

**Publications of Teachers of Department of Chemistry, University of Delhi in Year 2017**

<b>S. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISBN/ISS</b>
1	Synthesis and Characterization of Hybrid Mg(OH) <sub>2</sub> / CeCO <sub>3</sub> OH Composite with Improved Activity Towards Henry Reaction	Ravi Tomar, Nidhi Singh, Garima Rathee, Neeraj Kumar, Vartika Tomar, Ramesh Chandra	Asian journal of organic chemistry	21935807
2	Exploring the interplay between autoimmunity and cancer to find the target therapeutic hotspots.	Neeraj Kumar, Heerak Chugh, Ravi Tomar, Vartika Tomar, Vimal Kishor Singh and Ramesh Chandra	Artificial cells, Nanomedicine and Biotechnology	21691401
3	Preclinical Evaluation and Molecular Docking of 1, 3, Benzodioxole Propargyl Ether Derivatives as Novel Inhibitor for Combating the Histone Deacetylase Enzyme in Cancer.	Neeraj Kumar, Ravi Tomar, Apurva Pandey, Vartika Tomar, Vimal Singh and Ramesh Chandra	Artificial cells, Nanomedicine and Biotechnology	21691401
4	Efficient Tool for the Synthesis of Biological potent Organic Compounds.	Kumari K, Vishvakarma VK, Singh P, Patel R, Chandra R	Curr. Med. Chem.	0929-8673
5	Noscapinoids bearing silver nanocrystals augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in B16F1, mouse melanoma skin cancer cells.	Soni N, Jyoti K, Jain UK, Katyal A, Chandra R, Madan J	Biomedicine & Pharmacotherapy	7533322
6	Stealth recombinant human serum albumin nanoparticles conjugating 5-fluorouracil augmented drug delivery and cytotoxicity in human colon cancer, HT-29 cells.	Sharma A, Kaur A, Jain UK, Chandra R, Madan J	Colloids and Surfaces B: Biointerfaces	9277765
7	Noscapinoids bearing silver nanocrystals augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in B16F1, mouse melanoma skin cancer cells.	Soni N, Jyoti K, Jain UK, Katyal A, Chandra R, Madan J	Biomedicine & Pharmacotherapy	7533322
8	Noscaine and its analogs as chemotherapeutic agent: Current Updates.	Tomar V, kukreti S, Prakash S, Madan J and Chandra R	Current Topics in Medicinal Chemistry	15680266
9	Structural Insights of Induced pluripotent stem cell regulatory factors Oct4 and its Interaction with Sox2 and Fgf4 Gene.	Singh V.K, Kumar N, Chandra R	Advances in Biochemistry and Biotechnology	2574-7258
10	The Implications and Future Perspectives of Nanomedicine for Cancer Stem Cell Targeted Therapies.	Vimal Kishor Singh, Abhishek Saini and Ramesh Chandra	Frontier Molecular Biosciences	1093-9946

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11	Green synthesis of silver nanoparticles using Prosopis juliflora bark extract: reaction optimization, antimicrobial and catalytic activities	Geet Arya, Mankamna Kumari, Nidhi Gupta, Ajeet Kumar, Ramesh Chandra, Surendar Nimesh	Artificial Cells Nanomedicine Biotechnology.	21691401
12	Degradation of anthropogenic pollutant and organic dyes by biosynthesized silver nano-catalyst from Cicer arietinum leaves.	Geeta Aryaa, Nikita Sharma, Jahangir Ahmed, Nidhi Gupta, Ajeet Kumar, Ramesh Chandra, Surendra Nimesh	Journal of Photochemistry and Photobiology B: Biology.	1011-1344
13	Impact of Gemini Surfactants on the Stability of Insulin using Computational Tools.	Durgesh Kumar, Prashant Singh, Ramesh Chandra, Kamlesh Kumari and Mukesh Kumar, Mahendra Kumar Meena	Journal of Nanomedicine & Biotherapeutic Discovery	2155-983X
14	Metal NPs (Au, Ag, and Cu): Synthesis, Stabilization, and Their Role in Green Chemistry and Drug Delivery.	Prashant Singh, Kamlesh Kumari, Vijay K. Vishvakrma, Gopal K. Mehrotra, Ramesh Chandra, Durgesh Kumar, Rajan Patel, Vaishali V. Shahare	Green Technologies and Environmental Sustainability	978-3-319-50653-1
15	Synthetic, spectral and structural studies of a Schiff base and its anticorrosive activity on mild steel in H <sub>2</sub> SO <sub>4</sub>	Akshay Kumar, Manoj Trivedi, Bhaskaran, Raj Kishore Sharma and Gurmeet Singh	New Journal of Chemistry	1144-0546
16	Graphene Nanoribbons @ Vanadium Oxide Nanostrips for Supercapacitive Energy Storage	Vikrant Sahu, Shubhra Goel, Anuj Kumar Tomar, Gurmeet Singh, Raj Kishore Sharma	Electrochimica Acta	0013-4686
17	In situ immobilized, magnetite nanoplatelets over holey graphene nanoribbons for high performance solid state supercapacitor	Shubra Lalwani, Vikrant Sahu, Ram Bhagat Marichi, Gurmeet Singh, Raj Kishore Sharma	Electrochimica Acta	0013-4686

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18	cis-1,2-bis(diphenylphosphino)ethylene copper(I) catalyzed C-H activation and carboxylation of terminal alkynes	Manoj Trivedi, Jacob R. Smreker, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath	New Journal of Chemistry	1144-0546
19	Multifunctional, Self-Activating Oxygen-Rich Holey Carbon Monolith Derived from Agarose Biopolymer	Vikrant Sahu, Ram Bhagat Marichi, Gurmeet Singh, and Raj Kishore Sharma	ACS Sustainable Chem. Eng.	2168-0485
20	Turning Hazardous Diesel Soot into High Performance Carbon/MnO <sub>2</sub> Supercapacitive Energy Storage Material	Vikrant Sahu, Monu Mishra, Govind Gupta, Gurmeet Singh, and Raj Kishore Sharma	ACS Sustainable Chem. Eng.	2168-0485
21	Hierarchically structured magnesium based oxides : Synthesis strategies and applications in organic pollutant remediation	Lekha Sharma, Rita kakkar	CrystEngComm	1466-8033
22	Hierarchical Porous Magnesium Oxide (Hr-MgO) of an organophosphate pesticide:kinetics, isotherm, thermodynamics, and DFT studies	Lekha Sharma, Rita Kakkar	ACS Appl. Mater. Interfaces	1944-8244
23	Bis-triazolylated-1,4-dihydropyridine - Highly selective hydrophilic fluorescent probe for detection of Fe <sup>3+</sup>	Rash Kumar, Parveen Gahlyan, Neha Yadav, Mamta Bhandari, Rita Kakkar, Manu Dalela, Ashok K. Prasad	Dyes and Pigments	0143-7208
24	Influence of intrinsic and extrinsic factors on the anti radical activity of Gallic acid:a theoretical study	Bharti Badhani, Rita Kakkar	Struct. Chem.	0022-4766
25	DFT studies on the acid-catalysed Curtiss reaction:the Schmidt reaction	Rita Kakkar, Ritu Arora, Sheza Zaidi	Struct. Chem.	0022-4766
26	Conformational properties of DNA minor groove binder Hoechst 33258 in gas phase and in aqueous solution	Upasana Issar, Tripti Kumari, Richa Arora, Rita Kakkar	Comp. Theor. Chem.	2210-271X
27	Synthesis, pharmacological evaluation and molecular docking of pyranopyrazole-linked 1,4-dihydropyridines as potent positive inotropes	Kumar, R., Yadav, N., Lavilla, R., Blasi, D., Quintana, J., Brea. J. M., Loza, M.I., Mestres, J., Bhandari, M., Arora, R., Kakkar, Rita & Prasad, A. K.	Mol. Divers,	1573-501X

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28	Theoretical study of the mechanism of the Wolff rearrangement of some diazocarbonyl compounds	Arora, Ritu & Kakkar, Rita	Comp. Theor. Chem.	2210-271X
29	Theoretical study of the molecular structure and intramolecular proton transfer in benzohydroxamic acid	Arora, Richa, Issar, Upasana & Kakkar, Rita	Comp. Theor. Chem.	2210-271X
30	Nanocrystals of zeolite ZSM-5 as Catalysts for the liquid phase benzylation of anisole with benzoyl alcohol	Radhika, N.P; Selvin, R.; Kakkar, Rita; Hsu, H-L.	J. Nanosci. & Nanotech.	1533-4880
31	Synthesis of a novel 5a,10a-dihydroxy-5aH-[1,3]dioxolo[4,5-f]indeno[1,2-b] benzofuran-10(10aH)-one their XRD, FTIR, NMR and DFT studies	Komal Aggarwal and J. M. Khurana	Journal of Molecular Structure	0022-2860
32	One pot three component synthesis of spiro [indolo-3,10'-indeno[1,2-b] quinolin]-2,4,11'-triones as a new class of antifungal and antimicrobial agents	Kalawati Meena, Sudesh Kumari, J. M. Khurana, Amita Malik , Chetan Sharm , Harsh Panwar	Chinese Chemical letters	1001-8417
33	Synthesis and Application of a Novel Indenoquinoline Dione Conjugate as A Dual Fluorescent and Colorimetric pH Sensor	Komal Aggarwal and J. M. Khurana	Journal of Luminescence	0022-2313
34	Removal of dyes using graphene based composites: A Review	Ishani Khurana, Amit Saxena, Bharti, J. M. Khurana and P.K. Rai	Water, Air, & Soil Pollution	0049-6979
35	Recyclable Zinc (II) ionic liquid catalyzed synthesis of azides by direct azidation of alcohols using trimethylsilylazide at room temperature	Ashima Singh, Harjinder Singh, J.M.Khurana	Tetrahedron Letters	0040-4039
36	A combined experimental and theoretical approach for structural, spectroscopic, NLO, NBO, thermal and photophysical studies of new fluorescent 5-amino-1-(7-chloroquinolin-4-yl)-1H-1,2,3-triazole-4-carbonitrile using density functional theory	Harjinder Singh, Ashima Singh, J.M.Khurana	Journal of Molecular Structure	0022-2860
37	An efficient green approach for the synthesis of novel 5-hydroxy-chromeno[2,3-b]pyridines under catalyst and solvent free conditions	Shruti Gupta and J. M. Khurana	Green Chemistry	1463-9262

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38	A facile and convenient approach for the synthesis of novel sesamol-oxazine and quinoline-oxazine hybrids <i>via</i> three component reaction in glacial acetic acid	Garima Khanna, Pooja Saluja and J. M. Khurana	Australian Journal of Chemistry	0004-9425
39	An efficient catalyst free synthesis of novel chromeno[4,3-b]quinolines through Michael Initiated Ring Closure (MIRC) reaction with in situ generated 3-(arylmethylene)chroman-2,4-diones	Sudesh Kumari and J. M. Khurana	Journal of Chemical Sciences	0973-7103
40	Recent Advances in the Application of Meldrum's Acid in Multicomponent Reactions	Ankita Chaudhary, Pooja Saluja and J. M. Khurana	Current Green Chemistry	2213-3461
41	Synthesis of novel 5-substituted 6-phenylpyrrolo[2,3-d]pyrimidine derivatives <i>via</i> one-pot three component reactions under catalyst free condition	Mohit Saroha, Garima Khanna and J. M. Khurana	Chemistry Select	2365-6549
42	One-Pot Synthesis of Hydroxy Pyrazolo[1,2-a][1,2,4]triazoles and their Dehydration using Recyclable Ionic Liquids as Reaction Media	Kalawati Meena, Sudesh Kumari, J. M. Khurana, Amita Malik	Journal of Heterocyclic Chemistry	1943-5193
43	Synthetic Routes for Phenazines: An Overview	Ankita Chaudhary and J.M. Khurana	Res Chem Intermed	0922-6168
44	Nickel boride mediated chemoselective deprotection of 1,1-diacetates to aldehydes and deprotection with concomitant reduction to alcohols at ambient temperature	Gaurav Bartwal, Mohit Saroha, and J. M. Khurana	Synthetic Communications	1532-2432
45	Bis [(1)prolinate-N,O]Zn: A water-soluble and recycle catalyst for various organic transformations	Roona Poddar, Arti Jain and M. Kidwai	Journal of Advanced Research	2090-1232
46	A Novel and Template-Free Synthesis of Multifunctional Double-Shelled Fe <sub>3</sub> O <sub>4</sub> -C Nanoreactor as an Ideal Support for Confined Catalytic Reactions	Gunjan Arora, Manavi Yadav, Rashmi Gaur, Radhika Gupta, and Rakesh K. Sharma	Chemistry Select	2365-6549

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47	A straightforward one-pot synthesis of bioactive N-aryl oxazolidin-2-ones via a highly efficient Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -supported acetate-based butylimidazolium ionic liquid nanocatalyst under metal- and solvent-free conditions	R. Gupta, M. Yadav, R. Gaur, G.Arora and R.K. Sharma	Green Chemistry	1463-9262
48	Fabrication of Core–Shell-Structured Organic–Inorganic Hybrid Nanocatalyst for the Expedient Synthesis of Polysubstituted Oxazoles via Tandem Oxidative Cyclization Pathway	S. Dutta, S. Sharma, A. Sharma and R.K. Sharma	ACS Omega	2470-1343
49	Synthesis of novel C-4'-spiro-oxetano- $\alpha$ -L-ribonucleosides	R Kumar, M Kumar, A Singh, N Singh, J Maity AND AK Prasad	Carbohydrate Research	0008-6215
50	Chalcone-based aryloxypropanolamine as a potential antidiabetic and antidyslipidaemic agent	Poonam shukla, Mavurapu Satyanarayana. P. C. Verma, Jaya Tiwari, Atma P. Dwivedi, Rohit Srivastava, Neha Rahuja	Current Science	0011-3891
51	PDIM and SL1 accumulation in Mycobacterium tuberculosis is associated with mce4A expression	Pooja Singh, Rajesh Sinha, Gaurav Tyagi, Naresh Kumar Sharma, Neeraj K. Saini, Amita Chandolia, Ashok Kumar Prasad, Mandira Varma-Basil, Mridula Bose	Gene	0378-1119
52	Enzymatic separation of epimeric 4-C-hydroxymethylated furanosugars: Synthesis of bicyclic nucleosides	Neha Rana, Manish Kumar, Vinod Khatri, Jyotirmoy Maity and Ashok K. Prasad	Beilstein Journal of Organic Chemistry	1860-5397
53	Lipase-mediated synthesis of sugar–PEG-based amphiphiles for encapsulation and stabilization of indocyanine green	Vinod Khatri, Sumati Bhatia, Katharina Achazi, Satyanarayan Deep, Ekta Kohali, Sunil K. Sharma, Rainer Haag and Ashok K. Prasad	RSC Advances	2046-2069

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54	Chemistry for harmonious development and a sustainable future	Divya Mathur, Arkaja Goswami	Current Science	0011-3891
55	Synthesis and biological properties of triazole-linked locked nucleic acid	Vivek Kumar Sharma, Sunil Kumar Singh, Pranathi Krishnamurthy, Julia Alterman, Reka Haraszti, Anastasia Khvorova, Ashok Kumar Prasad and Jonathan Watts	Chem. Commun.	1359-7345
56	Synthesis and Excellent Duplex Stability of Oligonucleotides Containing 2'-Amino-LNA Functionalized with Galactose Units	Rajesh Kumar, Annika Ries and Jesper Wengel.	Molecules	1420-3049
57	Environment Friendly Biocatalytic Synthesis of Bicyclic A-L-Ribofuranosylnucleosides	Priyanka Mangla, Pallavi Rungta, Vipin K Maikhuri, Shivani and Ashok K Prasad	Trends in Carbohydrate Research	0975-0304
58	Microwave-Assisted Synthesis of C-4'-(1,5-disubstituted)-triazole-spiro- $\alpha$ -L-arabinofuranosyl Nucleosides	Pallavi Rungta, Priyanka Mangla, Vipin K Maikhuri, Sunil K Singh and Ashok K Prasad	Chemistry Select	2365-6549
59	Chemoenzymatic synthesis, nanotization and anti-Aspergillus activity of optically enriched fluconazole analogues	Shashwat Malhotra, Seema Singh, Neha Rana, Shilpi Tomar, Priyanka Bhatnagar, Mohit Gupta, Suraj K. Singh, Brajendra K. Singh, Anil K. Chhillar, Ashok K. Prasad, Christophe Len, Pradeep Kumar, Kailash C. Gupta, Anjani J. Varma, Ramesh C. Kuhad, Gainda L. Sharma, Virinder S. Parmar and Nigel G. J. Richards	Antimicrobial Agents and Chemotherapy	1098-6596

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60	A systematic review and integrative approach to decode the common molecular link between levodopa response and Parkinson's disease	D. Guin, M. K. Mishra, P. Talwar, C. Rawat, S. Kushwaha, S. Kukreti, Ritushree Kukreti	BMC Medical Genomics	1755-8794
61	A Triple Stranded G-Quadruplex Formation In The Promoter Region of Human Myosin b (MYH7) Gene	A. Singh and S. Kukreti	Journal of Biomolecular Structure & Dynamics	0739-1102
62	Multiple dimensions of functional relevance of genosensors	M. Kaushik, Sonia, S. Mahendru, P. Tyagi, and S. Kukreti	Integrated Ferroelectrics	1058-4587
63	Structural switch from a multistranded G-quadruplex to single strands as a consequence of point mutation in the promoter of the human GRIN1 gene	S. Chaudhary, M. Kaushik, R. Kukreti, S. Kukreti	Molecular Biosystems	1742-2051
64	In silico metaheuristic tailoring of quaternary copolymers	P. Thakral, S. Kukreti, A. K. Bakhshi	Emerging Materials Research	2046-0147
65	Magnesium and molecular crowding of the cosolutes stabilize the i-motif structure at physiological pH	S. Saxena, S. Joshi, J. Shankaraswamy, S. Tyagi, S. Kukreti	Biopolymers	1097-0282
66	Effect of Oxidative Stress on ABC Transporters: Contribution to Epilepsy Pharmacoresistance	G. K. Grewal, S. Kukal, N. Kanojia, L. Saso, S. Kukreti, R. Kukreti	Molecules	1420-3049
67	Genetic contribution of CYP1A1 variant on treatment outcome in epilepsy patients: a functional and interethnic perspective	P. Talwar, N. Kanoji, S. Mahendru, R. Baghel, S. Grover, G. Arora, G. K. Grewal, S. Parween, A. Srivastava, M. Singh, S. Vig, S. Kushwaha, S. Sharma, K. Bala, S. Kukreti and R. Kukreti	The Pharmacogenomics Journal	1470-269X
68	Peptide Biomarkers: Exploring the Diagnostic Aspect	S. Mahendru, K. Roy, S. Kukreti	Current Protein & Peptide Science	1875-5550

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69	New Cancer Therapeutics: Noscapine and Analogs.	V. Tomar, R. Chandra, S. Prakash, J. Madan, and S. Kukreti	Current topics in medicinal chemistry	1873-4294
70	Luminescence, circular dichroism and in silico studies of binding interaction of synthesized naphthylchalcone derivatives with bovine serum albumin	S. Pasricha, D. Sharma, H. Ojha, P. Gahlot, M. Pathak, M. Basu, R. Chawla, S. Singhal, A. Singh, R. Goel, S. Kukreti, S. Shukla	Luminescence	1522-7243
71	Structure-Specific Ligand Recognition of Multistranded DNA Structures	M. Kaushik, A. Singh, M. Kumar, S. Chaudhary, S. Ahmed, and S. Kukreti	Current topics in medicinal chemistry	1873-4294 )
72	MicroRNA: A Multi-Facet Biological Target for Cancer and other Diseases	M. Kaushik, S. Chaudhary, S. Mahendru, S. Ahmed, A. K. Pathak and S. Kukreti	Clinical Cancer Drugs	2212-6988
73	Experimental corroboration of general phenomenological theory for dynamics of EDL in viscous medium on rough heterogeneous electrode,	R. Kumar and R. Kant	Electrochimica Acta	0013-4686
74	Theory for the Chronopotentiometry on Rough and Finite Fractal Electrode: Generalized Sand Equation,	N. R. Chowdhury, R. Kumar, R. Kant	J. Electroanal. Chem.	1572-6657
75	Theory of Work Function and Potential of Zero Charge for Metal Nanostructured and Rough Electrodes	J. Kaur and R. Kant	J. Phys. Chem. C	1932-7447
76	Chiral analysis of ascorbic acid in bovine serum using ultrathin molecular imprinted polyaniline/graphite electrode	Komal Saksena, A. Shrivastava and R. Kant	J. Electroanal. Chem.,	1572-6657
77	Theory for Electrochemical Impedance Spectroscopy of Heterogeneous Electrode with Distributed Capacitance and Charge Transfer Resistance	S. Dhillon and R. Kant	J. Chem. Sci.	0974-3626
78	Dynamics of Branched Polymers in Random Layered Flows with Intramolecular Hydrodynamic Coupling: Star and Dendrimer	D. Katyal and R. Kant	Macromolecular Theory and Simulations	1022-1344

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79	Theory of the Electrochemical Impedance of Mesostructured Electrodes Embedded with Heterogeneous Micropores.	R. Kant and M. B. Singh	J. Phys. Chem. C	1932-7447
80	Experimental Corroboration of the Theory of Chronoamperometry at High Roughness Electrode for Reversible Charge Transfer	N. Sharma, N. Goswami, R. Kant	J. Electroanal. Chem.	1572-6657
81	Hierarchically porous sphere-like copper oxide (HS-CuO) nanocatalyzed synthesis of benzofuran isomers with anomalous selectivity and their ideal green chemistry metrics	G. Purohit, U. Chinna Rajesh, Diwan S. Rawat	ACS Sustainable Chem. Eng	2168 0485
82	Synthesis, antiamebic activity and docking studies of metronidazole-triazole-styryl hybrids	B. Negi, P. Poonan, M. F. Ansari, D. Kumar, S. Aggarwal, R. Singh, A. Azam, Diwan S Rawat	Eur. J. Med. Chem	0223 5234
83	Aminoquinoline-pyrimidine-modified anilines: Synthesis, <i>in vitro</i> antiplasmodial activity, cytotoxicity, mechanistic studies and ADME predictions	Mohit Tripathi, Shabana I. Khan, Prija Ponnann, Rohit Kholiya, Diwan S. Rawat	ChemSelect	2365 6549
84	Decarboxylative coupling strategy to afford N-heterocycles driven by silica nanosphere embedded copper oxide (Cu@SiO <sub>2</sub> -NS).	U. Gulati, U. Chinna Rajesh, N. Bunekar, Diwan S. Rawat	ACS Sustainable Chem. Eng	2168 0485
85	Chemoselective hydrazine-mediated transfer hydrogenation of nitroarenes by Co <sub>3</sub> O <sub>4</sub> nanoparticles immobilized on a Al/Si-mixed oxide support	P. Linga Reddy, Mohit Tripathi, R. Arundhathi, Diwan S. Rawat	Chemistry - An Asian Journal	1861 4728
86	CuO@Fe <sub>2</sub> O <sub>3</sub> catalyzed C1-alkynylation of tetrahydroisoquinolines (THIQs) <i>via</i> A3 coupling and its decarboxylative strategies	U. Gulati, S. Rawat, U. Chinna Rajesh, Diwan S. Rawat	New J. Chem	1144 0546
87	Lewis acid mediated tetrahydrofuran synthesis <i>via</i> [3+2] cycloaddition reaction of 2-arylcyclopropyl ketones with aldehydes	Archana Gupta, Rohit Kholiya, Diwan S. Rawat	Asian J. Org. Chem	2193 5807

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88	Solvent free oxidative synthesis of 2-substituted benzimidazoles by immobilized cobalt oxide nanoparticles on alumina/silica support	P. Linga Reddy, R. Arundhathi, Mohit Tripathi, Prashant Chauhan, Ning Yan, Diwan S. Rawat	ChemSelect	2365 6549
89	Design, synthesis and evaluation of 4-aminoquinoline-purine hybrids as potential antiplasmodial agents	P. Linga Reddy, Shabana I. Khan, Prija Ponnann, Mohit Tripathi, Diwan S. Rawat	Eur. J. Med. Chem	0223 5234
90	Marine peptides as anticancer agents: A remedy to mankind by nature	Beena Negi, Deepak Kumar, Diwan S. Rawat	Curr. Protein Pept. Sci	1389 2037
91	N-Piperonyl substitution on aminoquinoline-pyrimidine hybrids: Effect on the antiplasmodial potency	Rohit Kholiya, Shabana I. Khan, Aparna Bahuguna, Mohit Tripathi, Diwan S. Rawat	Eur. J. Med. Chem	0223 5234
92	Synthesis, antimalarial activity, heme binding and docking studies of <i>N</i> -substituted 4-aminoquinoline-pyrimidine molecular hybrids	Shiv Shyam Maurya, Shabana I. Khan, Deepak Kumar, Aparna Bahuguna, Diwan S. Rawat	Eur. J. Med. Chem	0223 5234
93	Aggregation behaviour of non-ionic twinned amphiphiles and their application as biomedical nanocarriers.	AK Singh, BNS Thota, B Schade, K Achazi, A Khan, C Böttcher, SK Sharma, R Haag.	Chem. Asian J.	1861-471X
94	Antimicrobial efficacy of synthetic pyranochromenones and (coumarinyloxy)acetamides.	AK Singh, S Prasad, B Kumar, S Kumar, A Anand, SS Kamble, SK Sharma, HK Gautam.	Indian J. Microbiol.	0973-7715
95	Synthesis and antibacterial activity screening of N- & O-substituted quinolin-2-one acetamide derivatives.	Karam Chand, Preeti Yadav, Suchita Prasad and Sunil K. Sharma	Indian J. Chem.	0975-0983
96	Lipase-mediated synthesis of sugar-PEG-based amphiphiles for encapsulation and stabilization of indocyanine green.	V Khatri, S Bhatia, K Achazi, S Deep, E Kohli, SK Sharma, R Haag, AK Prasad.	RSC Adv.	2046-2069

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97	Acetamide Derivatives of Chromen-2-ones as Potent Cholinesterase Inhibitors	S Prasad, B Kumar, S Kumar, K Chand, SS Kamble, HK Gautam, SK Sharma.	Archiv der Pharmazie	1521-4184
98	Synthesis and Characterization of Novel Benzoxazine based Arylidinyl Succinimide Derivatives	AK Sharma, S Prasad, SK Sharma	Synth. Commun.	0039-7911
99	Fabrication of Nanostructures Through Self-assembly of Non-ionic Amphiphiles for Biomedical Applications.	S Prasad, K Achazi, C Böttcher, R Haag, SK Sharma.	RSC Adv.	2046-2069
100	A Simple and Efficient Process for Large Scale Glycerol Oligomerization by Microwave Irradiation.	R Nguyen, N Galy, A K Singh, F Paulus, D Stöbener, C Schlesener, SK Sharma, R Haag, C Len.	Catalysts	2073-4344
101	Chemo-enzymatic Synthesis of Dendronized Polymers for Cyanine dye Encapsulation.	S Kumar, K Achazi, K Licha, P Manchanda, R Haag, SK Sharma.	Adv. Polymer Tech.	1099-1581
102	Design, Synthesis and Evaluation of Kinase Inhibition Potential of Pyridylpyrimidinylaminophenyl Derivatives	P Manchanda, B Parshad, A Kumar, RK Tiwari, A Nasrolahi Shirazi, K Parang, SK Sharma	Archiv der Pharmazie	1521-4184
103	Synthesis and Antibacterial Activity Screening of Quaternary Ammonium Derivatives of Triazolyl pyranochromenones	P Yadav, B Kumar, HK Gautam, SK Sharma	J. Chem. Sci.	0974-3626
104	Synthesis and in vitro antiplasmodial efficacy of coumarin-triazole analogs	N. Yadav , D. Agarwal , A. K. Dixit , R.D. Gupta , S.K. Awasthi	Eur J Med Chem	0223-5234
105	Insights into Peptide Nucleic Acid (PNA) based Antibacterial Strategy	D. Agarwal, L. Good , S. K. Awasthi	Int J Antimicrob Agents	0924-8579
106	An Efficient Ecofriendly Enantioselective Organocatalytic Ring-Closing Reaction of 2-Hydroxychalcone via Intramolecular	A. K. Singh, S. Mangawa, A. Kumar, A. K. Dixit, S. K. Awasthi	ChemistrySelect	2365-6549

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107	Are antimalarial hybrid molecules a close reality or a distant dream?	D. Agarwal, R.D. Gupta, S.K. Awasthi	Antimicrob Agents Chemother	1098-6596
108	Selective Fluorescent Turn-off Sensing of Pd <sup>2+</sup> Ion: Applications as Paper Strips, Polystyrene Films, and in Cell Imaging	P. Kumar, V. Kumar, Rajeev Gupta	RSC Advances	1865-7109
109	Cobalt Complexes of Pyrrolicarboxamide Ligands as Catalysts in Nitro Reduction Reactions: Influence of Electronic Substituents on Catalysis and Mechanistic Insights	S. Yadav, S. Kumar, Rajeev Gupta	Inorganic Chemistry Frontiers	2052-1553
110	Fluorescent Detection of Multiple Ions by Two Related Chemosensors: Structural Elucidations and Logic Gate Applications	V. Kumar, P. Kumar, Rajeev Gupta	RSC Advances	1865-7109
111	Hydroxide-bridged Dicopper Complexes: The Influence of Secondary Coordination Sphere on Structure and Catecholase Activity	D. Bansal, Rajeev Gupta	Dalton Transactions	1477-9226
112	Lanthanide-Based Coordination Polymers for the Size-Selective Detection of Nitroaromatics	S. Srivastava, B. K. Gupta, Rajeev Gupta	Crystal Growth & Design	1528-7483
113	Detection of the anticoagulant drug warfarin by palladium complexes	P. Kumar, V. Kumar, Rajeev Gupta	Dalton Transactions	1477-9226
114	Syntheses, characterisation, and catalytic role of ( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )Rh(III) guanidinato complexes in transfer hydrogenation (TH) and TH-etherification	Kumar, Robin, Thirupathi, Natesan	RSC Advances	2046-2069
115	Nitrolotriactic acid assisted one step synthesis of highly stable silver nanoparticles in aqueous medium: Investigation of catalytic activity	Javaid Shabir, Charu Garkoti, Swati Rani and Subho Mozumdar	Materials Letters	0167-577X
116	Imidazolium Based Ionic Liquid Supported on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticle as an Efficient Heterogeneous Catalyst for N-formylation of Amines	Charu Garkoti, Javaid Shabir, Swati Rani and Subho Mozumdar	Catalysis Letters	1011-372X
117	Tackling drug-resistant tuberculosis: Current trends and approaches	Rashmi Tandon and Mahendra Nath	Mini-Reviews in Medicinal Chemistry	1875-5607

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118	Topology driven structural transition of dendrimers with a dimensional cross-over	G. J. Rai and P. Biswas	Polymer	0032-3861
119	Role of local and nonlocal interactions in folding and misfolding of globular proteins	A. Kumar, A. Baruah and P. Biswas	J. Chem. Phys.	0021-9606
120	Ammonium fluoride mediated mechano chemical synthesis of $A_2PdF_6$ (A = K, Rb) along with their catalytic role in environmental remediation.	Pooja Rawat, Rajamani Nagarajan	J. Environ Chem Engg	2213-3437
121	Emergence of defect fluorite structure in nano-sized thoria through doping with some divalent transition metal ions	Manish Kumar, Vikash Kumar Tripathi and Rajamani Nagarajan	J. Am. Ceram. Soc	1551-2916
122	Correlating the influence of two magnetic ions at the A-site with the electronic, magnetic and catalytic properties in $Gd_{1-x}Dy_xCrO_3$	Vikash Kumar Tripathi and Rajamani Nagarajan	ACS Omega	2470-1343
123	Wet-chemical synthesis, structural characterization and optical properties of rare-earth doped halo perovskite $K_3GaF_6$	Pooja Rawat, Sanjay Kumar Saroj, Mohini Gupta, G. Vijaya Prakash and Rajamani Nagarajan	J. Fluorine Chemistry	0022-1139
124	Highly Ordered polyaniline as an efficient dye remover,	Pinki Chakraborty, Aman Kothari and Rajamani Nagarajan	Adsorption Science & Technology	0263-6174
125	Facile synthesis and characterization of acetate intercalated Co-La layered double hydroxide	Meenakshi Pokhriyal, Sitharaman Uma and Rajamani Nagarajan	Journal of Rare earths	1002-0721
126	Facile synthesis and characterization of acetate intercalated Co-La layered double hydroxide	Pokhriyal M., Uma S., Nagarajan R	Journal of rare earths	1002-0721
127	Synthesis, characterization of new $Bi^{3+}$ -containing apatites: Formation of red emitting phosphors by $Eu^{3+}$ -incorporation	Pokhriyal, M., Gupta, A., Uma, S	J. Solid State Chem.	0022-4596
128	Luminescence properties of $Tb^{3+}$ and $Eu^{3+}$ doped beyerite $CaBi_2O_2(CO_3)_2$	Pokhriyal, M., Uma, S	Mat. Res. Bull.	0025-5408

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129	Dominant {100} facet selectivity for enhanced photocatalytic activity of NaNbO <sub>3</sub> in NaNbO <sub>3</sub> /CdS core/shell heterostructures	Sandeep Kumar, ad R. Parthasarathy, a Aadesh P. Singh, bc Björn Wickman, c Meganathan Thirumald and Ashok K. Ganguli	Catalysis Science & Technology	2044-4753
130	Pd-Catalyzed One-Pot Sequential Cross-Coupling Reactions of Tetrabromothiophene	Kapil Mohan Saini, ‡ Rakesh K. Saunthwal ‡ and Akhilesh K. Verma	Org. Biomol. Chem	1477-0520
131	Chemoselective Oxidative Esterification and Iodocyclization of Hydroxyalkynyl Aldehydes,	Shiv Kumar, Monika Patel, Rakesh K. Saunthwal and Akhilesh K. Verma,	Asian J. Org. Chem.	2193-5815
132	Chemo-, Regio- and Stereoselective N-alkenylation of Pyrazoles/Benzopyrazoles using Activated and Unactivated Alkynes,	Vineeta Garg, Pradeep Kumar, and Akhilesh K. Verma	J. Org. Chem	0022-3263
133	Ag(I)-Catalyzed Cycloisomerization Reactions: Synthesis of Substituted Phenanthrenes and Naphthothiophenes	Rakesh K. Saunthwal, Abhinandan K. Danodia, Kapil Mohan Saini and Akhilesh K. Verma*	Org. Biomol. Chem	1477-0520
134	"Chemoselective Azidation of o-Alkynylaldehydes over [3+2] Cycloaddition and Subsequent Staudinger Reaction: An Access to Benzonaphthyridines/Naphthyridines"	Pradeep Kumar, Trapti Aggarwal, and Akhilesh K. Verma,	J. Org. Chem.,	0022-3263
135	"TFA-Mediated One-Pot Synthesis of Furo-Fused Quinoxalines/ Pyrazines"	Kapil Mohan Saini, Sonu Kumar, Monika Patel, Rakesh K. Saunthwal and Akhilesh Kumar Verma,	Eur. J. Org. Chem.	1099-0690
136	Regioselective 6-endo-dig Iodocyclization: An accessible approach for Iodo-benzo[a]phenazines,	Sonu Kumar, Mohammad Mujahid and Akhilesh K. Verma*	Org. Biomol. Chem.	1477-0520

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137	“Regioselective Preferential C-H Activation of Sterically Hindered 1,3-Dienes over [4+2] cycloaddition”	Rakesh K. Saunthwal, Kapil Mohan Saini, Monika Patel and Akhilesh K. Verma,	Tetrahedron	0040-4039
138	“Base-Mediated Hydroamination of Alkynes”	Monika Patel, Rakesh K. Saunthwal, and Akhilesh K. Verma,*,	Acc. Chem. Res	1520-4898
139	Small non-planar phenothiazine-5-oxide-based molecules: Structural characterization, photophysical, thermal and computational studies	Bishnoi, S.; Milton, M. D.; Paul, T. K.; Pal, A. K.; Taraphder, S.	ChemistrySelect	2365-6549
140	A Base- and Metal-free Protocol for the Synthesis of 2-Aryl/heteroaryl Thiazolines	Chaudhary, S.; Milton; M. D.; Garg, P.	ChemistrySelect	2365-6549
141	Selective and sensitive novel benzimidazolium-based fluorescent probes for micromolar detection of Fe <sup>3+</sup> ions in pure aqueous media	Bishnoi, S.; Milton, M. D.	J.Photochem. Photobiol. A	1010-6030
142	Magnetic nanoscale metal–organic frameworks for magnetically aided drug delivery and photodynamic therapy	Sharma S, Sethi K, Roy I	New Journal of Chemistry	1144-0546
143	PEG coated and doxorubicin loaded multimodal Gadolinium oxide nanoparticles for simultaneous drug delivery and imaging application	Shailja Kumar, Virender Kumar Meena, Puja Panwar Hazari, Rakesh Kumar Sharma	International Journal of Pharmaceutics	0378-5173.
144	Turning Hazardous Diesel Soot into High Performance Carbon/MnO <sub>2</sub> Supercapacitive Energy Storage Material	Vikrant Sahu, Monu Mishra, Govind Gupta, Gurmeet Singh and Raj Kishore Sharma	ACS sustainable chemical and Engineering	2168-0485
145	Graphene Nanoribbons @ Vanadium Oxide Nanostrips for Supercapacitive Energy Storage	Vikrant Sahu, Shbhra Goel, Anuj Kumar Tomar, and Raj Kishore Sharma	Electrochimica Acta	0013-4686

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146	Characterization of Ganoderma lucidum: Phytochemical and Proteomic Approach	Rakhee , Niroj Kumar Sethy , Anuja Bhardwaj , Vijay Kumar Singh , Raj Kishore Sharma , Renu Deswal , Kalpana Bhargava , Kshipra Misra	Journal of Proteins and Proteomics	0975-8151
147	Thermal effects for the doped graphene quantum dots: Cyclic voltammetry	Poonam R. Kharangarh, Akshay Kumar, Raj K. Sharma, Gurmeet Singh	Advanced Materials Proceedings	2002-441X
148	High Performance Pseudocapacitor Electrode Materials: CO(II)Cl <sub>2</sub> Doped Graphene Quantum Dots	Poonam R. Kharangarh, Siva Umopathy, Gurmeet Singh, Raj K. Sharma, Akshay Kumar	Emerging Materials Research	2046-0147
149	Efficient, Sustainable and Clean Energy Storage in Supercapacitors using Biomass-derived Carbon Materials	R. K. Sharma, R.B. Marichi, V. Sahu, G. Singh	Handbook of Ecomaterials	978-3-319-48281-1
150	Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons	V. Sahu, V. K. Maurya, R.K. Sharma, S. Patnaik, G. Singh	Materials and Design	0264-1275

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151	Multifunctional, Self-Activating Oxygen-Rich Holey Carbon Monolith Derived from Agarose Biopolymer	V. Sahu, R. B. Marichi, G. Singh, R.K. Sharma	ACS sustainable chemical and Engineering	2168-0485
152	Hierarchical Polyaniline Spikes over Vegetable Oil derived Carbon Aerogel for Solid-State Symmetric/Asymmetric Supercapacitor	Vikrant Sahu , Ram Bhagat Marichi , Gurmeet Singh, Raj Kishore Sharma	Electrochimica Acta	0013-4686
153	In situ immobilized, magnetite nanoplatelets over holey graphene nanoribbons for high performance solid state supercapacitor	Shubra Lalwani, Vikrant Sahu, Ram Bhagat Marichi, Gurmeet Singh, Raj Kishore Sharma.	Electrochimica Acta	0013-4686
154	Bis- triazolylated-1,4- dihydropyridine-highly selective hydrophilic fluorescent probe for detection of Fe <sup>3+</sup>	Rakesh Kumar, Parveen Gahlyan, Neha Yadav, Mamta Bhandari, Manu Dalela, Ashok K Prasad	Dyes and Pigments	0143-7208
155	Synthesis, pharmacological evaluation and molecular docking of pyranopyrazole linked 1,4-dihydropyridines as potent positive inotropes	Rakesh Kumar, Neha Yadav, Rodolfo Lavilla , Daniel Blasi, Jordi Quintana , José Manuel Brea María Isabel Loza ,JordiMestre,Mamta Bhandari, RituArora, Rita Kakkar and Ashok K. Prasad	Molecular Diversity	1381-1991
156	Surfactant-free one-pot synthesis of low density Cerium Oxide nanoparticles for adsorptive removal of Arsenic species	Prashant Kumar Mishra, Amit Saxena, Ashok Singh Rawat, Pradeep Kumar Dixit, Rakesh Kumar and Pramod Kumar Rai	Environment Progress & Sustainable Energy	1944-7442

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157	A Highly Efficient, Reusable Heterogeneous Catalyst for the Synthesis of Biologically Important Bis (indolyl) methanes Under Solvent Free Conditions	S. Kirti, N.Mogha, Dhanraj T. Masram	J. of Nanoscience and Nanotechnology	1533-4880
158	Gold nanoworms immobilized graphene oxide polymer brush nanohybrid for catalytic degradation studies of organic dyes	N. Mogha,S. Gosain, Dhanraj T. Masram	Applied Surface Science, Elsevier	0169-4332
159	Perfect symmetrical cyclic aromatic trimer motif in tripodal molecule	D. S.Shankar, K. K. Chakka, B. Shankar , M.Sathiyendiran, Dhanraj T. Masram	RSC Advances	2046-2069
160	The effect of ethanol on structural, morphological and optical properties of Li(I) 8-hydroxy quinoline phosphor	D. Painuly,Dhanraj T. Masram, M. E. Rabanal,I.M. Nagpure	Journal of Luminescence	0022-2313
161	Lanthanum oxide nanoparticles immobilized reduced graphene oxide polymer brush nanohybrid for environmental vitiation of organic dyes	N. Mogha,S. Gosain, Dhanraj T. Masram	Arabian Journal of Chemistry	1878-5352
162	In Vitro Antimalarial Evaluation of Piperidine- and Piperazine-Based Chalcones: Inhibition of Falcipain-2 and Plasmepsin II Hemoglobinases Activities from Plasmodium falciparum	Hemandra Kumar Tiwari, Prashant Kumar, Nidhi Jatana, Sandeep Garg, N. Latha, Purn Singh Sijwali, Kailash C. Pandey, Nickolay Yu. Gorobets, Ben M. Dunn and Brajendra Kumar Singh	Chemistry select	2365-6549
163	Synergistic blending of high-valued heterocycles inhibits growth of Plasmodium falciparum in culture and P. berghei infection in mouse model	Prashant Kumar, Angela O. Achieng, Vinoth Rajendran, Prahlad C. Ghosh, Brajendra K. Singh, Manmeet Rawat, Douglas J. Perkins, Prakasha Kempaiah, Brijesh Rathi	Scientific reports	2045-2322

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164	Chemoenzymatic synthesis, nanotization and anti-Aspergillus activity of optically enriched fluconazole analogues	Shashwat Malhotra, Seema Singh, Neha Rana, Shilpi Tomar, Priyanka Bhatnagar, Mohit Gupta, Suraj K. Singh, Brajendra K. Singh, Anil K. Chhillar, Ashok K. Prasad, Christophe Len, Pradeep Kumar, Kailash C. Gupta, Anjani J. Varma, Ramesh C. Kuhad, Gainda L. Sharma, Virinder S. Parmara and Nigel G. J. Richardsh	Antimicrobial agents and chemotherapy	1098-6596
165	An Overview of Currently Available Antimalarials	Nikolay Yu. Gorobets, Yuriy V. Sedash, Brajendra K. Singh, Poonam, Brijesh Rathi	Current Topics in Medicinal Chemistry	1873-4294
166	Synthesis, characterisation and photophysical studies of oxadiazolyl coumarin: A new class of blue light emitting fluorescent dyes	Akanksha Matta, Vijay Bahadur, Toshiaki Taniike, Johan Van der Eycken, Brajendra K. Singh	Dyes and Pigments	0143-7208
167	A Facile, Catalyst-Free, Microwave-Assisted Access towards the Synthesis of 2-Aryl/Alkyl-3-(1H-benzo[d]imidazol-2-yl)-2,3-dihydroquinazolin-4(1H)-ones	Prashant Kumar, Akanksha Matta, Snigdha Singh, Johan Van der Eycken, Christophe Len, Virinder S. Parmar, Erik V. Van der Eycken, Brajendra K. Singh	Synth. Commun	1532-2432

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168	Block copolymer based nanoparticles for theranostic intervention of Cervical Cancer: Synthesis, pharmacokinetics and in-vitro/ in-vivo evaluation in HeLa xenograft models.	S. Dumoga; Y., Rai; A. N. Bhatt; A. K. Tiwari, S. Singh, A. K. Mishra*, D. Kakkar*	ACS Appl. Mater. Interfaces	1944-8252
169	1,4-Diazabicyclo[2.2.2]octane trifluoroacetate: A highly efficient organocatalyst for the cyanosilylation of carbonyl compounds under solvent free condition.	Geeta Devi Yadav, Deepa and Surendra Singh*	ChemistrySelect	2365-6549
170	Exact spectra of strong coulomb correlations of 3-D 2-e harmonic dots in magnetic field	Priyanka Aggarwal, Shivalika Sharma, Harsimran Kaur, Sunny Singh, and Ram Kuntal Hazra	Physica E: Low-dimensional systems and Nanostructures	1386-9477
171	Exact e-e (exchange) correlations of 2-D quantum dots in magnetic field: Size extensive N=3,4,...,'n'-electron systems via multi-pole expansion	Priyanka Aggarwal, Shivalika Sharma, Sunny Singh, Harsimran Kaur, and Ram Kuntal Hazra	Physica E: Low-dimensional systems and Nanostructures	1386-9477
172	Multi-excitonic (N=1,2 and 3) quantum dots in magnetic field: Analytical mapping of correlations (exchange) by multipole expansion	Sunny Singh, Harsimran Kaur, Shivalika Sharma, Priyanka Aggarwal and Ram Kuntal Hazra	Physica E: Low-dimensional systems and Nanostructures	1386-9477
173	Strongly Correlated Excitons of Regular/Irregular Planar Quantum Dots in Magnetic Field: Size-Extensive Bi- and Triexciton (e-h-e-h and e-e-h/e-h-h) Systems by Multipole Expansion	Harsimran Kaur, Sunny Singh, Priyanka Aggarwal, Shivalika Sharma, Sambhav Yadav and Ram Kuntal Hazra	ACS Omega	1386-9477
174	Copper Cobalt Sulphide Nanosheets Realizing Promising Electrocatalytic Oxygen Evolution Reaction	M. Chauhan, K. P. Reddy, C. S. Gopinath, Sasanka Deka	ACS Catal.	2155-5435
175	Development of SnS <sub>2</sub> /RGO nanosheets composite for cost-effective aqueous hybrid supercapacitors	H. Chauhan, M.K. Singh, P. Kumar, S. A. Hashmi and Sasanka Deka	Nanotechnology	0957-4484
176	Promising carbon nanosheet-based supercapacitor electrode materials from low-grade coals	T. Das, H. Chauhan, Sasanka Deka, S. Chaudhary, R. Boruah, B. K. Saikia	Microporous and Mesoporous Materials	1387-1811

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177	Novel mitochondria targeted copper(II) complexes of ferrocenyl terpyridine and anticancer active 8-hydroxyquinolines showing remarkable Q1 cytotoxicity, DNA and protein binding affinity	B. Deka, T. Sarkar, S. Banerjee, A. Kumar, S. Mukherjee, Sasanka Deka, K. K. Saikia and A. Hussain	Dalton Trans	1477-9226
178	Growth, Crystal Structure, Hirshfeld Surface, Optical, Piezoelectric, Dielectric and Mechanical Properties of Bis(L-Asparaginium Hydrogensquarate) Single Crystal	Harsh Yadav, Nidhi Sinha, Sahil Goel, Budhendra Singh, Igor Bdikin, Anupama Saini, Kovuru Gopalaiah, Binay Kumar	Acta Crystallographica	2052-5206
179	An Insight into the Synthesis, Crystal Structure, Geometrical Modelling of Crystal Morphology, Hirshfeld Surface Analysis and Characterization of N-(4-Methylbenzyl)benzamide Single Crystals	Sahil Goel, Harsh Yadav, Nidhi Sinha, Budhendra Singh, Igor Bdikin, Devarapalli Chenna Rao, Kovuru Gopalaiah, Binay Kumar	Journal of Applied Crystallography	1600-5767
180	Copper-Catalyzed Aerobic Oxidative Coupling of o-Phenylenediamines with 2- Aryl/Heteroarylethylamines: Direct Access to Construct Quinoxalines	Kovuru Gopalaiah, A. Saini, S. N. Chandrudu, D. Chenna Rao, H. Yadav, B. Kumar	Organic and Biomolecular Chemistry	1477-0539
181	Iron-catalyzed cascade reaction of 2-aminobenzyl alcohols with benzylamines: synthesis of quinazolines by trapping of ammonia	Kovuru Gopalaiah, Anupama Saini and Alka Devi	Organic and Biomolecular Chemistry	1477-0539
182	Synthesis and Electrocatalysis of Diiron Monothiolate Complexes: Small Molecule Mimics of the [FeFe] Hydrogenase Enzyme	M. Natarajan, I. K. Pandey and Sandeep Kaur-Ghumaan*	ChemistrySelect	2365-6549
183	A mononuclear iron carbonyl complex [Fe ( $\mu$ -bdt)(CO) 2 (PTA) 2] with bulky phosphine ligands: a model for the [FeFe] hydrogenase enzyme active site with an inverted redox potential	M. Natarajan, H. Faujdar, S. M. Mobin, M. Stein, Sandeep Kaur-Ghumaan*	Dalton Trans.	1477-9226
184	Study of polyaniline and functionalized ZnO composite film linked through a binding agent for efficient and stable electrochromic applications	Monika Jamdegni, Sandeep Kaur-Ghumaan, Amarjeet Kaur	Electrochimica Acta	0013-4686

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185	Carbon-sulphur cross coupling reactions catalyzed by nickel-based coordination polymers based on metalloligands	Kumar, G., Hussain, F. & Gupta, R.	Dalton Transactions	1477-9226
186	Two New Sandwich-Type Manganese {Mn <sup>5</sup> }-Substituted Polyoxotungstates: Syntheses, Crystal Structures, Electrochemistry, and Magnetic Properties	Gupta, R., Khan, I., Hussain, F., Bossoh, A. M., Mbomekallé, I. M., Oliveira, P., Sadakane, M., Kato, C., Ichihashi, K., Inoue, K., & Nishihara, S.	Inorganic Chemistry	0020-1669
187	A Base-Mediated 6-exo-trig versus 6-exo-dig Carbocyclization Strategy for the Synthesis of Functionalized Biaryl Compounds	Yadav, P.; Shaw, R.; Panwar, R.; Sahu, S. N.; Kumar, A.; Pratap, R.	Asian J. Org. Chem.	2193-5815
188	2H-Pyran-2-ones and their annelated analogs as multifaceted building blocks for the fabrication of diverse heterocycles	Pratap, R.; Ram, V. J.	Tetrahedron	0040-4020
189	Synthesis of Partially Reduced Imidazo[1,2-a]pyridines through an Unprecedented Base-Mediated (4+2) Cyclization	Panwar, R.; Singh, S.; Shally, Yadav, P.; Shaw, R.; Pratap, R	Synlett	0936-5214
190	New arylated benzo[h]quinolines induce anti-cancer activity by oxidative stress-mediated DNA damage	Yadav, D. K.; Rai, R.; Kumar, N.; Singh, S.; Misra, S.; Sharma, P.; Shaw, P.; Pérez-Sánchez, H.; Mancera, R. L.; Choi, E. H.; Kim, M.H.; Pratap, R.	Scientific Report	2045-2322
191	Design and development of a biocompatible montmorillonite PLGA nanocomposites to evaluate in vitro oral delivery of insulin	Lal, S., Perwez, A., Rizvi, M.A., Datta, M.	Applied Clay Science	0169-1317
192	Zero valent metal loaded silica nanoparticles for the removal of TNT from water	Mangal, H., Saxena, A., Shukla, N., (...), Gupta, V., Datta, M.	Water Science and Technology	1996-9732
193	Akt1/NFκB signaling pathway activation by a small molecule DMA confers radioprotection to intestinal epithelium in xenograft model.	Tiwari, V.; Kamran, M. Z.; Ranjan, A.; Nimesh, H.; Singh, M.; Tandon, V.*.	Free Radic Biol Med.	0891-5849

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194	Synergistic efficacy of bisbenzimidazole and carbonyl cyanide-3 chloro-phenyl hydrazone combination against MDR bacterial strains	Sinha, D.; Pandey, S.; Singh, R.; Tiwari, V.; Sadh, K.; Tandon, V.*	Scientific Reports, Nature	2045-2322
195	Naphthalenediimide-linked bisbenzimidazole derivatives as telomeric G-quadruplex-stabilizing ligands with improved anticancer activity	Sur, S.; Tiwari, V.; Sinha, D.; Kamran, M.Z.; Dubey, K.D.; Kumar, G.S.; Tandon, V.	ACS Omega	2470-1343
196	Topoisomerases: Resistance versus sensitivity, how far we can go?	Bansal, S.; Bajaj, P.; Pandey, S.; Tandon, V.*	Med. Res. Rev.	1098-1128
197	Novel pyrazolo[3,4-d]pyrimidine with 4-(1H-benzimidazol-2-yl)-phenylamine as broad spectrum anticancer agents: Synthesis, cell based assay, topoisomerase inhibition, DNA intercalation and bovine serum albumin studies.	Singla, P.; Luxami, V.; Singh, R.; Tandon, V.; Paul, K.	Eur. J. Med. Chem	0009-4374
198	Preparation of an MCM-22/Hydrotalcite Framework Composite and Its Catalytic Application	Baskaran, T, Christopher, J. Mariyaselvakumar, M. and Sakthivel, A.*	Eur. J. Inorg. Chem	1099-0682
199	Preparation of cyclic carbonate via cycloaddition of CO <sub>2</sub> on epoxide using amine-functionalized SAPO-34 as catalyst	Ahmed, M. and Sakthivel, A.*	J. CO <sub>2</sub> Utilization	2212-9820
200	Cerium ion-exchanged layered MCM-22: preparation, characterization and its application for esterification of fatty acids	Sahu, P, Sarith N, Ahmed, M, Sharma, D, and Sakthivel, A.	J. Porous Materials	1380-2224
201	Solventless C-C Coupling of Low Carbon Furans to High Carbon Fuel Precursors Using an Improved Graphene Oxide Carbocatalyst	Dutta, S. Bohre, A. Zheng, W. Jenness, G.R, Núñez, M, Saha, B. Vlachos, D.G.	ACS Catalysis	2155-5435
202	Carbon nanosphere supported Ru catalyst for the synthesis of renewable herbicide and chemicals	Gupta, D, Saha, B.	Catalysis Communications	1566-7367
203	Direct conversion of syngas to DME: synthesis of new Cu-based hybrid catalysts using Fehling's solution, elimination of the calcination step	Asthana S., Samanta C., Voolapalli, R.K., Saha, B.	Journal of Materials Chemistry A	2050-7488

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204	Titania nanoparticles embedded in functionalized carbon for the aqueous phase oxidation of 5-hydroxymethylfurfural	Gupta, Pant, K.K. Saha, B.	Molecular Catalysis	2468-8231
205	Efficient utilization of potash alum as a green catalyst for production of furfural, 5-hydroxymethylfurfural and levulinic acid from mono-sugars	Gupta, D. Ahmad, Pant, K.K Saha, B	RSC Advances	2046-2069
206	“Regioselective 6-endo-dig Iodocyclization: An accessible approach for Iodo-benzo[a]phenazines”	Sonu Kumar, Mohammad Mujahid and Akhilesh K. Verma *	Org.Biomol.Chem.	1477-0520
207	“Trifluoroacetic Acid Mediated One-Pot Synthesis of Furo-FusedQuinoxalines/Pyrazines”	Kapil Mohan Saini, Sonu Kumar, Monika Patel, Rakesh K. Saunthwal and Akhilesh K. Verma*	Eur. J. Org. Chem	1434-193X
208	Synthesis and Application of a Novel Indenoquinoline Dione Conjugate as A Dual Fluorescent and Colorimetric pH Sensor	Komal Aggarwal and J. M. Khurana	Journal of Luminescence	0022-2313
209	An Ampyrone based azo dye as pH-responsive and chemo-reversible colorimetric fluorescent probe for Al <sup>3+</sup> in semi-aqueous medium: Implication towards logic gate analysis	Gaurav Bartwal, Komal Aggarwal and J. M. Khurana	New Journal of Chemistry	1144-0546
210	Antimicrobial activities of quinazolinone and their Derivatives: a review	Mahesh Chand, Archana Gupta and Subhash C. Jain	Heterocyclic Letters	2230 – 9632
211	Biological profile of coumarins (7-hydroxy-4-methyl-2H-benzopyran-2-ones)	Mahesh Chand, Archana Gupta and Subhash C. Jain	Heterocyclic Letters	2230 – 9632
212	Synthesis and antimicrobial evaluation of novel 4-methyl-7-((5-aryl-4H-1,2,4-triazol-3-yl)methoxy)-2H-benzopyran-2-ones	Mahesh Chand, Reena Kaushik, Mohd. Rashid and Subhash C. Jain	Helvetica Chimica Acta	1522-2675
213	Synthesis and antimicrobial evaluation of nitrogen containing novel heterocyclic Chalcones	Reena Kaushik, Mahesh Chand and Subhash C Jain	Monatshefte für Chemie	1434-4475
214	Synthetic, spectral and structural studies of a Schiff base and its anticorrosive activity on mild steel in H <sub>2</sub> SO <sub>4</sub>	Akshay Kumar, Manoj Trivedi, Bhaskaran, Raj Kishore Sharma and Gurmeet Singh	New Journal of Chemistry	1369-9261

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