICGEB, 1993 to date

- Standing Advisory Group on Nuclear Applications (SAGNA), IAEA, 2000 to date
- Biotechnology Action Council (BAC), UNESCO, Paris, France, 2004 to date
- Board of Trustees WWF-Pakistan, 2004 to date
- Editorial Board, Pakistan Journal of Botany and Nucleus, Pakistan
- President, Biotechnology Society of Pakistan, 1994 to date
- Consultant, FAO/IAEA Joint Division in Malaysia -1990, Bangladesh -1991, Iran -1991, Algeria -1991, Turkey - 1993, Sri Lanka -1996, Tanzania -1999, Senegal -1997,1999; Bangladesh, Malaysia and several other countries

RESEARCH AREA:

Biology, Biotechnology and Genetic Engineering.



Professor Sharif al Mujahid

Born in Madras 1926

Professor

Pakistan Study Centre, University of Karachi
Karachi-75300

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EDUCATION:

- Educated at Madras, Stanford, McGill and Syracuse universities and held several prestigious fellowships and awards.

POSITIONS HELD:

He worked in various editorial positions in newspapers and feature syndicates in India, Pakistan, Canada, and the U. S.

He founded four institutions/ departments and headed them for various periods: (i) Department of Journalism, University of Karachi (1955-72); (ii) Department of Communication, International Islamic University Malaysia (1990-93); (iii) Centre for Communication and Media Studies, International Islamic University, Islamabad (2007), and the Quaid-i-Azam Academy (1976-89).

Prof. Mujahid pioneered and promoted journalism education and mass communication research in Pakistan. He conducted studies for East-West Communication Institute (Honolulu), Planning Commission (Pakistan), Asian Mass Communication and Information Centre (AMIC) (Singapore), and Unesco. As Founding Director of the Quaid-i-Azam Academy, he also pioneered research studies on the Muslim Freedom Movement and the founding fathers of Pakistan. In 1964, Prof. Mujahid was Visiting Professor at Bradley University (Peoria, IL.), and at the State University of New York at Buffalo. He also taught South Asian history and politics at various other institutions in the U. S. during 1968 and 1969. He was offered visiting professorship at the Centre for South Asian Studies, Jawaharlal Nehru University, New Delhi, in 1984 and 2005; he was also elected Senior Research Fellow by St. Antony's College, Oxford, in 1987. He has given talks at then U. S., Canadian and British (including UCLA, Duke, Chicago, McGill and Oxford), and has served editorial boards of several journals, both in Pakistan and abroad. He has presented papers to some twenty-five international conferences, and a large number of national conferences and seminars.

Prof. Mujahid's publications include six major works, twelve edited works, nine minor or co-authored works, and twenty-two works (original/translated) in Urdu, Arabic, French, Portuguese and other languages. He has published 48 chapters in edited works, 45 papers and some 42 review articles in journals, both national and international. He has also contributed some eighty-five articles/chapters (of various lengths) in six encyclopedias and yearbooks. One of his works, Quaid-i-Azam Jinnah: Studies in Interpretation (1981), was the only work among all those on Pakistan's founder published since 1940 to qualify for the President's Award on Best Books on Quaid-i-Azam. He has recently co-edited Unesco's

History of Humanity, vol. VI, and The Jinnah Anthology (2009) and edited In quest of Jinnah (2007), the only oral history on Pakistan's founding father.

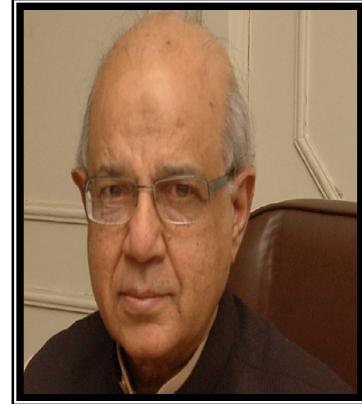
AWARDS:

- Aizaz-i-Kamal/Fazilat in 2001
- Sitara Imtiaz in 2006 by the Government of Pakistan.
- Distinguished National Professor by Higher Education Commission, 2005



Prof. Dr. Nawab Haider Naqvi

Born in Meeruth on July 11, 1935



Director General (Economics)
Federal Urdu University of Arts, Science and Technology,
Islamabad
Phone: +92 051 9252853
Email: navabnaqvi1@gmail.com

EDUCATION:

- Doctoral work at Harvard - 1971
- PhD, Princeton University - 1966
- MA, Yale University -1961

POSITIONS HELD:

- Visiting OECD Professor at Middle East Technical University (1972-1975)
- Professor of Economics at Quid-e-Azam University, Islamabad(1975-1980)
- Visiting Professor, Heidelberg University(1978) on leave from Quaid-e-Azam University
- Director, Pakistan Institute of Development Economics for 18 years(1979-1995)
- Founder-President of the Society of Development Economists,
- National Professor of Economics, Government of Pakistan(1996—2004)
- Chairman and member of the Board Management of the Asia-Pacific Development Center in Kuala Lumpur from 1982 to 1993.
- Member and Chairman of United Nation's Sub-Link Project. He was Chairman of the Committee on Economic and Social well-being for the Eighth Five Year Plan constituted by the Government of Pakistan 1992
- Chairman, Committee on Islamization, appointed by the Finance Minister, Government of Pakistan, 1980.

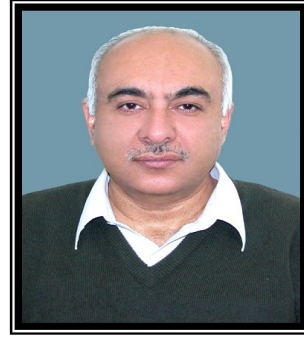
AWARDS:

- Sitara-e-Imtiaz in Economic Science 1991
- ECO award in for doing distinguished work in economics in 1992 at the Istanbul Summit Meeting of the Heads of State.
- Life-Time Academic Achievement Award in Dec. 2009 in recognition of his long and distinguished academic career.
- Distinguished National Professor by Higher Education Commission,2005

Dr. Wasim Ahmed

Born in KPK on May 02, 1957

Professor,
Department of Biochemistry
Faculty of Biological Sciences
Quaid-i-Azam University
Islamabad, Pakistan
Ph: +92 051 90643003
Email: wahmad@qau.edu.pk



EDUCATION:

- PhD Cambridge University, England, UK, 1990
- M.Phil, Quaid-I-Azam University, Pakistan 1984
- M Sc. Quaid-I-Azam University, Pakistan, 1981

POSITION HELD:

- 1990-1992 Postdoctoral Research Fellow
- MRC-Molecular Medicine, Hammersmith Hospital, London UK , 1992-1994
- Postdoctoral Research Fellow, University of South Alabama, Mobile, Alabama USA, 1996-1997
- Postdoctoral Research Fellow, Telethon Institute of Genetics and Medicine (TIGEM), Italy, 1997-1999
- Postdoctoral Research Scientist, Columbia University, New York USA, 1999-2003
- Assistant Professor, Department of Biological Sciences, Quaid-I-Azam University, Pakistan, 2003-2006
- Associate Professor, Department of Biological Sciences, Quaid-I-Azam University, Pakistan, 2006
- Professor, Department of Biochemistry, Faculty of Biological Sciences, Quaid-I-Azam University, Islamabad, Pakistan

AWARDS:

- COMSTECH Award in Biology 2010
- HEC Best Teacher Award 2010
- Associate Editor, BMC Medical Genetics, UK, 2009
- Gold Medal, Pakistan Academy of Sciences, 2007
- 2001- Sitara-e-Imtiaz, Government of Pakistan
- Distinguished National Professor by Higher Education Commission, 2005

FELLOWSHIPS/MEMBERSHIPS:

- Fellow Pakistan Academy of Science 2010
- Member, American Society of Human Genetics, USA, 2009

RESEARCH AREA :

Biochemistry and Molecular Biology of Human Diseases



Dr. M. Aslam Baig (T.I, S.I, H.I)

Born in Karachi on January 01, 1950



Professor,
Department of Physics, Quaid-i-Azam University,
Islamabad, Pakistan.

Phone: +92 051 9064 2105

Fax: +92 051 9064 2240

E-mail: baig@qau.edu.pk, baig77@gmail.com, baig777@yahoo.com

EDUCATION:

- M.Sc. Applied Physics, Karachi University -1974
- M.Phil. Physics, Karachi University- 1977
- D.I.C. Imperial College, London- 1979
- Ph.D. London University, England- 1979

POSITIONS HELD:

- DEAN (Faculty of Natural Sciences) Quaid-i-Azam University, Islamabad 2008 – 2009
- Director Science, SESAME, (UNESCO Multination Project) Jordan 2006 -2008
- Quaid-i-Azam University, Islamabad: Professor of Physics, 1991 to Dec. 2009
- Associate Professor, 1987-1991 and Assistant Professor, 1986-1987
- Research Scientist, Physikalisches Institute, Bonn University, F.R. Germany, 1982-1986
- SERC Research Fellow, Blackett Laboratory Imperial College, London, UK, 1981-1982
- Alexander Von Humboldt Fellow, Bonn University, F.R. Germany, 1980-1981
- Post Doctoral Fellow, Blackett Laboratory, Imperial College, London UK, 1979-1979
- Research Assistant, Blackett Laboratory Imperial College, London, UK, 1977-1977
- Research Officer, Department of Physics, Karachi University, 1974-1977.

AWARDS:

- Civil Award "Hilal-i-Imtiaz" by the president of Pakistan 2009
- Civil Award "Sitara-i-Imtiaz" by the president of Pakistan 1999
- Civil Award "Tamgha-i-Imtiaz" by the President of Pakistan 1992
- Fellow, Pakistan Academy of Sciences, 1997
- Fellow, Pakistan Nuclear Society, 2000
- Gold Medal, Pakistan Academy of Sciences. 1987
- Listed in Marquis International WHO'S WHO, in "Optical Science and Engineering" Chicago, 1L, USA, 1985
- SERC Post Doctorate fellowship, England, 1980
- 2nd. Prize, Incentive on Publications, Government of Pakistan, 1997
- Best University Teacher Award year 2003, Higher Education Commission
- Distinguished National Professor by Higher Education Commission, 2006

FELLOWSHIPS/MEMBERSHIPS:

- Alexander von Humboldt Fellow, Bonn University, F.R. Germany, 1990,1991,1996, 1999
- Visiting Professor, Kaiserslautern University, Germany, 2001,2002,2003
- Fulbright Fellow, Virginia University, Charlottesville, VA 1993-1994
- ICTP Senior Associate, International Centre for Theoretical Physics Trieste, Italy 2003 – 2011
- ICTP Associate, Italy, International Centre for Theoretical Physics Trieste, Italy 1990 - 1999
- ICTP Associate, International Centre for Theoretical Physics Trieste, Italy, 1986-1990
- ICS Associate, United Nations Industrial Development Organization, 1991-1997
- SERC Post Doctorate fellowship, Imperial College, London, 1981 – 1982
- Alexander von Humboldt Fellow, Bonn University, F.R. Germany, 1980 – 1981
- SERC Jr. Research Fellow, Imperial College, London, 1977-1979

RESEARCH AREAS:

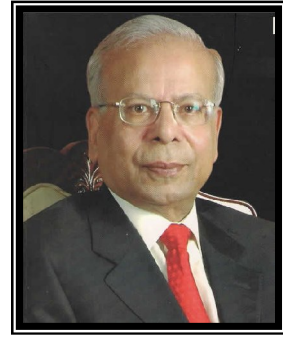
Interaction of Laser Radiation with Matter
Multi-photon Excitation and Ionization of Atoms
Laser Induced Breakdown Spectroscopy.
Laser Assisted Isotopic Enrichment
Synchrotron Radiation Applications



Dr. Ishrat Hussain

Born in Allahbad (India) on June 17, 1941

Dean and Director
Institute of Business Administration (IBA)
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Email: husainish@yahoo.com



He is serving as Dean and Director of the Institute of Business Administration, Karachi. He was appointed as the 13th Governor of the State Bank of Pakistan, Pakistan's 2nd December 1999, and retired on 1st December 2005. He also headed the National Commission for Government Reform

EDUCATION:

- Ph.D in Economics, Boston University.
- Masters degree in Development Economics, Williams College, USA
- Executive Development Program, Harvard University-Stanford University-INSEAD, USA

POSITIONS HELD:

- Chairman, National Commission for Government Reforms (2006-2008).
- Governor, The State Bank of Pakistan (1999-2005)
- Director for Central Asian Republics,
- Poverty and Social Policy,
- Chairperson of the World Bank's Public Sector Group,
- Chief of the Debt and International Finance Division and
- Chief Economist of the World Bank for East Asia and Pacific region

AWARDS:

- Asian Banker Life Time achievement award -2006.
- Jinnah Award – Conferred by Jinnah Society. 2005.
- Federation of Pakistan Chambers of Commerce and Industry (FPCCI) Special Gold Medal 2005.
- Central Bank Governor of the Year for Asia – 2004 by The Banker Magazine, London.
- Hilal-e-Imtiaz - conferred by the President of Pakistan – 2003
- International Student Award for Outstanding Academic Achievement
- Boston University, 1978.Top of the Class, Center for Development Economics, Williams College, U.S.A., 1972
- President, Commonwealth Club, University of British Columbia, 1960-1961.
- Outstanding Foreign Student, University of British Columbia, Canada, 1960 (Citation: "For high academic record, active leadership and participation in campus activities, and promotion of better relationships among foreign and Canadian students").
- Distinguished National Professor by Higher Education Commission,2006

RESEARCH AREA

Has authored 12 books, contributed 15 chapters in books and monographs and two dozen articles in refereed journals in Development Economics, Public Policy, Governance and Globalization



Dr. Fayyazuddin

Born in Ludhiana on November 10, 1930

National Centre for Physics,
Quaid-i-Azam University, Islamabad, Pakistan.
Phone: (92-51) 2077353
E-mail: fayyazuddins@gmail.com



EDUCATION:

- DIC and Ph. D., 1962
- M.Sc., 1952; Imperial College, London, UK

POSITIONS HELD:

- Professor of Physics, Quaid-i-Azam University Islamabad, 2005 to date
- Professor of Physics, King Abdul Aziz University, Makkah, Saudi Arabia, 1988-1996
- Professor of Physics, Ummal Qura University, Makkah, Saudi Arabia, 1985-1988
- Professor of Physics, King Saud University, Riyadh, Saudi Arabia, 1980-1985
- Professor of Physics, Quaid-i-Azam University, Islamabad, 1968- 1980
- Dean, Faculty of Natural Sciences, Quaid-i-Azam University, Islamabad, 1975-1977
- Visiting Scientist, CERN, Geneva, Switzerland, 1973-1974; Research Associate
- Rutherford Lab, UK, 1972-1973
- Research Associate, Enrico Fermi Institute, University of Chicago, USA, 1966-1968
- Senior Scientific Officer, Pakistan Atomic Energy Commission, 1962-1966
- Lecturer, Punjab University, Lahore, 1956-1959.

AWARDS:

- Hilal-i-Imtiaz, Govt. of Pakistan, 2000
- Gold Medal (Jointly with Riazuddin), Pakistan Academy of Sciences, 1979
- D. Dwyer Bhawani Dass Gold Medal, Govt. College, Lahore, 1951
- Al-Khawarzmi International Award in Physics, 2003.
- Distinguished National Professor by Higher Education Commission, 2006

FELLOWSHIPS/MEMBERSHIPS:

- Fellow, The Academy of Sciences for the Developing World (TWAS)
- Member, National Center for Physics, Quaid-i-Azam University, Islamabad, 1999 to date
- Associate Member, International Center for Theoretical Physics, Trieste, Italy 1966-1969, 1972-1980, 1983-1993
- Member, American Physical Society, 1977
- Life Member, Pakistan Physical Society, 1999; Member, Syndicate, Quaid-i-Azam University, 1975-1977.

RESEARCH AREA:

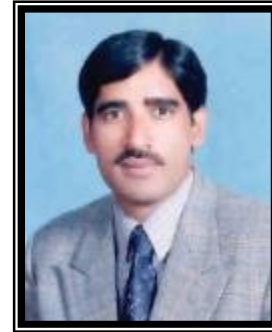
Theoretical Particle Physics with Emphasis on Gauge Theories, Chiral Symmetry, Heavy Quark Spin Symmetry and phenomenology of Particle Interactions; Books published: Quantum Mechanics by Fayyazuddin and Riazuddin, World Scientific, Singapore, 2000; A Modern Introduction to Particle Physics, 2nd edition, World Scientific, Singapore, 2000.



Dr. Tasawar Hayat

Born in Khanewal on January 01, 1969

Associate Professor, Department of Mathematics
Quaid-i-Azam University,
Islamabad, Pakistan.
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Mail: t_pensy@hotmail.com



EDUCATION:

- Ph.D in Applied Mechanics from Quaid-i-Azam University, Islamabad, Pakistan -1999
- M.Phil in Wave Motion from Quaid-i-Azam University, Islamabad, Pakistan - 1994
- M.Sc in Applied Mathematics from Quaid-i-Azam University, Islamabad, Pakistan - 1991

POSITIONS HELD:

- Associate Professor, Department of Mathematics, Quaid-i-Azam University, Islamabad (2005 to date)
- Assistant Professor, Department of Mathematics, Quaid-i-Azam University, Islamabad (2000 – 2005)
- Lecturer, Department of Mathematics, Quaid-i-Azam University, Islamabad (1998-2000)
- Senior Research Associate, Department of Mathematics, Quaid-i-Azam University, Islamabad (1995-1998)

AWARDS:

- Tamgha-i-Imtiaz by Government of Pakistan 2005
- M. Raziuddin Siddiqi Gold Medal by Pakistan Academy of Sciences 1999
- Prof. Abdus Salam Prize in Mathematics 1999
- Young Scientist Award by Third World Academy of Sciences, Trieste, Italy 2000
- PAS Gold Medal by the Pakistan Academy of Sciences 2006
- Khwarizmi International Award by Government of Iran 2004
- 17th KIA ISESCO International Prize 2004
- Distinguished National Professor by Higher Education Commission, 2007

FELLOWSHIPS/MEMBERSHIPS:

- Alexander Von Humboldt Fellow, Darmstadt University, F. R. Germany 2001-2002
- ICTP Associate, International Centre for Theoretical Physics, Italy 2004
- Visiting Scholar, University of Illinois, Urbana-Champaign, USA, 1999
- Visiting Scholar, University of Witwatersrand, Johannesburg, South Africa 2004-2005
- Visiting Scholar, Mmabatho University, Mafiking, South Africa 2005
- Honorary Associate Professor, University of Witwatersrand, Johannesburg, South Africa, 2007 to date

- Associate Editor Islamabad Journal of Science , 2005 to date
- Member of Prof. Abdus Salam Prize Committee , 2005 to date
- Member of Task Force for Mathematics, Higher Education Commission
- Member of Editorial Board, The Open Mechanical Engineering Journal, 2007

RESEARCH AREA:

Wave Mechanics, Newtonian and Non-Newtonian Fluid Mechanics, Mathematical Modeling and Biomechanics.



Dr. Muhammad Ataur Rahman

Born on June 24, 1929

Professor,
International Center for Chemical Sciences,
HEJ Research Institute of Chemistry,
University of Karachi,
Karachi-75270, Pakistan.



Phone: +92 21 99261180-81, Ext: 142

Fax: +92 21 4823887-9

E-mail: marahman@iccs.edu

EDUCATION:

- M.Sc. (Hon's) in Chemistry from the University of Punjab, Lahore -1952
- Ph.D in Biochemistry from University College, London University, UK -1960
- D.Sc (H.C) he Open International University for Complementary Medicine, Colombo

POSITIONS HELD:

- Professor of Biochemistry, International Center for Chemical Sciences, HEJ Research Institute of Chemistry, University of Karachi (Current)
- Head of Department of Biochemistry and Dean of Postgraduate Studies, Ziauddin Medical University, Karachi
- Professor and Chairman, Department of Biochemistry and Coordinator, Basic Medical Science Institute
- Principal, School of Medical Technology, Jinnah Postgraduate Medical Centre, Karachi
- Visiting Professor/Scientist in UK, Sweden and Japan

AWARDS:

- Hilal-i-Imtiaz by Government of Pakistan -2006
- Pride of Performance by Government of Pakistan
- Certificate of Achievement by USAID
- Gold Medal by Pakistan Academy of Sciences
- Visiting Scientist Awards of WHO
- The Royal Society, London and Japan Society for Promotion of Science
- Prize for Meritorious Services in Research, Govt. of Pakistan
- Distinguished National Professor by Higher Education Commission, 2007

FELLOWSHIPS/MEMBERSHIPS:

- Fellow of Academy of Sciences for the Developing World (TWAS)
- National Academy of Medical Sciences, Pakistan
- International College of Nutrition, Japan
- International Union of Nutritional Sciences, USA
- Hon. Fellow of Pakistan Society of Biochemists and Molecular Biologists
- Member: Emeritus, Biochemical Society, U.K.

RESEARCH AREA:

Nutrition and Malnutrition; Biochemistry of Cataract Formation, Diabetes Mellitus and its Complications, Urolithiasis, Glycoproteins and Trace Elements in Health and Disease.



Dr. Zulfiqar Ahmed Bhutta

Born in Peshawar on October 12, 1955

The Noordin Noormahomed Sheriff Professor & Founding Chair
Division of Women and Child Health
The Aga Khan University Hospital,
Stadium Road Karachi.

Phone: +92 21 34864782

Fax: +92 - 21 34934294, 34932095

E-mail: zulfiqar.bhutta@aku.edu



EDUCATION:

- MBBS from Khyber Medical College -1977
- Diploma in Child Health from Royal College of Physicians and Surgeons, London, UK-1980
- M.R.C.P Paediatrics, UK -1981
- FCPS Paediatrics from College of Physicians and surgeons, Pakistan -1987
- Ph.D in Nutrition from the Karolinska Institute, Stockholm -1996
- Fellowship of the Royal College of Paediatrics -1997
- & Child Health, UK (FRCPCH)
- Fellow of Pakistan Academy of Sciences -2004
- Fellow (Hon) American Academy of Pediatrics -2009

AWARDS:

- Rotary Student travelling scholarship (1969)
- BISE Merit Scholarship, Govt of NWFP (1970-72)
- National Talent Scholarship, Govt of Pakistan (1972-77)
- Pfizer Gold Medal in Pharmacology, University of Peshawar(1975)
- "Best Graduate of the Year" Gold Medal. Khyber Medical College(1977)
- University of Peshawar Gold Medal(1977)
- Certificate of Merit (best presentation) Symposium on Paediatric Ophthalmology (Jeddah) (1984)
- Myre Sims Travel Award, Royal College of Physicians (Edinburgh)(1990)
- Fellowship, Royal College of Physicians, Edinburgh(1990)
- Outstanding service award, Karachi Airport Lions Club(1991)
- Faculty Development Award, The Aga Khan University(1991)
- Overseas travelling scholarship, Paediatric Research Society (UK)1992
- Nutrition Research Scholarship, Nestle Foundation, Geneva(1993)
- Scholarship, Swedish Institute, Stockholm, Sweden.(1994)
- Faculty Development Award, The Aga Khan University(1995)
- Academic Support Scholarship, New England Epidemiology Institute, Tufts University, Boston(1995)
- Visiting Scientist Support Grant, Swedish Institute, Sweden(1996-98)
- Outstanding Speaker Award, CME Programs AKU(1996)

- National Book Foundation, Pakistan Award for Publication of Articles in International Biomedical Journals (1997)
- Young Investigator Award, International Union of Nutrition Sciences(1997)
- Montreal (1997)
- Outstanding Speaker Award, CME Programs AKU(1998)
- Nestle Nutrition Research Scholarship (1999)
- Awarded "Tamgha-i-Imtiaz" (Medal of Excellence) for contributions to Education & Research by the President of Pakistan (2000)
- Scholarship, Harvard School of Public Health, to attend Higher (2001)
- Professional Training Workshop, Summer (2001)
- Adjunct Professor, Family Medicine & Community Health, Tufts)University School of Medicine, Boston (USA) (2002)
- President of Pakistan Gold Medal for services to Child Health in Pakistan(2004)
- Distinguished Faculty Award for Research, Aga Khan University (2005)
- Adjunct Professor in International Health, Boston University, Boston, USA(2006)
- Outstanding Paediatrician of Asia Award (APPA, Malaysia)(2006)
- Appointed Distinguished National Professor, Higher Education Commission,)Government of Pakistan(2007)
- Hillman Memorial Lecturer, University of British Columbia, Vancouver.Canada(2007)
- Alpert Lecture, Boston University, Boston(2007)
- Appointed to the Commission for Professional Health Education, Institute of Medicine, USA (2008)
- Program for Global Pediatric Research Global Child Health Award (2008)
- Distinguished Visiting Scholar in Global Health, Boston University (2009)
- Awarded Honorary Fellowship American Academy of Pediatrics (2009)
- Windermere Lecturer Royal College of Pediatrics & Child HealthAnnual Meeting, University of Warwick(2010)

FELLOWSHIPS / MEMBERSHIPS:

International

1. British Paediatric Association (Member) & member International Child Health Group.
2. Paediatric Research Society (UK) (Member)
3. Society for Pediatric Research (USA)
4. Member Executive Council, Commonwealth Association for Paediatric Gastroenterology and Nutrition (CAPGAN). President-elect CAPGAN (2003-6)
5. Asian Conference for Diarrhoeal Diseases (ASCODD) - Member Central Executive Committee.
6. Asian Pan-Pacific Society for Pediatric Gastroenterology & Nutrition (Council Member).
7. International Society for Infectious Diseases (Member).
8. American Society for Clinical Nutrition & Society for International Nutrition Research (Member).
9. Member, Federation of American Society of Experimental Biologists
5. Organizing Secretary, IV Commonwealth Congress on Diarrhoea and Malnutrition, Karachi (November 21-24, 1997)
6. Council Member, Asia Pacific Symposia on Typhoid (1994-2000). Chairman Fifth International

- Typhoid Symposium, Karachi, 2002.
7. Member Pakistan-India Forum for Health and Development (1997 to-date).
 8. Council member, Commonwealth Association for Paediatric Gastroenterology & Malnutrition (1994 to-date). President-elect (2006-10)
 9. Convenor, SAARC Neonatal Forum, 1998 -2004.
 10. Deputy Secretary General (West) Asia-Oceania Federation of Perinatal Societies (1998-2000)
 11. Secretary General & President elect, Federation of Asia Oceania Perinatal Societies (2002-2006)
 12. Chairman, Vth International Typhoid Symposium, Karachi 2002
 13. Member Steering Committee Global Forum for Bioethics since 2000. Chairman Seventh Global Forum for Bioethics, Karachi (2006)
 14. Member Steering Committee, Program for Global Paediatric Research (2003-)
 15. Member Steering Committee, International Pediatric Association (2004-7)
 16. Treasurer, International Pediatric Association (2008-2010)
 17. Member Global Zinc Task Force (2005-2008)

National

1. Member Executive Committee - Pakistan Paediatric Association (Sindh) 1988-90.
2. Member Executive Committee - Pakistan Paediatric Association Center 1994 - to-date.
3. Maternity and Child Welfare Association of Pakistan (Life Member).
4. Pakistan Society for Perinatology (Founder Member) & Secretary General 1989-94.
5. Medical Research Society of Pakistan.
6. General Secretary Pakistan Paediatric Association (Sindh) 1990-92
7. Secretary, Organizing Committee, Pakistan Paediatric Association, Biennial International Paediatric Conference, (Karachi) 1990-92.
8. Secretary, National Neonatal Group, Pakistan Paediatric Association 1994-1998.
9. Member Executive Committee - Medical Research Society of Pakistan 1989 - 1994.
10. Chairman, Child Care Committee, Airport Lions Club Karachi 1990-1992.
11. Treasurer, Pakistan Paediatric Association (Center) 1992 - 1994.
12. Member Executive Committee Pakistan Paediatric Association (Center) 1994-1996.
13. Vice President, Pakistan Paediatric Association (Center) 1996-1998.
14. General Secretary, Medical Research Society of Pakistan 1995 - 1998.
15. Chairman, National Neonatal Group, Pakistan Paediatric Association (1998 - 2000).
2. Member Executive Committee - Pakistan Society of Perinatology (1994 - 2000).
16. Member Executive Committee, Pakistan Paediatric Association (Center). 1998-2000.
17. Chairman Scientific Committee, Biennial Paediatric Congress, Pakistan Paediatric Association (2001-2002)
18. Chairman Scientific Committee, APPSGHAN Congress Pakistan, 2007

RESEARCH AREA:

Dr. Bhutta's research interests include community based prenatal care, interaction of nutrition and infections, micronutrient malnutrition, and maternal and child health policy issues.

Dr. Shahida Hasnain

Chairperson,
Department of Microbiology & Molecular Genetics,
Dean,
Faculty of Life Sciences, Punjab University,
Quaid-e-Azam Campus, Lahore-54590.
Phone: +92 42 35952822
Fax: +92 42 9923 0481
E-mail: genetic@brain.net.pk



EDUCATION:

- Post Doctoral research in Molecular Microbiology, Birmingham University UK, 1995
- PhD in Microbial and Molecular Genetics from Birmingham University UK, 1985.

POSITION HELD

- Dean, Faculty of Life Sciences December 20th 2005 to present
- Member Syndicate University of the Punjab, Feb 6, 2007 – December 19, 2008
- Chairperson, Microbiology and Molecular Genetics Department (8-11-2002 to present)
- Chairperson, Botany Department, Punjab University (Oct. 26, 2002-Oct. 25, 2005)
- Chairperson, Doctoral Programme Co Ordination Committee, November 2005 – present

AWARDS:

- UNESCO/ROSTSCA Award for Young Scientist (1988)
- Wantable book fund by Society for Microbiology UK (1996).
- Second Award in Biology by Pakistan Book Foundation (1996).
- National Education Award by Pakistan Education Forum (2005)
- Fatima Jinnah Gold Medal by Government of Punjab (2006).
- Distinguished National Professor by Higher Education Commission, (2010)

FELLOWSHIPS/MEMBERSHIPS

- Member, Society for General Microbiology, England (since 1984).
- Life, Member, Botanical Society of Pakistan.
- Member, Biological Society of Pakistan.
- Life Member, Pharmacological Society of Pakistan.
- Life Fellow, The Zoological Society of Pakistan.
- Member, Botanical Society of Bangladesh, 1992-93.
- Member, Bangladesh Association for Plant Tissue Culture, 1992-93.
- Member, New York Academy of Science, 1995-98.
- Founder member and life fellow, Genetical Society of Pakistan, vice President, Jan. 1995-Dec. 1995; Jan. 1996-Dec. 1998; President, 1999-2002.
- Life Member, Pakistan Environment Protection Society, since March 1997.

RESEARCH AREA

- Molecular genetic analysis of div gene of *Bacillus subtilis*
- To look for new plasmid vectors for cloning in higher plants:
- Investigation for salt tolerant bacteria and mechanism/s involved in osmoregulation.
- Plant Breeding and Genetics. Heritability estimates genetics correlations and predicted gains from S1 families in two random mated sunflower populations. Genetic studies in some Brassica species and their hybrids
- To look the vectors for biodegradation/bioremediation.
- Genetically Engineered Basmati Rice for Resistance against Bacterial Blight Bacteria offers a simple model for the understanding of morphogenetic processes going on in development.
- Worked on pesticides degrading bacteria
- Worked on Plant microbe interaction is going on in my lab from last eighteen years.
- Bacteria conferring antimicrobial activity isolated, characterized and antimicrobial compounds were isolated purified and their structural were studied.
- Human Genetics with reference to human disorder like Hypertension, noise pollution
- Plant growth stimulation with Bacteria Under salt stress – mono and mixed culture s identified; Under heavy metal stress- specially under chromium stress
- Chromium reduction and removal process by Bacteria and Cyanobacteria
- Use of Bacterial hormones in Tissue culture
- Investigating of mating types and strains of *Phytophthora infestans* : the cause of late blight of potato.
- The use of *Agrobacterium tumefaciens* as a possible biocontrol agent against some insects of economic value
- Antimicrobial efficacy of some medicinal plants against selected poultry pathogen with emphasis on avian pathogenic *Escherichia coli*
- Assessment of genetic variation and inheritance of yield and yield related traits in Lentil (*Lens culinaris Medik*)
- Molecular characterization of Hypertension related genetic Loci of local population
- Bacteria and indigenous streptomycetes for exhibiting antimicrobial activities: Screening for antibiotics and associated genetic studies
- Genetically Engineered Basmati Rice for resistance against Bacterial Blight
- Cyanobacterial Secondary Metabolites: Their Impact on Plant Growth and Fertility Status of Soil
- Phytohormones Cytokinin and IAA from Microbial Origin and Their Impact on Plant Growth
- Sociological impact of agroforestry in Punjab
- Effects of noise on single nucleotide polymorphisms in genes related to hypertension

Dr. Atta-ur-Rahman

Born in Delhi on September 22, 1942

Coordinator General,
COMSTEC, Islamabad,
COMSTEC Secretariat, 33-Constitution Avenue, G-5/2, Islamabad,
Pakistan

Phone: +92 51 922 0681-3

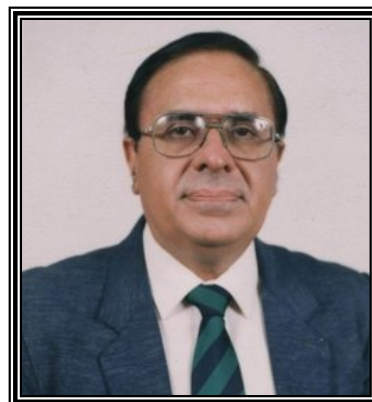
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EDUCATION:

- Doctorate of Education by Coventry University, UK, in 2007
- Doctorate of Science by University of Cambridge in 1987
- PhD in Organic Chemistry from Kings College, Cambridge University, UK (1968).
- MSc in Organic Chemistry from Karachi University
- B.Sc (Hons.) in Chemistry from Karachi University (1963).

AWARDS:

- UNESCO Science Prize (1999)
- TWAS Prize for Institution Building (Higher Education Sector of Pakistan) in Durban, South Africa (2009)
- Tamgha-i-Imtiaz (1983)
- Sitara-i-Imtiaz by Government of Pakistan (1991)
- Hilal-i-Imtiaz by Government of Pakistan (1998)
- Nishan-i-Imtiaz by Government of Pakistan (2002)
- Grosse Goldene Ehrenzeischen am Bande BY Austrian government (2007)
- Distinguished National Professor by Higher Education Commission, (2010)

FELLOWSHIPS:

- Fellow of Royal Society, London, UK (2006)
- Honorary Life Fellow of Kings College, Cambridge University, UK (2007)
- Foreign Fellow of Korean Academy of Sciences

POSITIONS HELD:

- President of Network of Academies of Sciences of Islamic Countries (NASIC)
- Vice-President (Central & South Asia) of the Academy of Sciences for the Developing World (TWAS) Council
- President of the Pakistan Academy of Sciences (2003–2006).

- Federal Minister for Science and Technology (2000 – 2002)
- Federal Minister of Education (2002)
- Chairman Higher Education Commission (2002-2008).
- Advisor on Science to the Prime minister of Pakistan



Dr. Muhammad Sharif

Born in Lahore on June 15, 1962

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EDUCATION:

- PhD, Applied Mathematics from Quaid-i-Azam University Islamabad - 1991
- M.Phil, Applied Mathematics from Quaid-i-Azam University Islamabad -1987
- M.Sc, Applied Mathematics from Quaid-i-Azam University Islamabad - 1985
- B.Sc, Islamia University Bahawalpur

POSITIONS HELD:

- Professor at Mathematics Department, University of the Punjab, Lahore from April 23, 2005 to to-date.
- 2. Associate Professor at Mathematics Department, University of the Punjab, Lahore from August 25, 2001 to April 22, 2005.
- Assistant Professor at Mathematics Department, University of the Punjab, Lahore from Nov. 30, 1995 to August 24, 2001.
- Assistant Professor (Applied Mathematics) at the Institute of Chemical Engg. & Technology, University of the Punjab, Lahore from Feb. 22, 1994 to Nov. 29, 1995.

AWARDS:

- Merit Scholarship award by from Quaid-i-Azam University Islamabad
- Dr. Raziuddin Siddiqi Prize and Gold Medal by Pakistan Academy of Sciences (2002)
- Izaz-i-Fazeelat (Presidential Award) by Government of Pakistan (2007).
- Tamgha-i-Imtiaz by Government of Pakistan (2008).
- Best University Teacher Award by Higher Education Commission (2008)
- Best Research Paper Award by Higher Education Commission (2009)
- Pakistan Academy of Sciences Gold Medal by Pakistan Academy of Sciences (2009).
- Distinguished National Professor by Higher Education Commission (2010)

FELLOWSHIPS:

- Dr. Raziuddin Siddiqi Research Fellowship by Quaid-i-Azam University
- Post-Doctoral Fellowship by Korea Science and Engineering Foundation (2000).
- Post-Doctoral Fellowship by Ministry of Science & Technology (2003).
- Fellow, Pakistan Academy of Sciences (2010).

RESEARCH AREA:

(a) Relativity; (b) Cosmology; (c) Geometry.



Dr. G. Murtaza

Born in Amritsar on January 3, 1939

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EDUCATION:

- D.I.C in Science from Imperial College London
- Ph.D, Theoretical Plasma Physics from Imperial College London -1966
- MA, Applied Mathematics from Punjab University - 1960
- B.Sc, from Punjab University -1958

AWARDS:

- Sitara-i-Imtiaz by government of Pakistan
- Gold Medal by Pakistan Academy of Sciences (1986).
- Distinguished National Professor by Higher Education Commission (2010)

FELLOWSHIPS / AFFILIATIONS:

- Elected Member, The American Physical Society
- Editor-in-Chief, Islamabad Journal of Science.

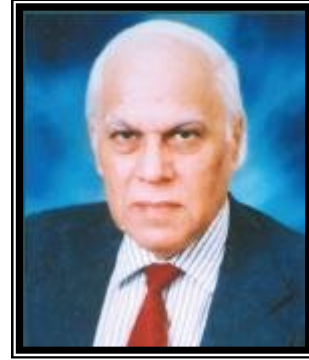
POSITIONS HELD:

- Director, Center of Excellence for Solid State Physics, Lahore, 2000
- Quaid-i-Azam University, Islamabad:
- Dean, Faculty of Natural Sciences, 1997-2000,
- Chairman, Department of Physics, 1977-1979 and 1990 to 1997;
- Meritorious Professor (1993-2000),
- Professor, (1976-1997)
- Associate Professor (1967-1976);
- Scientific Officer/Senior Scientific Officer, Pakistan Atomic Energy Commission, (1962-1969)
- Lecturer, Mathematics Department, University of the Punjab, Lahore (1960-1962)

HIGHER EDUCATION COMMISSION

Dr. Iftikhar Ahmed Malik (Late)

Born in Khairpur on February 18, 1936



EDUCATION:

- King Edward Medical College, Lahore: M.B.B.S. 1958
- Armed Forces Institute of Pathology (AFIP), Rawalpindi, Pakistan
- Diploma in Clinical Pathology (DCP), 1963
- The Royal Free and St. Thomas Hospital Medical School, London MRC Path, 1968
- The University of London: Ph.D., 1971; FCAP, 1971; FRC Path, 1981; FCPS, 1987; FPAMS, 1988; Edinburgh: FRCP, 1993.

POSITIONS HELD:

- Professor Emeritus and Dean, Faculty of Pathology, College of Physicians and Surgeons, Pakistan (CPSP) Professor Emeritus, Baqai and Hamdard Medical Universities, Karachi and National Institute of Health (NIH), Islamabad
- Professor of Medical Research, Pakistan Institute of Medical Sciences (PIMS), Islamabad
- Visiting Professor of Medical Colleges at Quetta, Jamshoro, Peshawar and Lahore
- Principal and Dean, Foundation Medical College, Rawalpindi
- Secretary General Pakistan Academy of Sciences, 1996-1998, National Academy of Medical Sciences, 1988-1992
- Dean of Health Sciences, Margalla Institute of Health Sciences, Islamabad, 1998-2001
- Professor of Pathology, Army Medical College and Armed Forces Medical College, Rawalpindi, 1979-1992
- Commandant, AFIP and Advisor to Medical Directorate, Rawalpindi, 1992-1994
- Chairman Pakistan Medical Research Council (PMRC), 1990-1994
- Consultant (STC), WHO (EMRO), 1996
- Technical Director and Principal Research Investigator, Pak-US Laboratory for Sero-epidemiology (PULSE), Rawalpindi, 1989-1992
- Secretary General, Pakistan Academy of Sciences, 2007

AWARDS:

- Pakistan Medical Research Council (PMRC) Medal First Prize in Biomedical Research, 1986
- Distinguished Service Medal, Uniformed Services University of Health Sciences (USUHS), US Army, 1988
- Pakistan Academy of Medical Sciences (PAMS) Gold Medal for Tropical Disease Research, 1992

- Gold Medal for Services in Pathology, Pakistan Association of Pathologists, 1992
- Gold Medal for Medical Research, Pakistan Academy of Sciences, 1993
- Sitara-i-Imtiaz (Military), 1981
- Hilal-i-Imtiaz (Military), 1992
- Sitara-i-Imtiaz (Civil) in Medicine, 1993.
- Distinguished National Professor by Higher Education Commission, 2006

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: Academy of Sciences for the Developing World (TWAS), 1997
- Islamic Academy of Sciences (IAS), 2000
- Pakistan Academy of Medical Sciences (PAMS), 1988
- American College of Pathologists, (FCAP) 1977
- Royal College of Pathologists, London, (FRC Path), 1981
- College of Physicians & Surgeons, Pakistan, (FCPS), 1987
- Royal College of Physicians (FRCP), Edinburgh, 1993
- Member: Pakistan Medical & Dental Council, 1980-1994
- Pathological Society of UK and Ireland, 1976
- Association of Clinical Pathologists, UK, 1976
- International Academy of Pathologists, 1984
- Pakistan Association of Pathologists, 1980
- Medical Research Society of Pakistan, 1986
- International Editorial Advisory Board, "Tropical Doctors" JAMA-Pakistan and Journal of College of Physicians & Surgeons of Pakistan (JCSP).

RESEARCH AREA:

Infectious diseases, Diarrhoeal Diseases and Acute Respiratory Infections (ARI) in Children



HIGHER EDUCATION COMMISSION

Dr. Ahmad Hasan Dani (Late)

Born in Basna on June 20, 1920

Died on January 26, 2009



Professor Ahmad Hassan Dani, FRAS, SI, HI (20 June 1920 – 26 January 2009), was an eminent Pakistani archaeologist, historian, and linguist. He was among the foremost authorities on Central Asian and South Asian archaeology and history. He introduced archaeology as a discipline in higher education in Pakistan and Bangladesh. Throughout his career, Dani held various academic positions and international fellowships, apart from conducting archaeological excavations and research. He is particularly known for archaeological work on pre-Indus Civilization and Gandhara sites in Northern Pakistan.

AWARDS:

Despite being the first Muslim student of Banaras Hindu University, Dani also scored highest in the graduation exams and received the J. K. Gold Medal from that University in 1944. Among the national awards, Dani received Sitara-e-Imtiaz in 1969, Aizaz-e-Kamal in 1992 and Hilal-e-Imtiaz in 2000 from the Government of Pakistan. In 2004, he was awarded the title of 'Distinguished National Professor' by the Higher Education Commission in recognition of his contributions and achievements. He was also the recipient of various civil awards in Pakistan and abroad. As a prolific linguist, he was able to speak 35 local and international languages and dialects. Internationally, his services in archaeology, linguistics and ancient history were commended through various prestigious honours and awards such as 1998 Légion d'honneur, President of the French Republic, 1997 Aristotle Silver Medal, UNESCO, 1996 Order of the Merit, Government of Germany, 1994 Knight Commander, Government of Italy, 1990 Palmes Academiques, Government of France, 1986 Gold Medal, Asiatic Society of Bangladesh



Dr. Sheikh Arshad Saeed (Late)

Born in Amritsar on February 22, 1939



EDUCATION:

1997, D.Sc., The Open International University for Complementary Medicine, Colombo, Sri Lanka. 1968, Ph.D., Clinical Biochemistry Department of Clinical Biochemistry, Faculty of Medicine, The University of Newcastle upon Tyne, Newcastle upon Tyne, U.K.

AWARDS:

He received The Millennium Gold Medal, in 2002 from South Asia Publications and was awarded PAS Gold Medal, in 2003. Awarded by Pakistan Academy of Sciences. Hilal-e-Imtiaz. Distinguished National Professor by Higher Education Commission, 2004

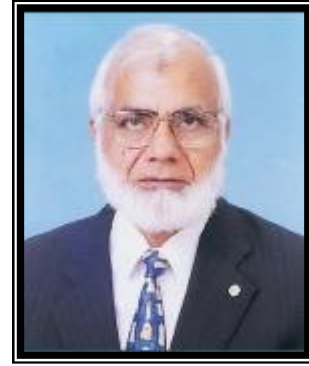
POSITIONS HELD:

He was visiting Professor of Pharmacology Department of Biological and Biomedical Sciences The Aga Khan University, Karachi was also Professor, Pakistan Academy of Medical Sciences. He served as Head, Department of Biochemical Pharmacology Miles-Bayer Laboratories Limited, Stoke Pages, England. Form 1976 to 1981. Assistant Professor Cecil H. & Ida Green Centre for Reproductive Biology Sciences, University of Texas, Health Science Centre at Dallas, Texas, USA. From 1981 to 1983. He was Senior Professor of Pharmacology in Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical Sciences, July 01, 2004 – till death in Jan 2010. He was member of British Pharmacological Society. U.K. The Biochemical Society, U.K. Association of Clinical Biochemists, U.K. (1965-1986) Pakistan Pharmacological Society Biological Sciences Society of Pakistan Medical Research Society of Pakistan European Biological Research Association Royal Institute of Biology, London, U.K. Royal Institute of Biology, London, U.K. Pakistan Academy of Medical Sciences .He was Star Laureate 2002, Awarded by South Asia Publications For contributions to Science and Technology.

HIGHER EDUCATION COMMISSION

Dr. M. Anwar Waqar (Late)

Born in Batala on June 15, 1941



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University of Karachi, Karachi
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EDUCATION:

- Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts Postdoctoral Fellow, 1972-1976.
- Flinders University of South Australia: Ph.D., 1973
- University of the Punjab, Pakistan, M.Sc., 1964

POSITIONS HELD:

- Professor of Cell and Molecular Biology, Dr. Panjwani Center for Molecular Medicine & Drug Research, University of Karachi, Karachi, 2004 to date
- Director of Research and Professor of Cell Biology, Sindh Institute of Urology and Transplantation, Dow Medical College and Civil Hospital, Karachi, 2002-2004
- Professor of Biochemistry and Medical Education, Dept. of Basic Health Sciences, Shifa College of Medicine, Islamabad, 2001-2002
- Professor of Biochemistry, Department of Biological and Biochemical Sciences, Aga Khan University, Karachi, 2001-2002; Professor & Chairman, 1986-2001
- Cancer Research Scientist at RPMI, USA, 1976-1986; Adjunct Professor, Institute of Biomedical Sciences, The University of Lahore, 2001 to date
- Postdoctoral Fellow, Department of Biology, MIT, Cambridge, Massachusetts, USA, 1972-1976
- Assistant Scientific Officer, Pakistan Atomic Energy Commission, Lahore, 1967-1969
- Senior Research Fellow, Pakistan Council of Scientific and Industrial Research, Lahore, 1965-1967.

AWARDS:

- Sitara-i-Imtiaz, Govt. of Pakistan, 2000; Winner of the 7th International Khwarizmi Prize, Govt. of Iran, 1994
- Tamgha-i-Imtiaz, Govt. of Pakistan, 1992
- Zoologist of the Year Award, Zoological Society of Pakistan, 2000
- Convocation Medal of the Flinders University of South Australia, 1993
- Gold Medal, Pakistan Academy of Sciences 1992; Scientist of the Year Award and Prime Minister's Gold Medal, National Book Council of Pakistan, 1991, First Prize for International Publications, National Book Council, 1991.
- Distinguished National Professor by Higher Education Commission, 2005

FELLOWSHIPS/MEMBERSHIPS:

- Fellow: Islamic World Academy of Sciences 2000
- Chemical Society of Pakistan (CSP), 1994; Institute of Biology (IOB), London, 1991
- The Academy of Sciences for the Developing World (TWAS), 1993
- Pakistan Institute of Chemists (PIC), 1993
- Pakistan Society for Biochemistry and Molecular Biology (PSBMB), 1999
- World Academy of Art and Science (WAAS), Minneapolis, Minnesota, USA, 1998
- Zoological Society of Pakistan, 1999
- Pakistan Academy of Medical Science (PAMS), 1987.

RESEARCH AREA:

Genetic causes of stone formation, DNA structure and function, Elucidation of free radical scavengers, Allergies and Asthma in Pakistan.

