

**Publications of Teachers of Department of Chemistry, University of Delhi in Year 2013**

S. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN
1	Synthesis, antiproliferative and c-Src kinase inhibitory activities of cinnamoyl- and pyranochromen-2-one derivatives.	K Chand, AN Shirazi, P Yadav, RK Tiwari, M Kumari, K Parang, SK Sharma	Canadian J. Chem.	1480-3291
2	Poly(ethylene)-glycol conjugated solid lipid nanoparticles of Noscapine improve biological half-life, brain delivery and efficacy in glioblastoma cells.	Madan J., Pandey R. S., Jain V., Katare O. P., Chandra R., and Katyal A.	Nanomedicine	1549-9634
3	Quantative Structure-activity relationship analysis of thiozolidines: Potent Antidiabetic Compounds.	Vishkarma V. K, Singh P., Dubey, M., Kumari K., Chandra R., and Pandey N. D	Drug Metabolism and Drug Interactions	0792-5077
4	Nanosolvated microtubule-modulating chemotherapeutics: a case-to-case study.	Jain V., Jain B., Tiwari P., Saini J., Jain U. K., Pandey R. S., Kumar M., Katare O. P., Chandra R. and Madan J.	Anticancer drugs	0959-4973
5	A review on Noscapine and its impact on heme metabolism.	Singh H., Singh P., Kumari K., Chandra A., Dass S. K. and Chandra	Current Drug Metabolism	1875-5453
6	A Thiocyanato-Bridged Copper(I) Cubane Complex and its application in Palladium-Catalyzed Sonogashira Coupling of Aryl halides.	Trivedi M, Singh G , Kumar A, Rath NP.	Dalton Transactions	1477-9226
7	Investigation for the Interaction of Tyramine-Based Anthraquinone Analogue with Human Serum Albumin by Optical Spectroscopic Technique.	Aggarwal S, Tiwari AK, Srivastava P, Chadha N, Kumar V, Singh G, Mishra AK.	ChemBiol Drug Des	1747-0285
8	Synthesis of hydrophilic carbon black for application in electrochemical electrodes; role of water in protonic conduction and maintaining the hydration level	Vikrant Sahu, Shashank Shekhar, Preety Ahuja, Govind Gupta, Sushil Kumar Singh, Raj Kishore Sharma and Gurmeet Singh	RSC Advances	2046-2069
9	Imidazole containing palladium(II) complexes as efficient pre-catalyst systems for Heck and Suzuki coupling reaction: Synthesis, structural characterization and catalytic properties	Manoj Trivedi, Gurmeet Singh, R. Nagarajan, Nigam P. Rath	Inorg. Chim. Acta	0020-1693
10	Syntheses, Characterization, and Structural studies of Copper(I) complexes containing 1,1'-bis(di-tert-butylphosphino) ferrocene (dtbpf) and their Application in Palladium-Catalyzed Sonogashira Coupling of Aryl halides	Manoj Trivedi, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath	Dalton Transactions	1477-9226
11	A Chloro-Bridged Heterobimetallic ( $\eta^6$ -Arene)ruthenium–Organotin Complex as an Efficient Topoisomerase Ia Inhibitor	Khan, Rais Ahmad; Asim, Ahmad; Kakkar, Rita; Gupta, Deepti; Bagchi, Vivek; Arjmand, Farukh; Tabassum, Sartaj	Organometallics	0276-7333
12	Surface Affinity Of Graphene For Health, Energy And Environmental Safety Applications	Tyagi, Jyoti; Kakkar, Rita	Adv. Mat. Lett.	0976-3961
13	DFT study of some trivalent d- and f- block metal ion complexes of alloxan	Kakkar, R.; Bhandari, M., Gaba, R.	J. Theor. Comput. Chem.	1793-6888

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14	Assessment of theoretical methods for the study of hydrogen abstraction kinetics of global warming gas species during their degradation and byproduct formation	Ramasami, Ponnadurai; Abdallah, Hassan H; Archibong, Edet F; Blowers, Paul; Ford, Thomas A; Kakkar, Rita; Shuai, Zhigang; Schaefer III, Henry F.	Pure Appl. Chem.	1365-3075
15	Structures and stability's of alkaline earth metal oxides nano clusters: a DFT study	Batra, Prinka; Gaba, Ritu; Issar, Upasana; Kakkar, Rita	J. Theor. Chem.	2356-7686
16	Adsorption studies of acetaldehyde on TiO <sub>2</sub> nanosurface	Gaba Ritu, Mamta Bhandari & Rita Kakkar	Adv. Mater. Lett.	0976-3961
17	Theoretical investigation of the alloxan-dialuric acid redox cycle	Kakkar, Rita & Mamta Bhandari	Int. J. Quant. Chem.	0020-7608
18	ZnO Quantum Dots For Biomedical Applications	Gulia, Sunita & Kakkar, Rita	Adv. Mater. Lett.	0976-3961
19	A Review On CdSe Quantum Dots In Sensing	Malik, Pragati; Gulia, Sunita; Kakkar, Rita	Adv. Mater. Lett.	0976-3961
20	Metal Ion Selectivity of Kojate Complexes: A Theoretical Study	Singh, Sarita; Singh, Jyoti; Gulia, Sunita; Kakkar, Rita	J. Theor. Chem.	2356-7686
21	DNA Minor Groove Binder Hoechst 33258 and its Analogues: a Review	Upasana Issar & Rita Kakkar	Int. Rev. Biophys. Chem. (IREBIC)	2038-0321
22	Peptide Deformylase Inhibitors for Addressing the Issue of Bacterial Resistance	Tripti Kumari, Richa Arora & Rita Kakkar	Int. Rev. Biophys. Chem. (IREBIC)	2038-0321
23	Recent Advancements On Warfare Agents/metal Oxides Surface Chemistry And Their Simulation Study	Sharma, Neha & Rita Kakkar	Adv. Mater. Lett.	0976-3961
24	Synthesis of biologically as well as industrially important 1,4,5-trisubstituted-1,2,3-triazoles using a highly efficient, green and recyclable DBU-H <sub>2</sub> O catalytic system	Harjinder Singh, Jayant Sindhu, J.M. Khurana	RSC Advances	2046-2069
25	Synthesis and in vitro evaluation of antioxidant activity of diverse naphthopyranopyrimidines, diazaanthra[2,3-d][1,3]dioxole-7,9-dione and tetrahydrobenzo[a]xanthen-11-ones	J. M. Khurana, Anshika Lumb, Ankita Chaudhary and Bhaskara Nand	RSC Advances	2046-2069
26	Effect of hydroxyl group on the photophysical properties of benzo[a]xanthenes - Solvatochromic studies and estimation of dipole moment	Komal Aggarwal, J. M. Khurana	Journal of Photochemistry and Photobiology A: Chemistry	1010-6030.
27	Rapid oxidation of 1,2-diols, $\alpha$ -hydroxyketones and some alcohols using N-bromosuccinimide in ionic liquid	J. M. Khurana, Ankita Chaudhary, Sanjay Kumar	Organic Preparations and Procedures International	0375-9512
28	Multicomponent synthesis of novel 2-aryl-5-((1-aryl-1H-1,2,3-triazol-4-yl)methylthio)-1,3,4-oxadiazoles using CuI as Catalyst and their antimicrobial evaluation	Harjinder Singh, Jayant Sindhu, J.M. Khurana, Chetan Sharma, K.R. Aneja	Australian Journal of Chemistry	0004-9425
29	An efficient synthesis of novel 3-hydroxy-12-arylbenzo[a]xanthen-11-ones and 5,12-diarylxantheno[2,1-A]xanthen-4,12-diones using p TSA in [bmim]BF <sub>4</sub>	Sneha Yadav, Bhaskara nand, J. M. Khurana	Canadian Journal of Chemistry	1480-3291

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30	Efficient and green syntheses of 12-aryl-2,3,4,12-tetrahydrobenzo[b] xanthene-1,6,11-triones in water and task-specific ionic liquid	J. M. Khurana, Anshika Lumb, Ankita Chaudhary and Bhaskara Nand	Synthetic Communications	1532-2432
31	Nickel nanoparticles as semiheterogeneous catalyst for one-pot, three-component synthesis of 2-amino-4H-pyrans and pyran annulated heterocyclic	J. M. Khurana, Kanika Vij	Synthetic Communications	1532-2432
32	A Facile Eco-Friendly One-Pot Five-Component Synthesis of Novel 1,2,3-Triazole-Linked Pentasubstituted 1,4-Dihydropyridines and their Biological and Photophysical Studies	Harjinder Singh, Jayant Sindhu, J.M. Khurana, Chetan Sharma, K.R. Aneja	Australian Journal of Chemistry	0004-9425
33	Efficient, green and regioselective synthesis of 1,4,5-trisubstituted-1,2,3-triazoles in ionic liquid [bmim]BF <sub>4</sub> and in task-specific basic ionic liquid [bmim]OH	Harjinder Singh, Jayant Sindhu, J.M. Khurana	Journal of the Iranian Chemical Society	1735-2428
34	One-pot synthesis of biologically important spiro-2-amino-4H-pyrans, spiroacenaphthylenes, and spirooxindoles using DBU as a green and recyclable catalyst in aqueous medium	Pooja Saluja, Komal Aggarwal, J.M. Khurana,	Synthetic Communications	1532-2432
35	Nafion-H catalyzed efficient one-pot synthesis of triazolo[5,1-b]quinazolinones and triazolo[1,5-a]pyrimidines: A green strategy	Kidwai, M; Chauhan, R	Journal of Molecular Catalysis A: Chemical	1381-1169
36	Laccase-catalysed reaction between Meldrum's acid and catechols/hydroquinones - An investigation	Kidwai, M; Jain, A; Sharma, A; Kuhad, R. C.	Comptes Rendus Chimie	1631-0748
37	Solvent-free synthesis of polyfunctional tetrahydropyrimidines promoted by recyclable ionic liquid	Kidwai, M; Mishra, N. K; Bhardwaj, S	Journal of the Iranian Chemical Society	1735-2428
38	Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) Silica Based Organic-Inorganic Hybrid Copper(II) Nanocatalyst: A Platform For Aerobic N-alkylation of Amines	R.K. Sharma, Y. Monga, A. Puri and G. Gaba	Green Chemistry	1463-9262
39	Zirconium(IV)-modified silica@magnetic nanocomposites: Fabrication, characterization and application as efficient, selective and reusable nanocatalysts for Friedel-Crafts, Knoevenagel and Pechmann condensation reactions	R.K. Sharma, Y. Monga and A. Puri	Catalysis Communications	1566-7367
40	Chemically modified silica gel with 1-{4-[(2-hydroxy-benzylidene)amino]phenyl}ethanone: synthesis, characterization and application as an efficient and reusable solid phase extractant for selective removal of Zn(II) from mycorrhizal treated fly-ash samples	R.K. Sharma, A. Puri, A. Kumar and A. Adholeya	Journal of Environmental Sciences	1001-0742
41	Fabrication of Novel Nano-composite carbon paste sensor based on silica-nanospheres functionalized with isatin thiosemicarbazone for potentiometric monitoring of Cu <sup>2+</sup> ions in real samples	R.K. Sharma, S. Sharma, S. Gulati and A. Pandey	Analytical Methods	1759-9660
42	Silica encapsulated magnetic nanoparticles supported Zn(II) Nanocatalyst: a versatile integration of excellent reactivity and selectivity for the synthesis of azoxyarenes, combined with facile catalyst recovery and recyclability	R.K. Sharma and Y. Monga	Applied Catalysis A: General	0926-860X

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43	Polyfluorinated-Zinc(II)phthalocyanine complex immobilized on silica: A novel, highly selective and recyclable inorganic-organic hybrid catalyst for the synthesis of biologically important 1,5-Benzodiazepines	R.K. Sharma, S. Gulati and A. Pandey	Inorganica Chimica Acta	0020-1693
44	Inhibitors of transcription factor nuclear factor-kappa beta (NF- $\kappa$ B)-DNA binding	R.K. Sharma, M. Otsuka, G. Gaba and S. Mehta	RSC Advances	2046-2069
45	A novel cinnamate derivative attenuates asthma features and reduces bronchial epithelial injury in mouse model	S Kumar, U Mabalirajan, R Rehman, BK Singh, VS Parmar, AK Prasad, S Biswal, B Ghosh	International Immunopharmacology	1567-5769
46	Ethyl 3',4',5'-trimethoxythionocinnamate modulates NF- $\kappa$ B and Nrf2 transcription factors	S Kumar, BK Singh, AK Prasad, VS Parmar, S Biswal, B Ghosh	European Journal of Pharmacology	0014-2999
47	Synthesis and antimicrobial activity of pyrimidine chalcones	R Kumar, J Arora, AK Prasad, N Islam, AK Verma	Med. Chem. Res.	1054-2523
48	Calreticulin transacetylase mediated upregulation of thioredoxin by 7,8-diacetoxy-4-methylcoumarin enhances the antioxidant potential and the expression of vascular endothelial growth factor in peripheral blood mononuclear cells.	R Joshi, A Kumar, S Manral, R Sinha, S Arora, A Sharma, S Goel, N Kalra, S Chatterji, BS Dwarakanath, DS Rawat, AL DePass, V Rohila, D Saluja, VS Parmar, AK Prasad, HG Raj	Chemico-Biological Interactions	0009-2797
49	Stereocontrolled oxidative additions upon 1,4-dihydropyridines: Synthesis of hexahydrofuro[2,3-b]pyridine and hexahydropyrano[2,3-b]pyridine derivatives	R Kumar, D Kumar and AK Prasad	Synthetic Communications	0039-7911
50	Sugar-Modified Mercaptoacetamido-linked Nonionic Nucleoside Dimer	VK Sharma, A Tyagi, A Singh, P Rungta and AK Prasad	Trends Carb. Res.	0975-0304
51	Economical route for oxidative cleavage of double bond to synthesize taxol side chain	S Bhatia, S Singh, R Kumar, A Kumar, CE Olsen and AK Prasad	Indian J. Chem. Section B	0975-0983
52	Design and synthesis of LNA-based mercaptoacetamido-linked nucleoside dimmers	VK Sharma, SK Singh, K Bohra, LCS Reddy, V Khatri, CE Olsen and AK Prasad	Nucleosides, Nucleotides and Nucleic Acids	1532-2335
53	Modified Oligonucleotides: Strides towards Antisense Drugs	VK Sharma, R Kumar, P Rungta, VS Parmar and AK Prasad	Trends Carbo Res.	0975-0304
54	Chemo-enzymatic synthesis of 3'-deoxy-3'-(4-substitutedtriazol-1-yl)-5-methyluridine	A Arya, D Mathur, A Tyagi, R Kumar, V Kumar, CE Olsen, RK Saxena and AK Prasad	Nucleosides, Nucleotides and Nucleic Acids	1532-2335
55	One-pot Multi-component Synthesis of Coumarinyldihydro-pyrimidinones via Biginelli Condensation	A Arya, V Khatri, K Mahiya, CE Olsen and AK Prasad	Curr. Org. Chem.	1875-5348
56	Multi-component one-pot synthesis of novel coumarinyldihydro-pyridines under solvent free conditions	K Bohra, D Sharma, B Kumar, CE Olsen, VS Parmar and AK Prasad	J. Ind. Chem. Soc.	0019-4522
57	In-silico engineering of intrinsically conducting copolymers using particle swarm optimization algorithm	P. Thakral, V.Arora, S. Kukreti, A. K. Bakhshi	Indian Journal. Chemistry-A	0975-0975
58	Generalization of Gouy-Chapman-Stern model of electric double layer for a morphologically complex electrode: Deterministic and stochastic morphology.	R. Kant and M. Birla Singh	Phys. Rev. E,	1539-3755
59	Shape and Size Dependent Electronic Capacitance in Nanostructured Materials	M. Birla Singh and R. Kant	Proc. R. Soc. A,	1364-5021
60	Debye-Falkenhagen Dynamics of Electric Double Layer in Presence of Electrode Heterogeneities.	M. Birla Singh and R. Kant	J. Electroanal. Chem., .	1572-6657

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61	Theory for Staircase Voltammetry and Linear Scan Voltammetry on Fractal Electrodes: Emergence of Anomalous Randles- Sevcik Behavior.	Parveen and R. Kant	Electrochim. Acta,	0013-4686
62	Quantitative roughness characterization and 3D reconstruction of electrode surface using Cyclic Voltammetry and SEM image. + Erratum	S. Dhillon and R. Kant	App. Surf. Sci.,	0169-4332
63	Experimental Validation of Roughness Power Spectrum-Based Theory of Anomalous Cottrell Response.	S. Srivastav , S. Dhillon , R. Kumar, and R. Kant	J. Phys. Chem. C,	1932-7447
64	Effect of Uncompensated Solution Resistance on Quasireversible Charge Transfer at Rough and Finite Fractal Electrode	R. Kant, M. Sarathbabu and S. Srivastav	Electrochim. Acta,	0013-4686
65	Admittance of Diffusion Limited Adsorption Coupled to Reversible Charge Transfer on Rough and Finite Fractal Electrodes	R. Kumar and R. Kant	Electrochim. Acta,	0013-4686
66	Nanoelectrochemistry in India	Rama Kant, Jasmin Kaur and M. Birla Singh	Specialist Periodical Reports: Electrochemistry Vol. 12: Nanosystems Electrochemistry, Royal Society of Chemistry	978-1-84973-581-0
67	Hydromagnesite as an Efficient Recyclable Heterogeneous Solid Base Catalyst for the Synthesis of Flavanones, Flavonols and 1,4-Dihydropyridines in Water	U. Chinna Rajesh, Sunny Manohar, Diwan S Rawat*	Adv. Synth. Catal.	1615-4150
68	Editorial: Plant Derived Secondary Metabolites as Anti-Cancer Agents	Diwan S Rawat*, Ram Singh	Anti-Cancer Agents-Med. Chem.	1871-5206
69	Ethylenediammonium diformate (EDDF) in PEG600: an efficient ambiphilic novel catalytic system for the one-pot synthesis of 4H-pyrans via Knoevenagel condensation	Anuj Thakur, Mohit Tripathi, U. Chinna Rajesh and Diwan S Rawat,*	RSC Adv.	2046-2069
70	Synthesis and antibacterial/antitubercular activity evaluation of symmetrical trans-cyclohexane-1,4-diamine derivatives	Nitin Kumar, Ekta Kapoor, Ramandeep Singh, Saqib Kidwai, Widuranga Kumbukgolla, Sunita Bhagat, and Diwan S Rawat*	Ind. J. Chem.	0975-0983
71	Calreticulin transacetylase mediated upregulation of thioredoxin by 7,8-diacetoxy-4-methylcoumarin enhances the antioxidant potential and the expression of vascular endothelial growth factor in peripheral blood mononuclear cells	Rini Joshi, Ajit Kumar, Sushma Manral, Rajesh Sinha, Shvetambri Arora, Sanjay Goel, Namita Kalra, Suvro Chatterji, Bilikere S. Dwarakanath, Diwan S Rawat, Daman Saluja, Virinder S. Parmar, Ashok K. Prasad, Hanumantharao G. Raj	Chemico-Biological Interactions	0009-2797
72	Synthesis, antimalarial activity and cytotoxic potential of new monocarbonyl analogues of curcumin	Sunny Manohar, Shabana I. Khan, Shamseer K. Kandi, Kranthi Raj, Guojing Sun , Xiaochuan Yang, Angie D. Calderon Molina, Nanting Ni, Binghe Wang, Diwan S Rawat*	Bioorg. Med. Chem. Lett.	0960-894X
73	Improved Synthesis of Natural Ester Sintonin and its Analogues via Wittig reaction	Mukul Sharma, U. Chinna Rajesh and Diwan S Rawat*	J. Ind. Chem. Soc.	0019-4522
74	Antituberculosis Drug Research: A Critical Overview	Beena, Diwan S. Rawat*	Med. Res. Rev.	0198-6325

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75	Synthesis and cytotoxicity evaluation of C5-curcuminoids	Nitin Kumar, Guojing Sun, Nanting Ni, Weixuan Chen, Angie D. Calderon Molina, Binghe Wang, and Diwan S. Rawat*	Chem. Biol. Interface,	2249-4820
76	4-Aminoquinoline-Triazine-Based Hybrids with Improved In Vitro Antimalarial Activity Against CQ-Sensitive and CQ-Resistant Strains of Plasmodium falciparum	Sunny Manohar, Shabana I. Khan, Diwan S. Rawat*	Chem. Biol. Drug Des.	1747-0277
77	Synthesis and antioxidant activity of thymol and carvacrol based Schiff bases	Beena, Deepak Kumar, Diwan S Rawat*	Bioorg. Med. Chem. Lett.	0960-894X
78	Antimycobacterial activity evaluation, time-kill kinetic and 3D-QSAR study of C-(3-aminomethyl-cyclohexyl)-methylamine derivatives	Deepak Kumar, K. Kranthi Raj, MaiAnn Bailey, Torey Alling, Tanya Parish, Diwan S Rawat*	Bioorg. Med. Chem. Lett.	0960-894X
79	Post-Ugi gold-catalyzed diastereoselective domino cyclization for the synthesis of diversely substituted spiroindolines.	A Kumar, DD Vachhani, SG Modha, SK Sharma, VS Parmar, EV Van der Eycken	Beilstein J. Org. Chem.	1860-5397
80	Post-Ugi gold (I)- and platinum (II) -catalyzed alkyne activation: Synthesis of diversely substituted fused azepinones and pyridinones.	A Kumar, DD Vachhani, SG Modha, SK Sharma, VS Parmar, EV Van der Eycken	Synthesis	0039-7881
81	A bifunctional nanocarrier based on amphiphilic hyperbranched polyglycerol derivatives.	IN Kurniasih, H Liang, S Kumar, A Mohr, SK Sharma, JP Rabe, R Haag	J. Mat. Chem. B	2050-7518
82	Switching the regioselectivity via indium (III) and gold (I) catalysis: a post-Ugi intramolecular hydroarylation to azepino- and azocino-[cd]indolones.	A Kumar, Z Li, SK Sharma, VS Parmar, E Van der Eycken	Chem. Commun.	1364-548X
83	An Expedient route to imidazo[1,4]diazepin-7-ones via a Post-Ugi gold-catalyzed heteroannulation.	A Kumar, Z Li, SK Sharma, VS Parmar, EV Van der Eycken	Org. Lett.	1523-7052
84	Gold(I)-catalyzed Post-Ugi hydroarylation: An efficient approach to pyrrolopyridines and azepinoindoles.	A Kumar, DD Vachhani, SG Modha, SK Sharma, VS Parmar, EV Van der Eycken	Eur. J. Org. Chem.	1099-0690
85	Diversely substituted triazolo[1,5-a][1,4]benzodiazepinones: A Post-Ugi copper-catalyzed tandem azide-alkyne cycloaddition/ullmann C-N coupling approach.	DD Vachhani, A Kumar, SG Modha, SK Sharma, VS Parmar, EV Van der Eycken	Eur. J. Org. Chem.	1099-0690
86	Dendronized multi-amphiphilic polymers as non-ionic nanotransporters for biomedical applications: Synthesis, aggregation behavior and transport properties.	S Gupta, B Schade, S Kumar, C Böttcher, SK Sharma, R Haag	Small	1613-6829
87	"Introducing Nanocrystalline CeO <sub>2</sub> as Heterogeneous Environmental Friendly Catalyst for the Aerobic Oxidation of Para-Xylene to Terephthalic Acid in Water"	K. Deori, D. Gupta, B. Saha, Satish K. Awasthi, S. Deca.	J Materials Chemistry A	2050-7488
88	Design synthesis, and antimicrobial activity of novel benzothiazole analogs	M. K Singh, R. Tilak, G. Nath, Satish K Awasthi, A. Agarwal	Eur. J. Med. Chem.	0223-5234
89	Cobalt Complexes Appended with para- and meta-Arylcarboxylic Acids: Influence of Cation, Solvent, and Symmetry on Hydrogen-Bonded Assemblies	G. Kumar, H. Aggarwal, Rajeev Gupta	Crystal Growth & Design	1528-7483
90	transfer from CdSe-ZnS core-shell quantum dots to cobalt(III) complexes	A. Pal, S. Srivastava, Rajeev Gupta, S. Saprà	Physical Chemistry Chemical Physics	1463-9076
91	Three-Dimensional {Co <sup>3+</sup> -Zn <sup>2+</sup> } and {Co <sup>3+</sup> -Cd <sup>2+</sup> } Networks Originated from Carboxylate-rich Building Blocks: Syntheses, Structures, and Heterogeneous Catalysis	G. Kumar, Rajeev Gupta	Inorganic Chemistry	0020-1669

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92	Molecularly Designed Architectures – The Metalloligand Way	G. Kumar, Rajeev Gupta	Chemical Society Reviews	3640983
93	Insertion Reactions of Six-Membered Cyclopalladated N,N',N''-Triarylguanidine, [Pd{κ <sup>2</sup> (C,N)-C <sub>6</sub> H <sub>3</sub> Me-3(NHC(NHAr)(=NAr))-2}(μ-Br) <sub>2</sub> (Ar = 2-MeC <sub>6</sub> H <sub>4</sub> ) with PhC≡C-C(O)OR (R = Me and Et): A Gateway to Second Orthopalladation through Novel Rearrangements	Saxena, Priya; Thirupathi, Natesan; Nethaji, Munirathinam	Organometallics	0276-7333
94	Six-membered [C,N] cyclopalladated sym N,N',N''-tri(4-tolyl)guanidines: Synthesis, reactivity studies and structural aspects	Elumalai, Palani; Thirupathi, Natesan; Nethaji, Munirathinam	Journal of Organometallic Chemistry	0022-328X
95	Mole ratio dependent formation of mononuclear versus pentanuclear zinc(II) pivalate complexes and the 'carboxylate shift' process	Kumar, Umesh; Singh, Monika; Thirupathi, Natesan	Polyhedron	0277-5387
96	Dual Role of Acetate as a Nucleophile and as an Internal Base in Cycloplatination Reaction of sym-N,N',N''-Triarylguanidines	Elumalai, Palani; Thirupathi, Natesan; Nethaji, Munirathinam	Inorganic Chemistry	0020-1669
97	Influence of steric effect on the structural aspects of N,N',N''-triarylguanidine derived six-membered [C,N] palladacycles	Gopi, Kanniyappan; Saxena, Priya; Nethaji, Munirathinam; Thirupathi, Natesan	Polyhedron	0277-5387
98	Synthesis of a Smart Gold Nano-vehicle for Liver Specific Drug Delivery	Seema Garg, Arnab De, Tanusri Nandi and Subho Mozumdar	AAPS PharmSciTech	1530-9932
99	Synthesis and characterization of thermoresponsive copolymers for drug delivery	Swati Aerry, Arnab De, Ajeet Kumar, Amit Saxena, DK Majumdar and Subho Mozumdar	Journal of Biomedical Materials Research – Part A	15493296
100	Controlled synthesis of size-tunable nickel and nickel oxide nanoparticles using water-in-oil microemulsions	Ajeet Kumar, Amit Saxena, Arnab De, Ravi Shankar and Subho Mozumdar	Advances in Natural Sciences: Nanoscience and Nanotechnology	2043-6262
101	Facile synthesis of size-tunable copper and copper oxide nanoparticles using reverse microemulsions	Ajeet Kumar, Amit Saxena, Arnab De, Ravi Shankar and Subho Mozumdar*	RSC Advances	2046-2069
102	Chemoselective acetylation of amines and thiols using monodispersed Ni-nanoparticles	Swati Aerry, Ajeet Kumar, Amit Saxena, Arnab De and Subho Mozumdar	Green Chemistry Letters and Reviews	1751-8253
103	Aldol condensation in PEG-400 catalyzed by recyclable l-proline supported on nano gold surface	Ajeet Kumar, Manika Dewan, Arnab De, Amit Saxena, Swati Aerry and Subho Mozumdar	RSC Advances	2046-2069
104	Synthesis of <i>meso</i> -substituted dihydro-1,3-oxazinoporphyrins	Satyasheel Sharma and Mahendra Nath	Beilstein J. Org. Chem.	1860-5397
105	DBSA catalyzed cyclotrimerization of acetophenones: An efficient synthesis of 1,3,5-triarylbenzenes under solvent-free conditions	Davinder Prasad, Amreeta Preetam and Mahendra Nath	C. R. Chimie	1631-0748
106	Synthesis and characterization of <i>meso</i> -substituted triazonoporphyrins	Ranjan K. Bhatt, Dileep Kumar Singh and Mahendra Nath	J. Indian Chem. Soc.	0019-4522

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107	L-proline accelerated, eco-friendly synthesis of 9-substituted-2,3,4,9-tetrahydro-1H-xanthen-1-ones under mild conditions	Davinder Prasad, Amreeta Preetam and Mahendra Nath	C. R. Chimie	1631-0748
108	Orientational relaxation in semiflexible dendrimers	A. Kumar and P. Biswas	Phys. Chem. Chem. Phys	1463-9084
109	Helical ambivalency induced by point mutations	N. Bhattacharjee and P. Biswas	BMC Structural Biology	1472-6807
110	Conformation and intramolecular relaxation dynamics of semiflexible randomly hyperbranched polymers	A. Kumar, G. J. Rai and P. Biswas	J. Chem. Phys.	1089-7690
111	Capturing molten globule state of $\alpha$ -lactalbumin through constant pH molecular dynamics simulations	N. Bhattacharjee, P. Rani and P. Biswas	J. Chem. Phys.	1089-7690
112	Semiflexibility induced range of conformations in dendrimers	A. Kumar and P. Biswas	Soft Matter (Communication)	1744-6848
113	Sulphur containing angiotensin converting enzyme inhibitor-3-Thienylalanine-Orinthyl-proline activates endothelial function and expression of genes involved in renin angiotensin system	S. Chaudhary, M. K. Seth, I. D. Vats, K. Kumar, P. Biswas et al.	J. Cardiovasc. Pharm.	1533-4023
114	Optical properties of Tb <sup>3+</sup> doped KLaF <sub>4</sub> in cubic and hexagonal symmetries.	Ahmad, S.; Das, S.; Nagarajan, R.; Prakash, G. V.	Opt. Mater	0925-3467
115	Wurtzite CuInS <sub>2</sub> : Solution based one pot direct synthesis and its doping studies with nonmagnetic Ga <sup>3+</sup> and magnetic Fe <sup>3+</sup> ions.	Gusain, M.; Kumar P.; Nagarajan R.	RSC Adv.	2046-2069
116	Quantitative X-ray Absorption and Emission Spectroscopies: Electronic Structure Elucidation of Cu <sub>2</sub> S and CuS.	Kumar, P.; Nagarajan R.; Sarangi, R.	J. Mater. Chem.C	2050-7526
117	Imidazole containing palladium (II) Complexes as Efficient Pre-Catalyst Systems for Heck and Suzuki Coupling Reaction: Synthesis, Structural Characterization and Catalytic Properties.	Trivedi, M.; Singh, G.; Nagarajan, R.; Rath, N. P.	Inorg.Chim.Acta	0020-1693
118	Precursor driven one pot synthesis of wurtzite and chalcopyrite CuFeS <sub>2</sub>	Kumar P., Uma S., Nagarajan R	Chem. Comm.	1359-7345
119	Single step hydrothermal based synthesis of M(II)Sb <sub>2</sub> O <sub>6</sub> (M = Cd and Zn) type antimonates and their photocatalytic properties	Singh J., Bhardwaj N., Uma S	Bull. Mater. Sci.	0973-7669
120	Formation of honeycomb ordered monoclinic Li <sub>2</sub> M <sub>2</sub> TeO <sub>6</sub> (M = Cu, Ni) and disordered orthorhombic Li <sub>2</sub> Ni <sub>2</sub> TeO <sub>6</sub> oxides,	Kumar V., Gupta A., Uma S	Dalton Trans.	1477-9234
121	"Selective synthesis of 4,5-dihydroimidazo- and imidazo[1,5-a]quinoxalines via modified Pictet-Spengler reaction"	Akhilesh K. Verma,* Rajeev Ranjan Jha, V. Kasi Sankar, Raj Pal Singh	Tetrahedron Lett.	0040-4039
122	"Biomedical importance of indoles"	Kaushik, N. K., Kaushik, N., Attri, P., Kumar, N., Kim, C.H., Verma, A. K., Choi, E. H.	Molecules	1420-3049
123	Antibacterial and cytotoxic activities of diterpenoids isolated from Indian <i>Plectranthus coesta</i> "	Waldia, S., Kaushik, N., Akhilesh K. Verma,* Joshi, B. C., Pathak, U., Joshi, M. C.,	Records of Natural Products	1307-6167



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124	"On Water: Silver-Catalyzed Domino Approach for the Synthesis of Benzoxazine/Oxazine Fused Isoquinolines and Naphthyridines from ortho-Alkynylaldehydes"	Akhilesh K. Verma, Deepak Choudhary, Rakesh K. Saunthwal, Vineeta Rustagi, Monika Patel and Rakesh K. Tiwari	J. Org. Chem.	0022-3263
125	"Tandem Synthesis of Pyrroloacridones via [3 + 2] Alkyne Annulation/Ring-Opening with Concomitant Intramolecular Aldol Condensation"	Akhilesh K. Verma, Siva K. Reddy Kotla, Trapti Aggarwal, Sonu Kumar, Hemlata Nimesh, and Rakesh K. Tiwari	J. Org. Chem.	0022-3263
126	"Silver-Catalyzed Tandem Synthesis of Naphthyridines and Thienopyridines via Three-Component Reaction"	Akhilesh K. Verma, Siva K. Reddy Kotla, Deepak Choudhary, Monika Patel, and Rakesh K. Tiwari,	J. Org. Chem.,	0022-3263
127	"Benzotriazol-1-ylmethanol: An excellent bidentate ligand for the copper/palladium-catalyzed C-N and C-C coupling reaction"	Rajeev R. Jha, Jaspal Singh, Rakesh K. Tiwari and Akhilesh K. Verma*	ARKIVOC,	1551-7004
128	"2-(1-Benzotriazolyl)pyridine: A Robust Bidentate Ligand for the Palladium-Catalyzed C-C, (Suzuki, Heck, Oxidative-Heck, Sonogashira), C-N and C-S Coupling Reactions"	Akhilesh K. Verma*, Rajeev R. Jha, Ritu Chaudhary, Rakesh K. Tiwari and Abhinandan Danodia	Adv. Syn. and Catal.	1615-4169
129	Sodium carbonate mediated regioselective synthesis of novel N-(hydroxyalkyl)cinnamamides	Garg, P.; Milton, M. D.	Tetrahedron Lett.	0040-4039
130	Perception into hypoxia selectivity and electronic features of symmetrically substituted bithiosemicarbazone ligands and their copper complexes: DFT and QM/MM docking	Chadha, N.; Tiwari, A. K.; Milton, M. D.; Mishra, A. K.	Med. Chem. Commun.	2040-2503
131	Functionalized quantum dots for biosensing and bioimaging and concerns on toxicity	Wang Y, Hu R, Lin G, Roy I, Yong KT	ACS Appl Mater Interfaces	1944-8252
132	Optimizing the synthesis of red- and near-infrared CuInS <sub>2</sub> and AgInS <sub>2</sub> semiconductor nanocrystals for bioimaging	Liu L, Hu R, Law WC, Roy I, Zhu J, Ye L, Hu S, Zhang X, Yong KT	Analyst	1364-5528
133	Hollow Silica Nanoparticles As Support For Catalase Enzyme Immobilization.	Henam Premananda Singh, Nikesh Gupta, Rakesh Kumar Sharma	Catalysis Letters	1572-879X
134	Synthesis of bimetallic Pt-Cu nanoparticles and their application in the reduction of Rhodamine B	Henam Premananda Singh, Nikesh Gupta, Surinder Kumar Sharma, Rakesh Kumar Sharma	Colloids and Surfaces A: Physicochem. Eng. Aspects	0927-7757
135	Study of solute- solute and solute-solvent interactions of L-methionine in aqueous-sucrose solutions at different temperatures.	Anil Kumar Nain, Monika Lather, Rakesh Kumar Sharma	J. Chem. Thermodynamics	0021-9614
136	Green Approach For Synthesis of Silver Nanoparticles and Their Antibacterial Activity Against Multi Drug Resistant Human Pathogens	Nikesh Gupta, Aanchal Panwar, Ravindra Kumar, Surinder Kumar Sharma, Rakesh Kumar Sharma, Veena Agrawal	Advanced science engineering and medicine	2164-6627
137	Synthesis of hydrophilic carbon black for application in electrochemical electrodes; Role of water in protonic conduction and maintaining the hydration	P. Ahuja, G. Gupta, S. K. Singh, R. K. Sharma, G. Singh	RSC Advances	2046-2069
138	Development and properties of surfactant-free water-dispersible Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals: a material for low-cost photovoltaics	P. Kush, S. K. Ujjain, N. C. Mehra, P. Jha, R. K. Sharma, S. Deka	Chemphyschem	1439-7641
139	Morphology controlled synthesis of nanoporous Co <sub>3</sub> O <sub>4</sub> nanostructures and their charge storage characteristics in supercapacitors	K. Deori, S. Ujjain, R. K. Sharma, S. Deka	ACS applied material and interfaces	1944-8252

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140	Synthesis and Antimicrobial activity of pyrimidine chalcone	Rakesh Kumar, Jyoti Arora, Ashok K Prasad, Najmal Islam and Anita K Verma	Med. Chem. Research	1054-2523
141	Stereocontrolled oxidative additions upon 1,4-dihydropyridines: Synthesis of hexahydrofuro[2,3-b]pyridine and hexahydropyrano[2,3-b]pyridine derivatives	Rakesh Kumar, Dhiraj Kumar and Ashok K. Prasad	Synthetic Communications	0039-7911
142	Exploring the thermal stability of $\alpha$ -chymotrypsin in protic ionic liquids	Pankaj Attri and P. Venkatesu	Process Biochemistry	1359-5113
143	Effect of anion variation on the thermophysical properties of triethylammonium based protic ionic liquids with polar solvent	V. Govinda, P.M.Reddy, P. Attri, P.Venkatesu and P.Venkateswarlu	Thermochimica Acta	0040-6031
144	Interruption of hydration state of thermoresponsive polymer, poly(N-isopropylacrylamide) in guanidinium hydrochloride	P. M. Reddy, M. Taha, A. Kumar, P. Venkatesu and M. J. Lee	Polymer	0032-3861
145	Prevention of Insulin Self-aggregation by Protic Ionic Liquid	A. Kumar and P.Venkatesu	RSC Advances	2046-2069
146	Influence of anion on thermophysical properties of ionic liquids with polar solvent	V. Govinda, P. M. Reddy, P. Attri, P. Venkatesu, P.Venkateswarlu	J. Chem. Thermodyn	0021-9614
147	Ammonium based ionic liquids act as compatible solvents for glycine peptides	T. Vasantha, Pankaj Attri, P. Venkatesu, R. S. Ramadevi	J. Chem. Thermodynamics	0021-9614
148	Kinetic and Electrical Conductivity Measurement Study of SDBF Resin	Dhanraj T. Masram, K. P. Kariya, N. S. Bhawe	International Journal of Engineering Research	0973-4562
149	Synthesis and biological activities of selected quinolone-metal complexes	R. Singh, A. Debnath, Dhanraj T. Masram, D. Rathore	Research Journal of Chemical Sciences	2231-606X
150	New Class of Phosphine Donor-Based Supramolecular Coordination Complexes from an in Situ Phosphine Oxidation Reaction or Phosphine Oxide Ligands	B. Shankar, P. Elumali, R. Shanmugam, V. Singh, Dhanraj T. Masram, M. Sathiyendhiran	Inorganic chemistry, ACS Publications	1520-510X
151	"Synthesis and Characterization of Some Transition Metal Complexes of Norfloxacin in presence of 1, 10-phenanthroline	A. Debnath, Dhanraj T. Masram	Der Pharma Chemica, Scholars Research Library	0975-413X
152	"One-Pot Synthesis of Benzoxanthenes in Solvent Free Condition using Chloroaluminate Ionic Liquids as Catalyst	Sugat Kirti, Dhanraj T. Masram	Journal of Advances in Chemistry	2321-807X
153	Functionalized Hydroxyethylamine Based Peptide Nanostructures As Potential Inhibitors of Falcipain-3, an Essential Proteases of <i>Plasmodium falciparum</i>	Brijesh Rathi, Anil K. Singh, Ram Kishan, Neelu Singh, N. Latha, S. Srinivasan, Kailash C Pandey, Hemandra K. Tiwari and Brajendra K. Singh	Bioorganic and Medicinal Chemistry	0968-0896
154	Microwave-Assisted Copper Azide Alkyne Cycloaddition (CuAAC) Reaction using D-Glucose as a Better Alternative Reductant	Yogesh Kumar, Vijay Bahadur, Anil K. Singh, V. S. Parmar, Brajendra K. Singh	J. Indian Chem. Soc	0019-4522
155	Entry of chiral phthalimides with significant second order nonlinear optical and piezoelectric properties	Anil K Singh, Ram Kishan, N. Vijayan, V. Balachandran, Taruna Singh, Hemandra K Tiwari, Brajendra K. Singh and Brijesh Rathi	RSC Advances	2046-2069

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156	Ethyl 3',4',5'-trimethoxythionocinnamate modulates NF- $\kappa$ B and Nrf2 transcription factor	Sarvesh Kumar, Brajendra K. Singh, Ashok K. Prasad, Virinder S. Parmar, Shyam Biswal, Balaram Ghosh	European Journal of Pharmacology	1879-0712
157	A novel cinnamate derivative attenuates asthma features and reduces bronchial epithelial injury in mouse model	Sarvesh Kumar, Ulaganathan Mabalirajan, Rakhshinda Rehman, Brajendra K. Singh, Virinder S. Parmar, Ashok K. Prasad, Shyam Biswal, Balaram Ghosh	International Immunopharmacology	1567-5769
158	Identification of small peptides inhibiting the integrase-LEDGF/p75 interaction through targeting the cellular co-factor	Claudia Cavalluzzo, Frauke Christ, Arnout Voet, Ajendra Sharma, Brajendra K. Singh, Kam Y.J. Zhang, Eveline Lescrinier, Marc De Maeyer, Zeger Debyser and Erik Van der Eycken.	J. Peptide Science	1099-1387
159	De novo design of small molecule inhibitors targeting the LEDGF/p75-HIV integrase interaction.	Claudia Cavalluzzo, Arnout Voet, Frauke Christ, Brajendra K. Singh, Ajendra Sharma, Zeger Debyser, Marc De Maeyer, Erik Van der Eycken	RSC Advances	2046-2069
160	Synthesis of rhenium-based M <sub>2</sub> LL $\phi$ -type supramolecular coordination complexes from flexible ligands	B. Shankar, P. Elumalai, P. J. Jackmil, P. Kumar, S. Singh, M. Sathiyendiran	Journal of Organometallic Chemistry	0022-328X
161	Morphology Controlled Synthesis of Nanoporous Co <sub>3</sub> O <sub>4</sub> Nanostructures and Their Charge Storage Characteristics in Supercapacitors	K. Deori, S.K. Ujjain, R. K. Sharma, Sasanka Deka	ACS Appl. Mater. Interfaces	1944-8244
162	Morphology oriented surfactant dependent CoO and reaction time dependent Co <sub>3</sub> O <sub>4</sub> nanocrystals from single synthesis method and their optical and magnetic properties	K. Deori, Sasanka Deka,	CrysEngComm	1466-8033
163	Development and Properties of Surfactant-Free Water-Dispersible Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanocrystals: A Material for Low-Cost Photovoltaics	P. Kush, S.K. Ujjain, N.C. Mehra, P. Jha, R.K. Sharma, Sasanka Deka,	ChemPhysChem	1439-7641
164	Introducing Nanocrystalline CeO <sub>2</sub> as Heterogeneous Environmental Friendly Catalyst for the Aerobic Oxidation of Para-xylene to Terephthalic Acid in Water	K. Deori, D. Gupta, B. Saha, S. Awasthi, Sasanka Deka,	J. Mater. Chem. A	2050-7488
165	Synthesis, characterization and optical properties of novel hierarchical flower like pyrite FeS <sub>2</sub> particles for low cost photovoltaics	P. Kush, N.C. Mehra, Sasanka Deka,	Sci. Adv. Mater.	1947-2935
166	Transition metal ion-induced anisotropic architectures using 4,4'-dicarboxy-2,2'-bipyridyl-silver nanopetals	N. Vilvamani, Sasanka Deka, T. Gupta	Adv. Mater. Lett.	0976-3961
167	Chiral Iron Catalysts for Asymmetric Synthesis	Kovuru Gopalaiah	Chemical Reviews	1520-6890
168	Recent Developments in Samarium Diiodide Promoted Organic Reactions	Kovuru Gopalaiah, Henri B. Kagan	The Chemical Record	1528-0691
169	Effect of Cyanide Ligands on the Electronic Structure of [FeFe] Hydrogenase Active Site Model Complexes with an Azadithiolate Ligand	Özlen F. Erdem, M. Stein, Sandeep Kaur-Ghumaan, E. J. Reijerse, S. Ott and W. Lubitz	Chem. Eur. J.	0947-6539
170	Microbial Hydrogen Splitting in the Presence of Oxygen	M. Stein and Sandeep Kaur-Ghumaan	Biochem. Soc. Trans.	0300-5127
171	Synthesis and characterization of tetragonal prismatic $\pi$ -stacked metallacycles	Shankar, B., Elumalai, P., Hussain, F., & M. Sathiyendiran.	Journal of Organometallic Chemistry	0022-328X

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172	Rhenium-based bicyclic supramolecule with calixarene-shaped bowls	Rajakannu, P., Elumalai, P., Hussain, F. & Sathiyendiran, M.	Journal of Organometallic Chemistry	0022-328X
173	Design strategy for arranging an aromatic cyclic trimer into a tripodal molecule	Elumalai, P., Rajakannu, P., Hussain, F. Sathiyendiran, M.	RSC Advances	2046-2069
174	Rhenium (I) based metallocalix [4] arenes decorated with free functionalized benzimidazolyl units	Rajakannu, P., Elumalai, P., Shankar, B., Hussain, F. & Sathiyendiran, M.	Dalton Transactions	1477-9226
175	Design, Synthesis and biological evaluation of catecholamine vehicle for studying dopaminergic system	Singh, P.; Agrawal, S.; Tiwari, A. K.; Pratap, R.; Mishra, A. K.	Chem. Biol. & Drug Design	1747-0285
176	Direct alkenylation of indolin-2-ones by 6-aryl-4-methylthio-2H-pyran-2-one-3-carbonitriles: a novel approach	Kumar, S.; Pratap, R.; Kumar, A.; Kumar, B.; Tandon, V. K.; Ram, V. J.	Beilstein J. Org. Chem.	1860-5397
177	Synthesis of Dibenzo[d,f]diazepinones and Alkenylindolinones through ring transformation of 2H-pyran-2-ones with indolin-2-ones	Kumar, S.; Pratap, R.; Kumar, A.; Kumar, B.; Tandon, V. K.; Ram, V. J.	Tetrahedron	0040-4020
178	Copper(II) Complexes of new tetra-dentate bis-benzimidazolyl Diamide Ligand with disulfanediy linker: Synthesis, characterization and Oxidation of some pyridyl, naphthyl and benzyl alcohols	Tyagi, N.; Kumar, R.; Mahiya, K.; Mathur, P	Journal of Coord. Chem	. 3099067 5
179	Synthesis of a new N-substituted bis-benzimidazolyl diamide ligand and its trinuclear copper(II) complex : Structural and fluorescence studies	Mahiya, K.; Mathur, P	Spectrochimica Acta Part A	1386-1425
180	Bis-Benzimidazolyl Diamide Based Fluorescent Probe for Copper(II):Synthesis, Structural and Fluorescence Studies	Mahiya, K.; Mathur, P	Journal of Fluoroscnece	1573-4994
181	Dimeric Copper(II) Complex of a New Schiff Base Ligand: Effect of Morphology on the Catalytic Oxidation of Aromatic Alcohol	R.; Mahiya, K.; Mathur, P.	Dalton Transaction.	1477-9226
182	1-(Pyridin-2-ylmethyl)-2-(3-(1-(pyridin-2-ylmethyl)benzimidazol-2-yl)propyl)benzimidazole and its copper(II) complex as a new fluorescent sensor for dopamine (4-(2-aminoethyl)benzene-1,2-diol).	Khattar, R.; Mathur, P.	Inorganic Chemistry Communication	1387-7003
183	Morphology dependant oxidation of aromatic alcohols by new symmetrical copper(II) metallatriangles formed by self-assembly of a shared bisbenzimidazolyl diamide ligand	. Mahiya, K.; Mathur, P.	Inorganic Chimica Acta	0020-1693
184	Activity guided isolation of antioxidants from the roots of Rheum Emodi	P.P. Singh, Ambika	Natural product research,	1478-6427
185	Potassium carbonate catalyzed one pot four –component synthesis of rhodanine derivatives	S.J. Singh	Tet let.	7.0040-4039
186	Silicotungstic Acid Modified Bentonite: An Efficient Catalyst for Synthesis of Acetal Derivatives of Aldehydes and Ketones	Chaudhary ,R.; Datta M	Journal of Analytical Sciences, Methods and Instrumentation	2164-2753

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187	A Solvent Free Method For Deoximation Reaction	Chaudhary ,R.; Datta M	International Journal of Applied, Physical and Bio-Chemistry Research	2319-4448
188	.In Vitro Sustained Delivery of Atenolol, An Antihypertensive Drug Using Naturally Occurring Clay Mineral Montmorillonite As A Carrier	Seema, Datta, M	European chemical Bulletin	2063-5346
189	Clay–Polymer Nanocomposites As A Novel Drug Carrier: Synthesis, Characterization And Controlled Release Study Of Propranolol Hydrochloride	Seema, Datta, M	Applied Clay Science	0169-1317
190	Synthesis and Characterization of Biodegradable Clay- Polymer Nanocomposites For Oral Sustained Release of Anti-inflammatory Drug.	Kaur, M., Datta, M.	European chemical Bulletin	2063-5346
191	. Adsorption Equilibrium and Kinetics of Toxic Dye-Erythrosine B Adsorption onto Montmorillonite	Kaur, M., Datta	Adsorption Science & Technology	0263-6174
192	MMT-PLGA Nanocomposites as an Oral and Controlled Release Carrier For 5 - Fluorouracil: A Novel Approach.	Seema, Datta, M	International Journal of Pharmacy and Pharmaceutical Sciences	0975 - 1491
193	Removal of As <sup>3+</sup> from ppb level using chitosanMMT composite: Sorptive Equilibrium and Kinetics	Anjum, A. Seth, C., K. and Datta, M	Adsorption Science & Technology	0263-6174
194	In-silico engineering of intrinsically conducting copolymers using Particle SwarmOptimization algorithm	Priyanka Thakral, Vinita Arora , S Kukreti & A.K. Bakhshi,	Indian J. Chemistry	0975-0983
195	Designing novel copolymers of donor-acceptor polymers using an artificial intelligence method,	Vinita Kapoor & A.K. Bakhshi,	Superlattices and Microstructures	0749-6036
196	Bi- and Tri- Substituted Phenyl Ring containing Bisbenzimidazoles Bind Differentially with DNA duplexes: A Biophysical and Molecular Simulation Study	Singh M , Sur S, Jayaram B , Tandon V*	Mol. Biosyst	1742-206X
197	PNA containing 8-aza-7-deaza adenine influence structure stability and binding affinity of PNA•DNA duplex : Insights from Thermodynamics, Counter Ion, Hydration and Molecular Dynamics Analysis.	Gupta S K , Sur S, Ojha R P, Tandon V	Mol. Biosyst	1742-206X
198	3,4-Dimethoxyphenyl bis-benzimidazole derivative, mitigates radiation induced DNA damage	Ranjan, A, Kaur N, Tiwari V, Chaturvedi M. M, Singh Y, Tandon V*	Radiation Research	1938-5404
199	Zinc-modified MCM-22 as potential solid acid catalyst for Friedel-Crafts alkylation reaction	Lande, S, Sakthivel, A. * Murthy, KVVSBER, Das, J., Unnikrishnan, S., Jasra, R. V.	International Journal of Chemical Reactor Engineering	2194-5748
200	Silicate Anion-Stabilised Layered Magnesium–Aluminium Hydrotalcite,	Baskaran, T, Kumaravel, R, J. Christopher, and Sakthivel, A. *	RSC Advances	2046-2069
201	Unique mesoporous silicoaluminophosphate assembled from faujasite-type SAPO-37 precursor: A potential catalyst for isomerization	Yadav, R, Singh, A. K. and Sakthivel, A. *	Chemistry Letters	1160-1162
202	Synthesis, Characterisation and its Catalytic applications of Mesoporous SAPO-34 (MESO-SAPO-34) Molecular Sieves	Singh, A.K, Yadav, R. and Sakthivel, A. *	Microporous and Mesoporous Materials	82-90

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203	Tertiary butylation of phenol over solid acid catalysts: An overview on recent progress,	Selvam P, Krishnan, NV, & Sakthivel, A. *	Advanced Porous Materials	2327-3941
204	Application of Raman spectroscopy in forensic investigation of questioned documents involving stamp inks	Raza, A. Saha, B.	Science and Justice	1355-0306
205	Advances in biomass transformation to 5-hydroxymethylfurfural and mechanistic aspects	Dutta, S. De, S. Saha, B.	Biomass and Bioenergy	0961-9534
206	Introducing nanocrystalline CeO <sub>2</sub> as heterogeneous environmental friendly catalyst for the aerobic oxidation of para-xylene to terephthalic acid in water	Deori, K., Gupta, D., Saha, B. Awasthi, S.K., Deka, S	Journal of Materials Chemistry A	0959-9428
207	Zr(O)Cl <sub>2</sub> catalyst for selective conversion of biorenewable carbohydrates and biopolymers to biofuel precursor 5-hydroxymethylfurfural in aqueous medium	Saha, B. De, S. Fan, M	Fuel	0016-2361
208	Recent advancements of replacing existing aniline production process with environmentally friendly one-pot process: An overview	Saha, B. De, S., Dutta, S	Critical Reviews in Environmental Science and Technology	1064-3389
209	Porphyrin-based porous organic polymer-supported iron(III) catalyst for efficient aerobic oxidation of 5-hydroxymethyl-furfural into 2,5-furandicarboxylic acid	Saha, B. Gupta, D. Abu-Omar, M.M. Modak, A. Bhaumik, A	Journal of Catalysis	0021-9517
210	Synthesis of rhenium-based M <sub>2</sub> LL <sub>0</sub> -type supramolecular coordination complexes from flexible ligands	Shankar, B., Elumalai, P., Jackmil, P.J., Kumar, P., Singh, S., Sathiyendiran, M.	Journal of Organometallic Chemistry	0022-328X
211	Microwave synthesis, characterization and bio-efficacy evaluation of novel chalcone based 6-carbethoxy-2- cyclohexen-1-one and 2H-indazol-3-ol	Shakil, N.A., Singh, M.K., Sathiyendiran, M., Kumar, J., Padaria, J.C.	European Journal of Medicinal Chemistry	0223-5234
212	Hard and soft-donors decorated rhenium based metallocavitands	Rajakannu, P., Elumalai, P., Mobin, S.M., Lu, K.-L., Sathiyendiran, M.	Journal of Organometallic Chemistry	0022-328X
213	Rhenium-based bicyclic supramolecule with calixarene-shaped bowls	Rajakannu, P., Elumalai, P., Hussain, F., Sathiyendiran, M.	Journal of Organometallic Chemistry	0022-328X
214	Design strategy for arranging an aromatic cyclic trimer into a tripodal molecule	Elumalai, P., Rajakannu, P., Hussain, F., Sathiyendiran, M.	RSC Advances	2046-2069
215	Synthesis and characterization of tetragonal prismatic $\pi$ -stacked metallacycles	Shankar, B., Elumalai, P., Hussain, F., Sathiyendiran, M.	Journal of Organometallic Chemistry	0022-328X
216	New class of phosphine oxide donor-based supramolecular coordination complexes from an in situ phosphine oxidation reaction or phosphine oxide	Shankar, B., Elumalai, P., Shanmugam, R., Singh, V., Masram, D.T., Sathiyendiran, M.	Inorganic Chemistry	0020-1669
217	Synthesis of a polynuclear complex possessing four spatially arranged rhenium units	Shankar, B., Elumalai, P., Sathiyendiran, M.	Inorganic Chemistry Communications	1387-7003

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218	Rhenium(i) based metallocalix[4]arenes decorated with free functionalized benzimidazolyl units	Rajakannu, P., Elumalai, P., Shankar, B., Hussain, F., Sathiyendiran, M.	Dalton Transactions	1477-9226
219		Akhilesh K. Verma*, Siva K. Reddy Kotla, Trapti Aggarwal, Sonu Kumar, Hemlata Nimesh and Rakesh K. Tiwari.	J. Org. Chem.	0022-3263
220	Effect of hydroxyl group on the photophysical properties of benzo[a]xanthenes - Solvatochromic studies and estimation of dipole moment	Komal Aggarwal, J. M. Khurana	Journal of Photochemistry and Photobiology A: Chemistry	1010-6030.
221	One-pot synthesis of biologically important spiro-2-amino-4H-pyrans, spiroacenaphthylenes, and spirooxindoles using DBU as a green and recyclable catalyst in aqueous medium	Pooja Saluja, Komal Aggarwal, J.M. Khurana,	Synthetic Communications	1532-2432
222	Xanthenes as potential antioxidants	Siva S. Panda, Mahesh Chand, Rajeev Sakhuja and Subhash C	Current Medicinal Chemistry	0929-8673
223	Imidazole containing Palladium(II) complexes as efficient pre-catalyst systems for Heck and Suzuki Coupling Reaction: Synthesis, Structural Characterization and Catalytic Properties	M. Trivedi, G. Singh, R. Nagarajan, N.P. Rath	Inorganica Chimica Acta	0020-1693
224	Thiocyanato-Bridged Copper(I) Cubane Complex and its application in low loading Palladium-Catalyzed Sonogashira Coupling of Aryl halides	M. Trivedi, G. Singh, A. Kumar, N.P. Rath	Dalton Transactions.	1477-9234
225	Synthesis and antiproliferative and c-Src kinase inhibitory activities of cinnamoyl- and pyranochromen-2-one derivatives	K. Chand, A. N. Shirazi, P. Yadav, R. K. Tiwari, K. Parang, S. K. Sharma	Can. J. Chem.	0008-4042
226	Synthesis and structural chemistry of N-{2-(Arylthio/seleno)ethyl}morpholine/piperidine-Palladium(II) complexes as potent catalysts for the Heck reaction	Pradhumn Singh, Dipanwita Das, Om Prakash and Ajai K. Singh	Inorganica Chimica Acta	0020-1693
227	Selenium Containing Imidazolium Salt in Designing Single Source Precursors for Silver Bromide and Selenide Nano-Particles	Hemant Joshi, Kamal Nayan Sharma, Ved Vadi Singh, Pradhumn Singh and Ajai K. Singh	Dalton Transaction	1477-9234
228	Chalcogen Dependant Palladation at Benzyl Carbon of 3-Di[(phenylchalcogeno)methyl]quinoxaline: Palladium Complexes Catalyzing Suzuki-Miyaura Coupling via Palladium-Chalcogen Nano-Particles	Fariha Saleem, Gyandshwar Kumar Rao, Pradhumn Singh and Ajai K. Singh	Organometallics	1520-6041
229	Palladium(II) complexes of pyrazolated thio/selenoethers: syntheses, structures, single source precursors of PdaSe and PdSe nano-particles and potential for catalyzing Suzuki-Miyaura coupling	Kamal Nayan Sharma, Hemant Joshi, Ved Vadi Singh, Pradhumn Singh and Ajai K. Singh	Dalton Transaction	1477-9234
230	"Tautomeric transformations and reactivity of alloxan"	Rita Kakkar, Mamta Bhandari, Ritu Gaba,	Journal of Theoretical and Computational Chemistry	1793-6888

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231	"Theoretical Investigation of the Alloxan–Dialuric Acid Redox Cycle"	Rita Kakkar, MamtaBhandari,	International Journal of Quantum Chemistry	1097-461X
232	"Adsorption studies of acetaldehyde on TiO <sub>2</sub> nanosurface"	RituGaba, MamtaBhandari, Rita Kakkar,	Advanced Materials Letters	0976-3961
233	Inhibitors of transcription factor nuclear factor-kappa beta (NF-κβ)-DNA binding	Rakesh Kumar Sharma, Masami Otsuka, Garima Gaba and Shilpa Mehta	RSC Advances	2046-2069
234	Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) Silica Based Organic-Inorganic Hybrid Copper(II) Nanocatalyst: A Platform For Aerobic N-alkylation of Amines	R. K. Sharma, Yukti Monga, Aditi Puri and Garima Gaba	Green Chemistry	1463-9270