

CURRICULUM VITAE

MOHAMMAD ATAUR RAHMAN

Designation:

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Date of Birth: 24 June 1929

Education:

- B.Sc. (Hons) in Chemistry, Government College, Punjab University, Lahore.
- M.Sc. (Hons) in Chemistry, Government College, Punjab University, Lahore.
- Ph.D. in Biochemistry, University College, London University, London (under the guidance of Professor L. M. Kerly, University College, London)
- D.Sc. (H.C.) the Open International University for Complementary Medicine, Colombo.
- Enzyme Histo-chemistry Course, University of Kansas, School of Medicine, Kansas. City.
- Senior Administrative Course in Public Administration and Management, Administrative Staff College, Lahore.
- Senior Management Course (including field study tour of China), Administrative Staff College, Lahore
- WHO Regional Workshop on Research Management, Islamabad.
- WHO Inter-country Course on Hormone Receptor, Tunis.

Academic Posts held:

- Instructor, Dow Medical College, Karachi.
- Assistant Professor of Biochemistry, Jinnah Postgraduate Medical Center, Karachi.
- Professor and Chairman, Department of Biochemistry, Jinnah Postgraduate Medical Center, Karachi.
- Principal, School of Medical Technology, Jinnah Postgraduate Medical Center, Karachi
- Coordinator and Head of the Basic Medical Sciences Institute, Jinnah Postgraduate Medical Center, Karachi.
- Chairman, Academic Council, Jinnah Postgraduate Medical Center, Karachi.
- Professor of Biochemistry and Professor of Biochemistry and Dean of Faculty of Science, Hamdard University, Karachi.
- Professor of Biochemistry and Dean of Postgraduate Studies, Baqai University, Karachi.
- Professor of Biochemistry and Dean of Postgraduate Studies, Ziauddin Medical University, Karachi.

Professional Experience:

- Expert Advisor for the appointment of Professors, Associate Professors and Assistant Professors in the Pakistani Universities.
- Member of the Panel for appointment of Senior Scientific Officers, Pakistan Council of Scientific and Research, Karachi.
- Secretary, Academic Council, Jinnah Postgraduate Medical Center, Karachi.
- Chairman, Board of Studies in Medical Technology, Karachi University.

- Repoteur, Planning and Development Session, CENTO Conference on “Combating malnutrition in Preschool children, Islamabad.
- Chairman, Academic Council, Jinnah Postgraduate Medical Center, Karachi.
- Chairman, Scientific Session, International Congress of Clinical Biochemistry, Prague.
- Chairman, Scientific Session, International Brain Organization UNESCO Seminar, Karachi.
- Examiner of Pakistan College of Surgeons and Physicians, Karachi.
- Examiner in the Departments of Chemistry, Biochemistry, Microbiology and Physiology of Karachi, Sind, Punjab, Peshawar, Gomal and Baluchistan Universities, Pakistan.
- Member of Board of Studies in Biochemistry, Physiology and Pharmacology, Karachi University.
- President, Biochemistry, Nutrition and Microbiology of All Pakistan Science Conference, Peshawar
- Member, Academic Council, Karachi University,
- Moderator, Roundtable discussion in 18th International Congress of Clinical Chemistry and Laboratory Medicine held in Kyoto, Japan in October 2002.

Association with Professional Organizations:

- Fellow of Pakistan Academy of Sciences, Islamabad.
- Fellow of National Academy of Medical Sciences, Lahore.
- Fellow of the Third World Academy of Sciences, Trieste, Italy.
- Fellow of International College of Nutrition, Japan.
- Fellow of Pakistan Academy of Pharmaceutical Sciences, Karachi.
- Fellow of Pakistan Society of Biochemists and Molecular Biologists.
- Fellow of International Union of Nutritional Sciences.
- Member (Honorary), Nutrition Society of Great Britain, London.
- Member (Former), International Society of Clinical Enzymology,
- Member (Former), Association of Clinical Biochemists, UK.
- Founder President, Pakistan Society of Biochemists and Molecular Biologists, Karachi.
- Member, Regional Executive Board, International Diabetes Federation,
- Member (Emeritus), Biochemical Society of Great Britain, London.
- Associate Member, Committee on Analytical Quality, International Federation of Clinical Chemistry.
- Member, Experts Committee for Evaluation for Fellowship of Pakistan Academy of Sciences, Islamabad.
- Member, Membership Committee in Biology, Third World Academy of Sciences, Trieste.
- Chairman, Executive Committee, Pakistan Medical Research Council for the award of Research Projects.
- Member of Technical Committee of Pakistan Science Foundation for Evaluation of Research Projects.
- Member, Peer Review Committee of Philip Morris External Research Program, USA.
- Member, Managing Committee, HEJ Research Institute of Chemistry, University of Karachi,.
- Member (former), Board of Governors, HEJ Research Institute of Chemistry, University of Karachi.
- Member (former), Selection Board, HEJ Research Institute of Chemistry, University of Karachi
- Member (former) Education Committee, International Union of Biochemistry and Molecular Biology, Rio de Janeiro, Brazil.
- Fellow (former) of the Royal Institute of Chemistry, London.

- Fellow (former) of the American Association for the Advancement of Sciences, New York.
- Member (former), Rector's Advisory Committee, United Nations University, Tokyo.
- Member (former), Executive Council, Pakistan Academy of Sciences, Islamabad.
- Secretary (former), Karachi Chapter, Pakistan Academy of Sciences, Islamabad.
- Member (former), Regional Scientific Working Group on Malnutrition of WHO.
- Member (former), Committee for National Nutrition Survey, National Institute of Health, Islamabad.
- Member (former), Advisory Committee on Nutrition and Basic Medical Sciences, Pakistan Medical Research Council, Islamabad.
- Member (former), Advisory Committee on Nutrition, Planning Commission, Government of Pakistan Islamabad.
- General Secretary (former), Pakistan Society of Biochemists and Molecular Biologists,
- President (former), Pakistan Society of Biochemists and Molecular Biologists..
- Member (former), Agricultural Pesticides Technical Advisory Committee, Plant Protection Department, Government of Pakistan, Karachi.
- Active Member (former), New York Academy of Sciences, New York.
- Member (former), American Association of Clinical Research, Washington.
- Member (former), Australian Association of Clinical Biochemists, Sydney.
- Vice President (former), National Academy of Medical Sciences, Karachi.
- Member (former), Awards Committee in Basic Medical Sciences, Third World Academy of Sciences, Trieste.
- Fellow (former) of Pakistan Academy of Medical Sciences, Lahore.

Awards:

- He was awarded the Hilal-i-Imtiaz (the Second Highest Civil award of Pakistan) in Medical Sciences.
- Recipient of President of Pakistan's Award of Pride of Performance in the field of Medicine
- Recipient of Gold Medal of Pakistan Academy of Sciences for outstanding Contribution in Research
- Recipients of the Fellowship of US AID for Postdoctoral work in the USA, Indiana University Medical Center, Indianapolis.
- Recipient of Certificate of Achievement of US AID, Karachi.
- Recipient of Japan Society for Promotion of Science Award of Visiting Professor, Kyoto University Medical Center, Kyoto.
- Recipient of the Royal Society Visiting Scientist Fellowship, London.
- Recipient of First Prize for Meritorious Services in the field of research in Medical Sciences, Government of Pakistan.
- Recipient of Interchange of Rehabilitation Scientist and Experts Program of Vocational Administration, Washington.
- Recipient Fogarty Foundation Fellowship, NIH, USA
- Recipient of WHO Research Worker's Grant, King's College Hospital, London and Karolinska Institute, Stockholm.
- Recipient of WHO Regional Visiting Scientist Program.
- Recipient of Appreciation Plaque for Contribution to Jinnah Postgraduate Medical Center, Karachi.
- Recipient of Dr. Zainul Abedin Commemorative Award of Pakistan Society of Biochemists, Karachi.

- Recipient of D.Sc. (HC), the Open International University, Colombo.
- Visiting Professor, Karachi University.
- Adjunct Professor, University of Lahore, Lahore, Pakistan.
- Recipient of Excellent Poster Award of 18th International Congress of Clinical Chemistry, Japan.
- Recipient of Gold Medal, XIII Star Award, South Asia Publications, Pakistan.

Administrative Experience:

- Attended Senior Administrative Course and VII China Course in Public Administration and Management at Pakistan Administrative Staff College, Lahore.
- Chairman, Department of Biochemistry, Jinnah Postgraduate Medical Center, Karachi (for more than 25 years).
- Principal, School of Medical Technology, Jinnah Postgraduate Medical Center, Karachi.
- Coordinator and Head of Basic Medical Sciences Institute, Jinnah Postgraduate Medical Center, Karachi.

Research: Theses:

- For M.Sc. Punjab University, "Studies on Oleoresin", and "Microbiological Estimation of Pantothenic Acid".
- For Ph.D. London University, "Metabolism of Retina".

Postdoctoral Training and Research:

- Indiana University Medical Center, Indianapolis, USA. Trained in Methods in Endocrinology and worked on the Metabolism of Thyroid with Professor W. P. Deiss, Professor of Medicine and Biochemistry.
- University of Kansas School of Medicine, Kansas City, USA. Histochemistry Course (Dr. W. D. Nelligan, Department of Postgraduate Medical Education).
- Kings College Hospital Medical School, London. Training in Radioimmuno-assay of Hormones (Dr. John Newton, Department of Obstetrics and Gynecology).
- Visiting Scientist of WHO at Karolinska Institute, Stockholm. Training in Reproductive Endocrinology Endocrinology (Professor E. Diczflusy, Director of WHO Training Center for Reproductive Endocrinology),
- Visiting Scientist of WHO, Lecture tour in the Universities and Medical School in Eastern Mediterranean Region.
- Visiting Professor of Japanese Society for Promotion of Science at Kyoto University Medical Center, Kyoto, Research in Metabolism and Endocrine Diseases (Professor Takashi Murachi, Chairman, Department of Clinical Sciences).
- Visiting Scientist of the Royal Society at Oxford University, Radcliffe Infirmary and John Radcliffe Infirmary, Oxford (Professor Sir Philip Randle, F.R.S.),

Supervision of Theses:

- Supervisor of 74 M.Phil. Theses and 13 Ph.D. theses with the approval of foreign examiners and a number of M.Sc. theses.
- At present supervising 2 M.Phil. And 3 Ph.D. students.
- At present supervising One Post-doctorate Fellow (funded by Pakistan Science Foundation).

Research Projects:

He has (had) the following research Projects, supported by National and International Organizations:

- Co-investigator, Iron Absorption Studies in Malnourished Children (Supported by International Atomic Energy Commission, Vienna)
- Principal Investigator, Prevalence of Liver Disease in Women of Child bearing ages (Supported by National Research Institute of Fertility Control, Government of Pakistan)
- Principal Investigator, Studies on Urolithiasis in Pakistan, (Supported by Office of the Naval Research, Washington).
- Co-Investigator, Protein-rich Vegetable Food Research Project (Supported by US Department of Agriculture, Washington).
- Co-Investigator, Schizophrenia Research Project, Department of Neurology, Jinnah Postgraduate Medical Center, Karachi (Supported by US Department of Vocational Rehabilitation, Washington).
- Co-Investigator, Inborn Errors of Metabolism Research Project, Department of Pediatrics, Jinnah Postgraduate Medical Center, Karachi (Supported by US Department of Vocational Rehabilitation, Washington).
- Co-Investigator, Cardiovascular Research Project, National Institute of Cardiovascular Diseases, Jinnah Postgraduate Medical Center, Karachi (Supported by US Department of Vocational Rehabilitation, Washington).
- Chief Scientific Investigator, Trace Elements status of Urban and Rural Populations in Pakistan, (supported by International Atomic Energy Agency, Vienna).
- Principal Investigator, Biochemical Studies on the Cataractous Human Lenses (Supported by Pakistan Science Foundation, Islamabad).
- Principal Investigator Studies on Insulin levels and insulin Antagonism in Diabetic Patients (Supported by Pakistan Science Foundation, Islamabad).
- Principal Investigator, Investigations on the therapeutic value of Indigenous Plants used in Traditional Medicine for Control of Diabetes, (Supported by Pakistan Science Foundation, Islamabad)
- Principal Investigator, Studies on Iron supplementation in children and iron absorption in adults using radioisotope technique, (Supported by Pakistan Atomic Energy Commission, Islamabad).
- Principal Investigator, Investigation of blood lead and manganese levels of children with different degrees of iron deficiency in Karachi, (in collaboration with Manchester Metropolitan University and supported by Nestle Foundation, Switzerland).
- Principal Investigator, Variation of adipolectin, leptin and lipid profile in diabetic post-menopausal women with or without complications of ischemic heart disease, (supported by Pakistan Science Foundation, Islamabad)

Organization of Symposia and Seminars:

- Organized, Refresher Course for Teachers of Biochemistry with the help of International Union of Biochemistry and WHO, Jinnah Postgraduate Medical Center, Karachi.
- Organized, Symposium Biochemistry of Cataract Formation at the Seventh Congress of Asia Pacific Academy of Ophthalmology, Karachi.
- Organized and actively participated at the Fourth Annual Medical Symposium of Jinnah Postgraduate Medical Center, Karachi, 1965
- Organized and actively participated at the Fifth Annual Medical Symposium of Jinnah Postgraduate Medical Center, Karachi, 1966.
- Organized and actively participated at the Sixth Annual Medical Symposium of Jinnah Postgraduate Medical Center, Karachi, 1967.

- Organized and actively participated at the International Brain Research Organization / UNESCO Seventh Regional Seminar and Workshop on Neurochemical and Neuroendocrinological Methods in Brain Research held at Jinnah Postgraduate Medical Center, Karachi, 1968.
- Organized and participated in the Refresher Course for the Teachers of Biochemistry in Pakistan under the auspices of the Pakistan Society of Biochemists and International Union of Biochemistry held in Karachi in November 1977.
- Organized and actively participated at the First International Symposium on Diabetes, held in Karachi, 1982.
- Organized and participated in the Course on Topics in Modern Biochemistry under the auspices of the Pakistan Society of Biochemists and International Union of Biochemistry held in Karachi 1985.
- Organized the Sixth Symposium of Federation of Asian and Oceanian Biochemistry and International Union of Biochemistry Symposium # 171, held in Karachi in collaboration with Pakistan Society of Biochemists and International Union of Biochemistry and Molecular Biology, 1987.
- Organized and conducted the Microcomputer Teaching Workshop held in the Department of Biochemistry, Jinnah Postgraduate Medical Center, Karachi in collaboration with Pakistan Society of Biochemists and International Union of Biochemistry and Molecular Biology, from November 2-4, 1987.
- Organized the scientific program as Chairman Scientific Committee, Participated in the World Congress in the Tropics and Developing Countries of International Diabetes Federation Regional Congress, held in Karachi, 1992.
- Organized and conducted the Workshop on Trends in Biochemical Education held in Baqai University, Karachi in collaboration with Pakistan Society of Biochemists and International Union of Biochemistry and Molecular Biology, 1994.
- Organized a Workshop on Diabetes and its Complications at the 18th International Congress of Clinical Chemistry and Laboratory Medicine, held in Kyoto, Japan, 2002.

Teaching Experience:

Taught Biochemistry and Clinical Biochemistry to undergraduate and postgraduate students at:

- (a) University College, London;
 - (b) Indiana University Medical Center, Indianapolis, USA;
 - (c) Dow Medical College Karachi;
 - (d) Jinnah Postgraduate Medical Center, Karachi,
 - (e) Baqai University, Karachi,
 - (f) Ziauddin Medical University, Karachi.
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