



ABOUT PROF. R. K. SHARMA

Dr. R. K. Sharma is currently a Professor and Coordinator of Green Chemistry Network Centre, established at the Department of Chemistry, University of Delhi. He is also the Honorary Secretary of Royal Society of Chemistry London (North India Section) and Incharge of International Chapter of The American Chemical Society–Green Chemistry Institute (GCI).

After obtaining his doctoral degree in 1986 from University of Delhi, Prof. Sharma worked on JSPS Post Doctoral Fellowship at much reputed Kumamoto University and University of Tokyo Japan. He has a teaching experience of more than 25 years at Department of Chemistry in subject areas related to biochemistry, analytical chemistry, catalysis science, organometallics and inorganic chemistry. He has successfully supervised the research work of 27 Ph.D. and M.Phil students and published more than 130 research papers including reviews, articles and book chapters in several esteemed International journals such as Green Chemistry, ACS Sustainable Chemistry and Engineering, Dalton Transactions, Chemcatchem, Co-ordination chemistry reviews, Journal of Material Chemistry, A etc. His research interests primarily focus on the fabrication of metal selective functionalized silica gels for their applications as scavengers, sensors and catalysts, designing of novel metal-chelating inhibitors of transcription factor NF- κ B-DNA binding, chemical speciation, molecular modelling studies etc. He is the distinguished recipient of several prestigious awards like 2010 INSA-JSPS award to visit Japan, 2010 UGC-TEC award to visit Mauritius, 2002 INSA-JSPS award, 1999 World Green Award, 1998 Research Grant Award by Royal Society of Chemistry London, 1998 Japan Society For The Promotion Of Science (JSPS) Post Doctoral Award, 1995 Indo-German Award and 1995 UGC National Research Scientist award. Besides, he is also the member of various committees constituted by Govt. of India, many central Universities and institutes. For instance: He is the Chancellor's nominee on the selection committees in Chemistry for M. D. University Rohtak, member of selection committee of Rajasthan, NIT Patna, Dayal Bagh University Agra, BITS MESRA, Ministry of Textiles, Thapar University, ITM University, Hans Raj College, K.M. College, D.D.U. College, Maitreyi College, Deshbandhu College, Miranda House College, Zakir Hussain College, Rajdhani College, ARSD College and UGC member of expert committee.

Amongst Prof. Sharma's incredible achievements, the indispensable role played by him in popularizing Green Chemistry in India is really worth appreciating. Be it lectures, keynote addresses or organizing workshops, he has done it all for educating the masses including young enthusiastic researchers about the significance of green chemistry and why it should be adopted by all. Strikingly, he has organized more than 25 International Workshops/ Conferences/ symposiums and delivered over 110 keynote addresses/lectures/presentations at various national as well as international platforms. Because of his efforts, he even received the IUPAC CHEMRAWN GCI-DEN Grant for three consecutive years (2005, 2006 & 2007) for Green Chemistry Networking in India and was also invited by DST (Govt. of India) to act as a member of Green Chemistry Experiments Monograph Committee for undergraduate and postgraduate students. Recently, the Chancellor of Central University Gujarat, Professor Y.K. Alagh, former Union Minister of State for Science and Technology, former Vice-Chancellor of JNU honored Professor R. K. Sharma coordinator GCNC for his contribution for popularization of Green Chemistry in India during inaugural function of International Conference on Emerging Trends in Chemical Sciences. Also, he was invited by ACS-GCI to present the activities of GCNC on the ACS 19th Annual Green Chemistry & Engineering Conference held in July, 2015 at Washington DC USA and UK Science & Innovation Network to act as an Indian expert on Green Chemistry at Durban South Africa on 22nd August, 2014. Truly, it is Prof. Sharma's sheer dedication and passion towards green chemistry that has won him so much of accolade worldwide.

The GCNC has been continuously working for sustainable and socio-economic solutions for the problems associated with metal contaminated wastewater. The integration of sustainability and solid phase extraction methodology has already been implemented in the form of silica based organic-inorganic hybrid materials for the recovery of heavy metals from different charged wastewaters. Moreover, a newly designed reactor with full automated modes has been developed for large scale, online, efficient and fast extraction of chromium from tannery waste using metal specific chelating polymer. Such technologies would certainly minimize water pollution and increasing its quality as industrial wastes containing organic solvents and metal contaminants make the water sources unfit for drinking and other human uses. Recently, Prof. Sharma's group jointly with

TERI developed a technology for metal remediation. This technology was demonstrated before US experts who visited during last 'Water Quality workshop' and it was well reported by 'Times of India' News Paper.