PROFESSOR SANJAY K SRIVASTAVA

Professor Sanjay K Srivastava (born August 1963) completed his B.Sc.(Hons.), M.Sc.(Inorganic) and Ph.D. from University of Lucknow, Lucknow. He joined School of Studies in Chemistry, Jiwaji University as Lecturer in December 1988. He went to Division of Hydrocarbon Chemistry, Kyoto University, Japan as Monbusho fellow from October 1994 to August 19995. He became Reader in July 1998 and subsequently Professor in July 2006 in the School of Studies in Chemistry. Professor Srivastava has published several papers in National and International journals. He has completed projects from DST, CSIR and UGC. He has supervised a number of Ph.D. and M.Phil. Students. Currently, a number of research students are working under his supervision. His areas of research include development of synthetic methodologies; synthesis, characterization, ligation and applications of chalcogen, organochalcogen ligands; synthesis, characterization of heterogeneous catalysts and their application in organic synthesis

Selected Publications

1. First structurally characterized anion exchange product of noval cyclohexane containing substituted thio piperazinium chloride [$C_6H_{11}S(CH_2)_3C_4H_9N_2C_6H_5Cl$ (L^1Cl)]: Synthesis, crystal structure and supramolecularity of (L^1NO_3), *Inorganic Chemistry communications*, 76 (2017) 8–11.
2. Synthesis, spectroscopic characterization, DFT studies and biological activity of bis (1-(ethyl) piperidine) diselenide (L) and its complexes with selected group 12 metal halides, *Inorganica Chimica Acta*, 478 (2018) 222-231.
3. Synthesis, spectral characterization, DFT studies and biological activity of novel Ligand 1 ‐ (2 ‐ cyclohexyl thioethyl) piperidine and its complexes with group 12 metal chlorides, *Appl. Organometal. Chem*., 32 (2018) e4329.
4. Synthesis of t-butyl 2-(4-hydroxy-3-methoxybenzylidene) hydrazine carboxylate : Experimental and theoretical investigations of its properties, *J. Molecular Structure*, 1164 (2018) 516 – 524.

5. Theoretical and experimental investigations into structural, electronic, molecular and biological properties of 4-(3-chlorophenyl)-1-(3-chloropropyl) piperazin-1-ium chloride, *J. Molecular Structure*,1168 (2018) 242 – 249.
6. Synthesis, spectral characterization, crystallographic analysis, DFT studies, bioevaluation and anion exchange reactions of 1-(3-chlorophenyl)-4-(3-phenylseleno propyl) piperazinium chloride, *J. Molecular Structure*,1176 (2019) 117-127.

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