

Prof. Dr. Muhammad Raza Shah*Professor/ General Manager*International Center for Chemical and Biological Sciences (ICCBS),
H.E.J. Research Institute of Chemistry, University of Karachi.**Field:** Nanotechnology/Drug Delivery

Prof. Muhammad Raza Shah is a Professor at the International Center for Chemical and Biological Sciences (ICCBS) - leading a research group of Supramolecular Chemistry and Nanochemistry. Furthermore, he is the general manager of the Center for Bioequivalence and Clinical Research (CBSCR). Prof. Shah completed his doctoral research in 2003 under a sandwich program at Max-Planck Research Institute for Polymer Mainz, Germany and HEJ followed by Post-Doctoral research at the University of Geneva, Switzerland. Among the many awards, he received the Civil Award (*Tamgha-i-Imtiaz*) by the President of the Islamic Republic of Pakistan in 2015.

Prof. Shah has over 380 research publications, authored three books; edited two books and seven chapters. In addition, he has two US patents to his credit. His current research interests revolve around the synthesis of artificial drug delivery systems based on the principles of synthetic supramolecular chemistry, the exploitation of the orientation of various rings like porphyrins, calix[n]arenes and cyclodextrins to form receptors; functionalization of metal-based nanoparticles.

Some of the awards and distinctions received by Prof. Muhammad Raza Shah include: Dr. M. Raziuddin Siddiqi Prize (2015) by Pakistan Academy of Sciences, Avicenna Science & Innovation Award (2015) by Brain Trust UK and Abdus Salam Award in chemistry (2006) for young scientist. His authored book was declared best book in 2017 by the HEC. He was also declared top scientist for the year 2019 by government of KPK.

Prof. Shah has also won 10 research grants as a principal investigator including six million PKR grants from the Higher Education Commission of Pakistan along with a 10,000 USD grant sponsored by COMSTECH-ISESCO. In addition, he was awarded a grant worth of 8600 USD by International Foundation for Science; a grant worth of 21424\$ by the Organization for the Prohibition of Chemical Weapons.

Furthermore, Prof. Muhammad Raza Shah holds memberships in various institutes such as Member of Max-Planck Research School for Material Sciences. Prof. Shah is a fellow of the International Union of Pure and Applied Chemistry, the Chemical Society of Pakistan and Pakistan Academy of Sciences. Furthermore, he is an editor of the Journal of the Chemical Society of Pakistan.

Further Information: <https://iccs.edu/page-hej-faculty?faculty-page=22>