



Synthesis, Spectroscopic, and Biological Studies on New Zincum (IV) Porphyrin with Axial Ligand	Georj D. Bajaj*, Gita Devi, Sapna Katoch, Madhukar Bhagat, Deepmala, Ashu, Sujata Kandan, and Sunil Kumar Anand	Journal of Bioregular Chemistry and its application	2013	<a href="https://doi.org/10.1155/2013/903616">https://doi.org/10.1155/2013/903616</a>	1665-3633 (Print); 1667-479X (Online)
Dioxovanadate(VV) Complexes with Nitrogen Donors: Synthesis, Characterization, and Biological Activities	Georj D. Bajaj*, Pooj Sharma, Ashu Kapatil, Madhukar Bhagat, Sujata Kandan, and Deepmala Gupta	Journal of Inorganic Chemistry	2013	<a href="https://doi.org/10.1155/2013/918685">https://doi.org/10.1155/2013/918685</a>	1520-5827
Differential effects of the hydrophobic surfactant proteins on the formation of inverse bicontinuous cubic phases	Charvita, Manjya, Loney, Ryan W. Kumar, Kamlesh, Ranaravara, Shankar B. Hait, Stephen B.	Langmuir	2012	<a href="https://doi.org/10.1021/la3025364">https://doi.org/10.1021/la3025364</a>	1075-4368
Synthesis and Spectroscopic studies of Axially ligated Zn(II) to 15,20-Meso-tetra-(4-phenyl)porphyrin with oxygen and nitrogen donors	Georj D. Bajaj*, Sujata Kandan, Ashu, Deepmala	Journal of Chemistry	2012	<a href="https://doi.org/10.1155/2012/1128181">https://doi.org/10.1155/2012/1128181</a>	2090-5063 (Print); 2090-5071 (Online)
Synthesis and Characterization of Zincum(IV) derivatives of meso-tetra-(p-methylphenyl)porphyrin with Acetylacetonate and different Phenolates at Axial positions	Georj D. Bajaj*, Sunil Kumar Anand, Sujata Kandan, Deepmala, Ashu and Gita	Oriental Journal of Chemistry	2012	<a href="https://www.orientjchem.org/?p=23980">https://www.orientjchem.org/?p=23980</a>	0870- 020X (Online); 2231-5039
Synthesis and Spectroscopic Studies of Zincum(IV) Porphyrins with acetylacetonate and Phenolates at axial positions	Georj D. Bajaj*, Sunil Kumar Anand and Sujata Kandan	Oriental Journal of Chemistry	2012	<a href="http://www.orientjchem.org/?p=23980">http://www.orientjchem.org/?p=23980</a>	0870- 020X (Online); 2231-5039
Catalytic asymmetric synthesis of 3-hydroxyamide. A potentially bioactive molecule	Ashay Kumar, Swapandeep Singh Chini	RSC Advances	2012	<a href="https://doi.org/10.1039/C2RA21131A">10.1039/C2RA21131A</a>	2046-2069
Substituted carboxylic compounds functionalized fatty acids for one-pot synthesis of 1,2,4,5-tetra-substituted imidazoles, 3,4-dihydropyrimidin-2(1H)-ones and for Michael addition of indole to $\alpha,\beta$ -unsat	P. Gupta and S. Paul	Journal of Molecular Catalysis A: Chemical	2012	<a href="https://doi.org/10.1016/j.molcata.2011.10.016">https://doi.org/10.1016/j.molcata.2011.10.016</a>	2468-8211
Development of a new variational principle for thermal density matrices	T. K. Roy and M. D. Prasad	J. Chem. Phys.	2011	<a href="https://doi.org/10.1063/1.3627777">https://doi.org/10.1063/1.3627777</a>	1086-7690
Functionalization of the terminal carbon atoms of the hydrolytically terminated polybutadiene by polyacido nitrogen rich molecules	R. M. Shankar, T. K. Roy and T. Jana	Bull. Mater. Sci.	2011	<a href="https://doi.org/10.1007/s12034-011-0190-5">https://doi.org/10.1007/s12034-011-0190-5</a>	0254-4107
Fabrication of carbon microtubes from thin films of supramolecular assemblies via self-coiling approach	Kumar, Kamlesh, Nandan, Bhanu, Komarek, Pater, Stamm, Marilfest	Journal of Materials Chemistry	2011	<a href="https://doi.org/10.1039/C1JM1258A">https://doi.org/10.1039/C1JM1258A</a>	2050-7488
Biochemistry axonal chitinase(III) in metal ligand complexes	Georj D. Bajaj*, Deepmala, Ashu and Sujata Kandan	Asian Journal of Chemical and Environmental Research (AJCER)	2011		0974-5848
Synthesis and Characterization of axially ligated Zn(II)-p-tert-butyl-phenylporphyrin	Georj D. Bajaj*, Sujata Kandan and Sunil Kumar Anand	Journal of Indian Chemical Society	2011	<a href="https://doi.org/10.5281/zenodo.5390419">https://doi.org/10.5281/zenodo.5390419</a>	2667-2847 (Online); Linking 0019-4552
Asymmetric syn selective direct axial reaction of protected hydroxycarbons catalyzed by primary amine acid derived bifunctional organocatalyst in the presence of water	Ashay Kumar, Sanjay Singh, Viasu Kumar, Swapandeep Singh Chini	Organic and Biomolecular Chemistry	2011	<a href="https://doi.org/10.1039/C0OB00089B">10.1039/C0OB00089B</a>	1477-5502
Nano Pd(0) supported on cellulose: A highly efficient and recyclable heterogeneous catalyst for the Suzuki coupling and aerobic oxidation of benzyl alcohols under liquid phase catalysis	N. Jermol, R. K. Soshi, P. Gupta and S. Paul	International Journal of Biological Molecules	2011	<a href="https://doi.org/10.15181/ijbmoc.2011.08.013">https://doi.org/10.15181/ijbmoc.2011.08.013</a>	1879-0003
Crystal structure of 2-(4-chlorophenyl)-4,4-dicyanophenylhydrazide	A. Kapote, V. K. Gupta, Rajeswar, P. Gupta, and S. Paul	X-ray Structure Analysis Online	2011	<a href="https://doi.org/10.1002/XS.201100004">10.1002/XS.201100004</a>	1883-8178
Amorphous carbon-silica composites bearing surface acid as solid acid catalysts for the chemoselective protection of aldehydes as 1,1-diacetates and for N-, O-, and S-acylations	P. Gupta and S. Paul	Green Chemistry	2011	<a href="https://doi.org/10.1039/C0GC000004">https://doi.org/10.1039/C0GC000004</a>	1463-0270
Silica Functionalized Butyric Acid Catalyzed One-Pot Synthesis of 4,5,6,7-Tetrahydropyrimidin-2(1H)-one-3-ylidene-2,1(1H)-one-3-ylidene under Liquid Phase Catalysis	P. Gupta and S. Paul	Journal of Brazilian Chemical Society	2010	<a href="https://doi.org/10.1590/S0100-051X2010000200022">https://doi.org/10.1590/S0100-051X2010000200022</a>	1874-7705
Thermal Functionalized hydrogels: A new energy efficient for prodrugs	R. M. Shankar, T. K. Roy and T. Jana	J. Appl. Pol. Sci.	2009	<a href="https://doi.org/10.1002/APP.20665">https://doi.org/10.1002/APP.20665</a>	1077-4652
On some strategies to design new high energy density molecules	T. Mondal, B. Sartha, S. Ghanta, T. K. Roy, S. Mahapatra and M. D. Prasad	Theochem	2009	<a href="https://doi.org/10.1016/j.theochem.2008.11.013">https://doi.org/10.1016/j.theochem.2008.11.013</a>	0166-1280
Election harmonic oscillator description of anharmonic molecular vibrations	T. K. Roy and M. D. Prasad	J. Chem. Sci.	2009	<a href="https://doi.org/10.1007/s12034-009-0060-7">https://doi.org/10.1007/s12034-009-0060-7</a>	0974-3636
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Fabrication of meso microtubes using self-coiled polymer tubes as templates	Kumar, Kamlesh, Nandan, Bhanu, Luchnikov, Valery, Simon, Frank, Vyalkin, Anastasia, Scheier, Ulrich, Stamm, Marilfest	Langmuir	2009	<a href="https://doi.org/10.1021/la900012v">https://doi.org/10.1021/la900012v</a>	1075-4367
A novel approach for the fabrication of silica and silicahybrid hybrid microtubes	Swapandeep Singh Chini, Sanjay Singh, Ashay Kumar	Chemistry of Materials	2009	<a href="https://doi.org/10.1021/cm901472x">https://doi.org/10.1021/cm901472x</a>	1520-5002
The pH of the reaction controls the stereoselectivity of organocatalyzed direct axial reactions in water	Kumar, Kamlesh, Luchnikov, Valery, Nandan, Bhanu, Serikovskiy, Vlodyslav, Stamm, Marilfest	Organic Letters	2009	<a href="https://doi.org/10.1021/ol900012v">10.1021/ol900012v</a>	1522-2675
Formation of self-coiled polymer microtubes studied by combinatorial approach	Luchnikov, Valery, Kumar, Kamlesh, Stamm, Marilfest	European Polymer Journal	2008	<a href="https://doi.org/10.1016/j.eurpolymj.2008.06.009">https://doi.org/10.1016/j.eurpolymj.2008.06.009</a>	0014-1937
Triblock hollow-core microcavities produced by self-coiling of branched polymer blocky films	T. K. Roy, S. Ghanta, T. Mondal, B. Sartha, S. Mahapatra and M. D. Prasad	Journal of Micromechanics and Microengineering	2007	<a href="https://doi.org/10.1088/0964-1731/18/03/035411">https://doi.org/10.1088/0964-1731/18/03/035411</a>	1361-6448
Conformational preferences of mono-substituted cyclohexanones: A theoretical Study	T. K. Roy, S. Ghanta, T. Mondal, B. Sartha, S. Mahapatra and M. D. Prasad	Theo. chem	2007	<a href="https://doi.org/10.1016/j.theochem.2007.08.003">https://doi.org/10.1016/j.theochem.2007.08.003</a>	0166-1280
Chemotherapeutic synthesis of combi-polymers	Srinivasan, Raju, K. Kumar, Kamlesh, Varma, R., Abernethy, Ann-Cristina	European polymer journal	2007	<a href="https://doi.org/10.1016/j.eurpolymj.2006.11.032">https://doi.org/10.1016/j.eurpolymj.2006.11.032</a>	0014-1937