

BIO-DATA

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Date of Birth : 7th Dec, 1958

Marital Status : Married

Nationality : Indian

Research Experience : Total **20** Years

Number of Ph. D. Produced : 01 completed; 02 currently working

Research Publications : Recent 10

Scholarship/Fellowship : Senior Research Fellowship (CSIR);
Research Associateship (UGC)

Field of Research : Bioinorganic Chemistry

RESEARCH PUBLICATIONS

1. N-(naphthyl)-N'-(methoxy carbonyl) thiocarbamide and its Cu(I) complex: Synthesis, spectroscopic, X-ray, DFT and in vitro cytotoxic study. Durga P. Singh, Seema Pratap, Sunil K. Pandey, Ray J. Butcher and Gaetano Marverti, *Journal of coordination Chemistry* 68 (2015) 261-276.
2. Solvent induced geometry transformation of trigonal planer Cu(I) complexes of N-((2/4-methoxy carbonyl) phenyl)-N'-(ethoxy/methoxy carbonyl) thiocarbamides to square planer Cu(II) complexes: Synthesis, spectral, single crystal and DFT study. Durga P. Singh, Seema Pratap, Madhulata Shukla, *Inorganica Chimica Acta* 423 (2014) 386–396.
3. Structural and spectral speciation on methyl 2-(3-(furan-2-carbonyl)thioureido)benzoate: A Comparative experimental and theoretical study. Durga P. Singh, Seema Pratap, Sushil K. Gupta and Ray J. Butcher, *Journal of Molecular Structure* 1048 (2013) 500–509.
4. Synthesis, Characterization and Crystal structure of Thiadiazole Derived from Aroylthiourea. Durga P. Singh, Seema Pratap, Ray J. Butcher, Sushil K. Gupta, *J. Chemical Crystallography* 44 (2014) 115–122 .
5. Synthesis, Spectroscopic Characterization, Crystal structure, Antimicrobial and In Vitro Hemolytic Studies of Some Novel Substituted Thiourea Derivatives. Durga Prasad Singh, Mayank Gangwar, Dharmendra Kumar, Gopal Nath, Seema Pratap, *J. Chemical Crystallography* 43 (2013) 610–621.
6. 1-(2-Furoyl)-3-(2-methoxy-4-nitrophenyl)thiourea, Seema Pratap, Durga P. Singh, Sushil K. Gupta and Ray J. Butcher, *Acta Cryst.* (2013). E69, o330–o331.
7. N-(1,3-Thiazol-2-yl)-N'-[(thiophen-2-yl)carbonyl]thiourea hemihydrates. Durga Prasad Singh, Seema Pratap, Sema Ozturk yildirim and Ray J. Butcher, *Acta Cryst.* (2012). E68, o3295.
8. 3-[(Furan-2-yl)carbonyl]-1-(pyrimidin-2-yl)thiourea, Durga P. Singh, Seema Pratap, Sushil K. Gupta and Ray J. Butcher, *Acta Cryst.* (2012). E68, o3300–o3301.
9. 1-(Naphthalen-1-yl)-3-[(thiophen-2-yl)carbonyl]thiourea, Durga P. Singh, Seema Pratap, Sushil K. Gupta and Ray J. Butcher, *Acta Cryst.* (2012). E68, o2882–o2883.
10. Methyl 2-(thiophene-2-carboxamido) benzoate, Durga Prasad Singh, Seema Pratap, Sushil K. Gupta and Ray J. Butcher, *Acta Cryst.* (2012). E68, o1765.