

DR. HUSSAIN is a tenured professor at department of Chemistry & Chemical Engineering, SBA School of Science & Engineering (SBASSE), Lahore University of Management Sciences (LUMS). He is among the founding members of SBA School of Science & Engineering (SBASSE), LUMS, and has led the Chemistry department during its formative years (2010-2016), which has now been upgraded to the Department of Chemistry & Chemical Engineering. Prior to joining LUMS, Dr. Hussain spearheaded research and development program in Nanobiotechnology at National Institute for Biotechnology & Genetic Engineering (NIBGE), Faisalabad, and developed a Nanotech group/facility that is now one among the few leading Nanotech groups in Pakistan. He has published ~130 research



articles in prominent journals including *Nature Materials*, *Science Advances*, *Nature Communications*, *Chem Soc Rev*, *Angew Chem Int Ed*, *Advanced Materials*, *J Am Chem Soc*, *Small*, *ACS Applied Materials & Interfaces*, *ACS Applied Energy Materials*, *ChemSusChem*, *Chem Commun*, *Langmuir* and *Nanoscale* etc. His primary research interests include synthesis and applications of metal/metal oxide nanoparticles in biomedical sciences, renewable energy technologies, environmental remediation and catalysis. In order to sustain his research group, Dr. Hussain has received several National/International competitive research grants, as Principal Investigator, well over 1 million USD, notably a joint Pak-US project funded by Pakistan Higher Education Commission (HEC) & US National Academy of Sciences, Pak-German joint project funded by DAAD and a funding from Global Challenge Research Fund (EPSRC, UK).

Dr. Hussain has developed several effective research collaborations with the leading nanomaterials groups in USA, Europe, China, Saudi Arabia (KAUST) and several National Institutions in Pakistan and have visited many of these institutions as a visiting faculty notably UMass, Amherst, EPFL (Switzerland), KAUST (Saudi Arabia) and several universities in China. In 2016, Dr. Hussain got a Charles Wallace Fellowship to visit the University of Cambridge, UK. He has also been invited at Huazhong University of Science & Technology (HUST), Wuhan, China, as a Foreign Professor in 2017 and 2019. Dr. Hussain has served as the Chair of National Nanotech Experts Panel at Pakistan Council for Science & Technology in 2015 and currently is the member of the National Core Group of Chemistry and Chair of the National Core Group of Nanotechnology formed by the PM Task Force on Science & Technology. He has also been awarded 02 *Gold Medals in Chemistry by Pakistan Academy of Sciences (PAS)* in 2007 (Prof. Atta-ur-Rahman Gold Medal) & 2014 (PAS Gold Medal). More recently, Dr. Hussain has also been admitted as a Fellow of Royal Society of Chemistry (FRSC).

For more information, his professional profile can also be viewed at [LUMS](#), [Wikipedia](#), [LinkedIn](#) and [Google Scholar](#) etc.