

Faulty Profile

Name: Dr. Bhupesh S. Bhatt
Designation: Assistant Professor
Specialization: Organic Chemistry
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Other Details:

Educational Qualification: M.Sc., Ph.D. (Chemistry)
Academic Experience: Assistant Professor, C. U. Shah University from 9th Oct. 2014 to 11th July 2017
Assistant Professor, Department of Chemistry, Sardar Patel University; 12th July 2017 to till date
Industrial Experience: Research Scientist at Piramal Discovery Solutions, Ahmedabad from 3rd Dec. 2012 to 7th Oct. 2014
Research Area of Interest: Bioorganic and Bioinorganic Chemistry, Heterocyclic Chemistry
Number of Publications: 19 (International)
List of Publications: Annexure-1
Achievements: Prof. Talati Parivar Award in 2010
Awarded CSIR-SRF in 2012
Awarded UGC-JRF in 2010
Best Academic award in B.Sc. for the years 2005 and 2006

List of Publications:

1. Synthesis and evaluation of gold(III) complexes as efficient DNA binders and cytotoxic agents
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Spectrochimica Acta - Part A 110 (2012) 20-27
2. DNA binding, cytotoxicity and DNA cleavage promoted by gold(III) complexes
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Inorganic Chemistry Communications 29 (2013) 190-193
3. Synthesis, spectral investigation and biological interphase of drug-based cytotoxic square pyramidal coordination compounds
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Applied Organometallic Chemistry 26 (2012) 217-224
4. Topoisomerase inhibition, nucleolytic and electrolytic contribution on DNA binding activity exerted by biological active analogue of coordination compounds
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Applied Biochemistry and Biotechnology 166 (2012) 1949-1968
5. Thermal, spectral, and thermodynamic studies for evaluation of calf thymus DNA interaction activity of some copper(II) complexes
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Journal of Thermal Analysis and Calorimetry 107 (2012) 55-64.
6. Spectroscopic study of DNA hydrolysis, DNA intercalative, and electrostatic interaction activity exerted by drug based coordination compounds
Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi
Zeitschrift für Anorganische und Allgemeine Chemie 638 (2012) 152-162
7. Spectrophotometric determination of ciprofloxacin by ion pair formation
Mohan N. Patel*, Bhupesh S. Bhatt, Deepen S. Gandhi, Promise A. Dosi and Pradhuman A. Parmar
Journal of Analytical Chemistry 67 (2012) 655-660
8. Nucleic acid interaction and antibacterial behaviours of a ternary palladium(II) complexes
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Spectrochimica Acta Part A 86 (2012) 508-514
9. Interaction of palladium(II) coordination compounds with calf thymus DNA and their antibacterial activity
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt

- 10.** Synthesis, characterization, covalent binding, and degree of unwinding of platinum(II) bipyridine complexes
Mohan N. Patel*, Deepen S. Gandhi, Pradhuman A. Parmar, Bhupesh S. Bhatt and Anshul P. Patidar
Zeitschrift für Anorganische und Allgemeine Chemie 638 (2012) 838-843
- 11.** Synthesis, characterization, antibacterial activity and DNA interaction studies of drug based mixed ligand copper(II) complexes with terpyridines
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Medicinal Chemistry Research 21 (2012) 2723-2733
- 12.** Synthesis, characterization, antibacterial activity, SOD mimic and interaction with DNA of drug based copper(II) complexes
Mohan N. Patel*, Promise A. Dosi, Bhupesh S. Bhatt and Vasudev R. Thakkar
Spectrochimica Acta Part A 78 (2011) 763–770
- 13.** DNA interaction, free radical scavenging and *in-vitro* antibacterial activity of drug-based copper(II) complexes
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Applied Organometallic Chemistry 25 (2011) 653-660
- 14.** Antibacterial, superoxide dismutase activity and DNA interactions of ciprofloxacin-based ternary copper(II) phenanthroline complexes
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Zeitschrift für Anorganische und Allgemeine Chemie 637 (2011) 1602-1611
- 15.** In vitro bacteriostatic and DNA interaction studies of drug-based mixed-ligand complexes of cobalt(II)
Mohan N. Patel*, Mehul R. Chhasatia and Bhupesh S. Bhatt
Medicinal Chemistry Research 20 (2011) 220-230.
- 16.** Antibacterial, DNA interaction and superoxide dismutase activity of drug based copper(II) coordination compounds
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Polyhedron 29 (2010) 3238–3245
- 17.** Synthesis, characterization and biological activities of ciprofloxacin drug based metal complexes
Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt
Acta Chimica Slovenica 59 (2012) 622–631

18. Square planar palladium(II) complexes of bipyridines: synthesis, characterization and biological studies

Mohan N. Patel*, Promise A. Dosi and Bhupesh S. Bhatt

Journal of Coordination Chemistry 65 (2012) 3833-3844

19. Study of SOD mimic and nucleic acid interaction activity exerted by enrofloxacin based copper(II) complexes

Mohan N. Patel*, Bhupesh S. Bhatt and Promise A. Dosi

Chemistry and Biodiversity 9 (2012) 2810-2824