

Syed Ziaur Rahman
(MD, PhD, FIMSA, MAMS, CMCL-FAIMER Fellow)
Professor, Department of Pharmacology
JN Medical College & Hospital, AMU, Aligarh
&
Deputy Medical Superintendent, JNMCH, AMU, Aligarh

Biography

Prof. Syed Ziaur Rahman is working in the field of Pharmacology for the last 20 years with vast research experience in basic and clinical pharmacology at undergraduate and postgraduate levels. As a scholar, he has to his credit 7 published books, 10 chapters and more than 160 research papers/case-reports in both national and international journals. He edited 11 periodicals and has been invited to deliver several lectures both as guest speaker and as resource person. He attended 60 Workshops/Training Programs and presented papers during 44 International Conferences and 61 National Conferences. He himself organized two international conferences/CMEs and many national conferences/symposiums and handled 7 academic projects.

He earned his matriculation in 1987 from Minto Circle School, graduation (MBBS) in 1995 and postgraduation (MD) in 2000 from Jawaharlal Nehru Medical College, Aligarh. His PhD thesis was a part of the Sax Institute's project on health, medications and lifestyle factors in relation to self-rated memory from UWS School of Medicine, University of Western Sydney, Australia.

He has been on the board of various academic bodies in India and abroad such as Advisory Council Section 1 (Medical Education) of International Association of Medical Colleges, and also on editorial board panel of many academic journals such as 'Clinical Researcher', 'Newsletter of Ibn Sina Academy', 'International Archives of BioMedical and Clinical Research' and 'Journal of Pharmacovigilance & Drug Safety'. He is involved with and/or member of 40 learned educational bodies including International Medical Sciences Academy (FIMSA), National Academy of Medical Sciences (MAMS), International Brain Research Organization, International Society for Neurochemistry, International Society of Pharmacovigilance, South African Pharmacological Society, Indian Science Congress Association, Indian Medical Association, Safety Pharmacology Society, Australian and New Zealand Society of the History of Medicine, Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists, IndiaCLEN (Regional network of INCLEN), Indian Science News Association (Science and Culture), Association of Physiologists and Pharmacologists of India, Indian Pharmacological Society and Academics of Indian origin, Australia.

Many scholars and institutions have cited his works including in few Pharmacology books. Under his supervision and co-supervision, 16 candidates have either completed or are completing their thesis/dissertation works. He is invited as external examiner to several medical and pharmacy colleges for BDS, MBBS, MD, PhD, M. Pharm and MSc (Pharmacology) examination and also served as expert for various selection committees for the post of Senior Residents, Assistant Professors and Associate Professors.

Contribution in medical science

1. Alternatives to animal testing: He believes in the philosophy of "Three Rs" of Russell and Burch". He gave series of lectures during 2004 at "Alternatives, Animal Welfare and the Curriculum – A training Seminar and Workshop" in different cities of India. He addressed in the meetings of International Network for Humane Education (InterNICHE) and International Centre for Alternatives in Research and Education (I-CARE). On the recommendation of Medical Council of India (MCI), and after getting survey related to the attitude of undergraduate medical

students towards Alternatives to animal testing and Animal experiments, he initiated a separate lab in 2006 on "Alternatives to Animal Experimentation" in the Department of Pharmacology at Jawaharlal Nehru Medical College. This is a first attempt in any medical college of India to have an exclusive lab where experimental work on animals is demonstrated and taught by Computer aided education. In addition, he edited "A guide to alternatives to animal experiment in pharmacology", which is included in the curriculum of second professional MBBS course (4th edition). He even involved in preparing CAL software (CD ROMs: EP Dog on Effects of drugs on dog BP and heart rate with JIPMER, Pondicherry) and translated few papers into Urdu in the field of Alternatives to animal testing.

Because of such an involvement and experience in the field of simulations and alternatives, a national workshop cum CME with the support of MCI was organized during 24-25 February 2014 at the Department of Pharmacology with a motive to train and instill confidence to others on the use of alternatives to animal experimentations, and to encourage participants to adopt these alternatives in their teachings and also to start similar labs in their colleges and departments.

2. Traditional medicine: He works in the field of Traditional medicine with special reference to Unani medicine. While working on morphine de-addiction properties of medicinal plants, he proposed a modified method for moderately and severely induced morphine dependent rats. He specifically screened Delphinium denudatum for its protective activity in morphine induced physical dependence..

3. Pharmacovigilance: In the field of Pharmacovigilance, he reported several cases of ADRs first time, including nimesulide induced hepatitis in children and coronary artery insufficiency (CAI) in adults, gatifloxacin induced pupura, amantadine and lansoprazole induced skin reactions. He also worked in Herbal Pharmacovigilance and gave the concept of Environmental Pharmacovigilance. The term, "Pharmacoenvironmentology" for the study of drugs at therapeutic doses and its impact on environment was coined by him. He differentiated the earlier terminology 'Ecopharmacology' from 'Pharmacoenvironmentology'. In addition, he is the founder member of 'Society of Pharmacovigilance, India (SoPI). In 2003, he started (editor-in-chief), Journal of Pharmacovigilance & Drug Safety (ISSN 0972-8899), which is an official journal of SoPI and edited its first 2 issues. He served SoPI in various capacities and organized its 14th Annual Conference (SOPICON 2014) at JNMC, AMU, Aligarh. He was part of the Local Organising Committee (LOC) of International Society of Pharmacovigilance (ISoP 2016) held at Agra. Currently, he is representing SoPI as National Secretary.

Medico-social services

He is the founder trustee and treasurer of Ibn Sina Academy of Medieval Medicine & Sciences, Aligarh and an Associate Editor of its quarterly newsletter (NISA). He coordinated in the establishment of the Library, Museum on History of Medicine & Sciences, Centre for Safety & Rational Use of Indian Systems of Medicine & AIDS Cell as corpus body of the Academy. The Academy is designated as "Centre of Excellence" by Ministry of AYUSH, Govt. of India and listed in the Directory of History of Medicine Collections, US Department of Health and Human Services, National Library of Medicine, NIH, USA. He arranged many medical camps on the occasion of World AIDS Day, World Health Day and World Tuberculosis Day.

Awards and Honours:

He was awarded with Pharma Ratan Award 2017 (Healthcare Category) of RDM, Servier Young Investigator Award of International Union of Pharmacology (1999), Junior Scientist Award of Safety Pharmacological Society of USA (2006), The African Institute of Biomedical Science and Technology (AiBST) Scholarship for Kenya, 2003, WHO Fellowships to attend the 2nd Asian

Course on ED & RDU in Kuala Lumpur (Malaysia) and Second International Conference on Improving Use of Medicines (ICIUM 2004) in Chiang Mai (Thailand). He is also recipient of APSN Fellowship and ISN Fellowship for 6th Biennial Meeting of the Asia Pacific Society for Neurochemistry, 2004, Hong Kong and 20th Biennial Meeting of the ISN-European Society for Neurochemistry (ESN), Austria, 2005 and First Special Neurochemistry Conference, International Society for Neurochemistry (ISN), France, 2004, respectively. He also got International Postgraduate Research Scholarship (IPRS) to pursue PhD from University of Western Sydney, Australia (2010-2012). He is invited to serve as member panel of jury to select “Science Scholars’ Awards 2016” of Sun Pharmaceutical Science Foundation, Best poster presentation for ISoP Prize 2016 of International Society of Pharmacovigilance, N. N. Dutta Prize 2004 of Indian Journal of Pharmacology.