

Brief Biography of Professor Dr. Ahmed Kamal

Professor Ahmed Kamal is a distinguished scientist and an academician, with over three decades of scientific research and contributions. He currently serves as the Senior Professor Emeritus for the Department of Pharmacy at Birla Institute of Technology and Sciences (BITS) Pilani Hyderabad Campus. He was also a Consultant at the Telangana Council of Science & Technology (TGCOST) in the Environment, Forests, S&T Department for the Government of Telangana, wherein he coordinated the Skill Vigyan Programme of the DBT.

Born in Hyderabad, Telangana, Prof. Kamal's academic journey began with a Bachelor's degree in Chemistry from Osmania University, followed by a Master's degree in Organic Chemistry, eventually culminating in a Ph.D. in Medicinal Chemistry from AMU, Aligarh. After completing his doctoral studies, he joined the CSIR-Indian Institute of Chemical Technology (IICT) in Hyderabad as a Scientist and contributed immensely to the field of bioorganic and medicinal chemistry research. Prof. Kamal enriched his research experience through post-doctoral work at the University of Portsmouth, England, and also at the University of Alberta in Canada. His research for over three decades at IICT was mainly focused on the design and synthesis of gene-targeting compounds, and nature inspired molecules as novel anti-cancer agents. His significant contributions have given him the opportunity for leading the National Institute of Pharmaceutical Education and Research (NIPER) in Hyderabad and also as the Director and Outstanding Scientist of CSIR- IICT, Hyderabad.

His work also encompasses the development of novel chemical entities for anti-tubercular and anti-malarial applications, as well as pioneering research for the development of efficient synthetic methodologies with applications in pharmaceutical chemistry, including solid-phase, resin-bound reagents, and chemo-enzymatic strategies.

His prolific research output includes over 570 publications, with more than 17,300 citations (h-index of 60), over 30 review papers, and 10 book chapters, primarily focused on medicinal chemistry; filed more than 430 US, PCT and Indian patents. Notably, five of his US patents have been licensed to a pharmaceutical company for clinical development. Several of the new compounds from these patents are currently undergoing pre-clinical studies. Coordinated the US-India Consortium for the Development of Sustainable Advanced Lignocellulosic Biofuel Systems under the Second-Generation Biofuels for the Indo-US Clean Energy Research Initiative. During his tenure, he has successfully completed more than 30 international and national projects obtained from various funding agencies.

He was recognized as an Outstanding Scientist for his many contributions to the field. His accomplishments have garnered numerous accolades and awards, including the CSIR Young Scientist Award in Chemical Sciences (1991), and the Best Patent Award from the Indian Drug Manufacturers Association (2005). He has also been honoured with a Medal from the Chemical Research Society of India (2005), the Ranbaxy Research Award in the field of Pharmaceutical Sciences (2005), the UKIERI Standard Award for Biomedical Solutions between India and the UK (2006), the OPPI Scientist Award from the Organization of Pharmaceutical Producers of India (2009) and the Most Outstanding Researcher in the field of Chemistry by Careers 360 (2018). Dr. Kamal holds the distinction of being a Fellow of the National Academy of Sciences,

India (1999), a Fellow of the A. P. Academy of Sciences (2010) and a Fellow of the Royal Society of Chemistry (2011). In 2017, he was appointed as the Pro-Vice Chancellor of Jamia Hamdard University, New Delhi.

Beyond his research contributions, Professor Kamal played an instrumental role in establishing the Biotechnology Incubation Center at the Biotech Park in Hyderabad. Significant inputs have been provided for the conceptualization and setting up of the National Centre for Research and Development in Bulk Drugs (NCRDBD) at NIPER. His dedication to nurturing the next generation of scientists is evident in his guidance to more than 110 Ph.D. students for their doctoral programs. He also serves as an editorial Advisory Board Member for several peer-reviewed international journals.