Publications of Teachers of Department of Chemistry, University of Delhi in Year 2016

S. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN
1	Soluble curcumin amalgamated chitosan microspheres augmented drug delivery and cytotoxicity in colon cancer cells: *In vitro* and *in vivo* study.	Jyoti K, Bhatia R.K, Martis E.A.F, Coutinho E.C, Jain U.K, Chandra R and Madan J	Colloids and Surfaces B:Biointerfaces	9277765
2	RNA interference technology with emphasis on delivery vehicles-prospects and challenges.	Prabha S, Vyas R, N. Ahmed G.B, Chandra R, Nimesh S	Artificial Cells, Nanomedicine and Biotechnology	21691401
3	Describing the stem cell potency: the various methods of functional assessment and in silico diagnostics	Singh V.K, Saini A, Chandra R	Frontiers in Cell and Developmental Biology	1093-9946
4	Designing an In-Silico Mimetic for Thrombopoietin Using Combinatorial Library.	Singh V.K, Goel I, Kumar N, Kalsan M, Saini A, Chandra R	International Journal of Science and Research	2319-7064
5	Stage-specific Regulation of Erythropoiesis and its Implications in *Ex-Vivo* RBCs generation.	Singh V.K, Saini A, Kalsan M, Kumar N, Chandra R	Journal of Stem Cells	1556-8539
6	Vincristine sulfate loaded dextran microspheres amalgamated with thermosensitive gel offered sustained release and enhanced cytotoxicity in THP-1, human leukemia cells: In vitro and in vivo study.	Thakur V., Kush P., Pandey R. S., Jain U. K. Chandra R., Madan J	Materials Science and Engineering: C	0928-4931
7	Advances in preparation and characterization of chitosan nanoparticles for therapeutics.	Chandra H. K, Prabha S., Chandra R., Ahmed B. and Nimesh S.	Artificial Cells, Nanomedicine, and Biotechnology	21691401
8	Effect of size on biological properties of nanoparticles employed in gene delivery.	Prabha S., Arya G., Chandra R., Ahmed B. and Nimesh S.	Artificial Cells, Nanomedicine, and Biotechnology	21691401
9	A Novel Peptide Thrombopoietin Mimetic Designing and optimization Using Computational Approach.	Singh VK, Kumar Neeraj, Kalsari Manisha, Saini Abhishek and Chandra R	Frontiers in Bioengineering and Biotechnology	1093-9946

10	Silver(I) and Palladium(II) Complexes of New Pentamethylene- Functionalized Quasi-Pincer Bis-carbene ligands and its application in Heck and Suzuki-Miyaura coupling reaction	Manoj Trivedi, Bhaskaran, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath	Inorg. Chim. Acta	0020-1693
11	Metal-organic framework MIL-101 supported bimetallic Pd-Cu Nanocrystals as an efficient catalyst for Chromium Reduction and Conversion of Carbon Dioxide at Room Temperature	M. Trivedi, Bhaskaran, Akshay Kumar, G. Singh, A. Kumar, N.P. Rath	New Journal of Chemistry	1144-0546
12	Polyaniline All Solid-State Pseudocapacitor: Role of Morphological Variations in Performance Evolution	S Grover, S Goel, RB Marichi, V Sahu, G Singh, RK Sharma	Electrochimica Acta	0013-4686
13	Nitrogen-doped carbon nanosheets for high-performance liquid as well as solid state supercapacitor cells	V Sahu, S Grover, G Singh, RK Sharma	RSC Advances	2046-2069
14	Nickel-shell assisted growth of nickel-cobalt hydroxide nanofibres and their symmetric/asymmetric supercapacitive characteristics	Ram Bhagat Marichi, Vikrant Sahu, Shubra Lalwani, Monu Mishra, Gurmeet Singh	Journal of Power Sources	0378-7753
15	Negative ion Wolff rearrangement of some diazoketones: A theoretical mechanistic study	Arora, Ritu; Kakkar, Rita.	Comp. Theor. Chem.	2210-271X
16	Recent adavances in nano-photocatalysis for organic synthesis	Radhika, N. P.; Selvin, R.; Kakkar, Rita; Umar, A.	Arabian J. Chem.	1878-5352
17	In silico studies on potential MCF-7 inhibitors: a combination of pharmacophore and 3D-QSAR modeling, virtual screening, molecular docking, and pharmacokinetic analysis	Badhani, Bharti; Kakkar, Rita	J. Biomol. Str. Dyn.	0739-1102

18	Spectroscopic and molecular modelling studies of binding mechanism of metformin with bovine serum albumin	Sharma, D.; Ojha, Himanshu; Pathak, Mallika; Singh, B.; Sharma, N.; Singh, A.; Kakkar, Rita; Sharma, R. K.	J. Mol. Struct.	0022-2860
19	A facile and green approach for the synthesis of spiro[naphthalene-2,5'-pyrimidine]-4-carbonitrile via one-pot three-component condensation reaction using DBU as catalyst	M. Rajeswari, Pooja Saluja and J. M. Khurana	RSC Advances	2046-2069
20	Nickel boride mediated cleavage of 1,3-oxathiolanes – A convenient approach to deprotection and reduction	J.M. Khurana, Devanshi Magoo, Kiran Dawra	Monatshefte für Chemie	0026-9247
21	One-pot four-component domino strategy for the synthesis of novel spirooxindolepyrrolizine linked 1,2,3-triazoles *via* stereo- and regioselective [3+2] cycloaddition reaction in acidic medium	M. Rajeswari, Sudesh Kumari and J. M. Khurana	RSC Advances	2046-2069
22	An efficient green approach for the synthesis of novel triazolyl spirocyclic oxindole derivatives *via* one-pot five component protocol using DBU as catalyst in PEG-400	Sudesh Kumari, Harjinder Singh and J. M. Khurana	Tetrahedron Letters	0040-4039
23	DBU mediated confluent approach for the one pot synthesis of novel 5-hydroxy pyrazolo[1,2-*a*][1,2,4] triazoles and their dehydration to novel pyrazolo[1,2-a][1,2,4]triazole derivatives	Shruti Gupta, Pooja Saluja and J. M. Khurana	Tetrahedron	0040-4020
24	The Highly Selective Metal-free Oxidation of Sulfides, Tellurides and Phosphines using Sodium bromate in the Presence of Recyclable ionic liquid [bmim]HSO_4 at 80^oC	M. Rajeswari, Anshika Lumb and J. M. Khurana	Journal of Chemical Research	1747-5198

25	$La(OTf)_3$ catalysed, ultrasonic assisted one-pot, three-component and efficient synthesis of substituted spiro[indolo-3,10'-indeno[1,2-*b*]quinolin]-2,4,11'-triones in PEG-400	Sudesh Kumari, M. Rajeswari and J. M. Khurana	Synthetic Communications	1532-2432
26	A green approach for the synthesis of novel 7,11-dihydro-6*h* -chromeno[3,4-*e*]isoxazolo[5,4-*b*]pyridin-6-one derivatives using acidic ionic liquid [bmim]HSO_4	Sudesh Kumari, M. Rajeswari and J. M. Khurana	Australian Journal of Chemistry	0004-9425
27	Metal free synthesis of 1,2,3-triazoles by azide-aldehyde cycloaddition under ultrasonic irradiation in TSIL [DBU-Bu]OH and in hydrated IL $Bu_4N^+OH^-$ under heating	Harjinder Singh, Garima Khanna and J. M. Khurana	Monatshefte für Chemie	0026-9247
28	2-Hydroxy-1,4-naphthoquinone: A versatile synthon in organic synthesis	Ankita Chaudhary and J. M. Khurana	Current Organic Chemistry	1875-5348
29	DBU catalyzed metal free synthesis of fused 1,2,3-triazoles through [3+2] cycloaddition of aryl azides with activated cyclic C-H acids". Impact factor: 2.347	Harjinder Singh, Garima Khanna and J. M. Khurana	Tetrahedron Letters	0040-4039
30	Synthesis and biological evaluation of some functionalized 1H-1,2,3-triazole tethered pyrazolo[3,4-b]pyridin-6(7H)-ones as antimicrobial and apoptosis inducing agents	Jayant Sindhu, Harjinder Singh, and J. M. Khurana, J. Kumar Bhardwaj, Priyanka Saraf and Chetan Sharma, K.R. Aneja	Medicinal Chemistry Research	1054-2523
31	Catalyst free ethylene glycol promoted synthesis of spiro[indene-2,20-naphthalene]-40-carbonitriles and spiro[naphthalene-2,50-pyrimidine]-4-carbonitriles via one-pot three-component reaction	Garima Khanna, Pooja Saluja and J. M. Khurana	Tetrahedron Letters	0040-4039

32	One-pot four component condensation for the synthesis of novel dispirooxindolepyrrolidine linked 1,2,3-triazoles *via* stereo- and regioselective [3 + 2] cycloaddition reaction in PEG-400	Sudesh Kumari and J. M. Khurana	Heteroatom Chemistry	1098-1071
33	Efficient catalyst free synthesis of diversified bis (spirooxindoles) *via* one-pot three component reaction	Garima Khanna, Komal Aggarwal and J. M. Khurana	Synthetic Communications	1532-2432
34	A facile eco-friendly approach for the one–pot synthesis of 3,4-dihydro-2*H* -naphtho[2,3-e][1,3]oxazine-5,10-diones using glycerol as agreen media	Shruti Gupta, Garima Khanna and J. M. Khurana	Environmental Chemistry Letters	1610-3653
35	Fe3O4 (iron oxide)-supported nanocatalysts: synthesis, characterization and applications in coupling reactions	R.K. Sharma, S. Dutta, S. Sharma, R. Zboril, R. S. Varma and M. B. Gawande	Green Chemistry	1463-9262
36	Synthesis of Iron Oxide Palladium Nanoparticles and Their Catalytic Applications for Direct Coupling of Acyl Chlorides with Alkynes	R.K. Sharma, M. Yadav, R. Gaur, R. Gupta, A. Adholeya and M. B. Gawande	ChemPlusChem	2192-6506
37	Zinc(II) complex immobilized on amine functionalized silica gel: a novel, highly efficient and recyclable catalyst for multicomponent click synthesis of 1,4-disubstituted 1,2,3-triazoles	R.K. Sharma, M. Mishra, S. Sharma and S. Dutta	Journal of Coordination Chemistry	0095-8972
38	Silica-Based Magnetic Manganese Nanocatalyst-Applications in the Oxidation of Organic Halides and Alcohols	R.K. Sharma, M. Yadav, Y. Monga, R. Gaur, A. Adholeya, R. Zboril, R. S. Varma and M. B. Gawande	ACS Sustainable Chemical and Engineering	2168-0485
39	Nickel(II) complex covalently anchored on core shell structured SiO2@Fe3O4 nanoparticles: a robust and magnetically retrievable catalyst for direct one-pot reductive amination of ketones	R.K. Sharma, S. Dutta and S. Sharma	New Journal of Chemistry	1144-0546

40	Coordinated copper(II) supported on silica nanospheres applied to the synthesis of α-ketoamides via oxidative amidation of methyl ketones	R.K. Sharma, S. Sharma, G. Gaba and S. Dutta	Journal of Material Science	0022-2461
41	Structure-activity relationship studies of 4-methylcoumarin derivatives as anticancer agents	R Miri, M Nejati, L Saso, F Khakdan, B Parshad, D Mathur, VS Parmar, ME Bracke, AK Prasad, SK Sharma	Pharmaceutical Biology	1744-5116
42	Synthesis of 3'-azido/-amino-xylobicyclonucleosides	M. Kumar, R. Kumar, N. Rana, AK Prasad	RSC advances	2046-2069
43	Sugar-based novel chiral macrocycles for inclusion applications and chiral recognition	A Singh, V Khatri, S Malhotra, AK Prasad	Carbohydrate Res.	0008-6215
44	Mitigation of radiation-induced hematopoietic injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice	K Venkateswaran, A Shrivastava, PK Agrawal, AK Prasad, N Kalra, PR Pandey, K Manda, HG Raj, VS Parmar and BS Dwarakanath	Science Reports	2045-2322
45	Synthesis and anti-inflammatory activity evaluation of novel triazolyl-isatin hybrids	PK Sharma, S Balwani, D Mathur, S Malhotra, BK Singh, AK Prasad, C Len, EV Van der Eycken, B Ghosh, NGJ Richards and VS Parmar	J. Enzyme Inhib. Med. Chem.	1475-6374
46	Hyperbranched glycerol-based core-amphiphilic branched shell nanotransporters for dermal drug delivery	S Stefani, S Hoenzke, JL Cuellar Camacho, L Jose, F Neumann, AK Prasad, S Hedtrich, R Haag and P Servin	Polymer	0032-3861
47	Coumarin Derivatives as Adjuvants: From In Silico Physicochemical Characterization to In vitro Evaluation against Gram Positive Bacteria	N Poughat, AK Chillar, AK Prasad, NN Senapati, S Khatri, M Kumar, S Srivastava, R Dabur	Comb. Chem. High Throughput Screen	1875-5402
48	Chemo-enzymatic synthesis of 3'-O,4'-C-methylene-linked α-L-arabinonucleosides	R Kumar, M Kumar, J Maity and AK Prasad	RSC Advances	2046-2069

49	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives	A Kumar, A Khan, S Malhotra, R Mosurkal, A Dhawan, MK Pandey, BK Singh, AK Prasad, SK Sharma, LA Samuelson, AK Cholli, C Len, NGJ Richards, J Kumar, R Haag, AC Watterson and VS Parmar	Chem. Soc. Rev	0306-0012
50	Biotinidase Resistant 68Gallium-Radioligand Based on Biotin/Avidin Interaction for Pretargeting: Synthesis and Preclinical Evaluation	S. Prakash, P. P. Hazari, V. K. Meena, A. Jaswal, H. Khurana, S. Kukreti, A. K. Mishra	Bioconjug Chem.	1043-1802
51	Genetic variations: Heroes or villains	M. Kaushik,S. Chaudhary, S. Mahendru, M. Kumar, S. Kukreti	Journal of Down Syndrome & Chromosome Abnormalities	2472-1115
52	Spectroscopic Studies of the Binding Interactions of Phenothiazininum Dyes (Thionine Acetate, Azure A and Azure B) with Calf-thymus DNA	M. Kumar, M. Kaushik, S. Chaudhary, and S. Kukreti	Journal of Drug Metabolism & Toxicology	2157-7609
53	DNA Fingerprints: Advances in their Forensic Analysis Using Nanotechnology	M. Kaushik, S. Mahendru, S. Chaudhary, and S. Kukreti	Journal of Forensic Biomechanics	2090-2697
54	Advancements in Characterization Techniques of Biomolecules: Cyclic Voltamettry, Gel Electrophoresis, Circular Dichroism, and Fluorescence Spectroscopy	M. Kaushik, M. Kumar, S. Chaudhary, S. Mahendru, and S. Kukreti	Advanced Techniques in Biology and Medicine	2379-1764
55	Genomic Databases and Softwares: In pursuit of Biological relevance through Bioinformatics.	M. Kaushik, S. Mahendru, M. Kumar, S. Chaudhary, and S. Kukreti	Advanced Techniques in Biology and Medicine	2379-1764
56	Protein engineering and de novo designing of a biocatalyst.	M. Kaushik, P. Sinha, P. Jaiswal, S. Mahendru, K. Roy, and S. Kukreti	Journal of Molecular Recognition	1099-1352
57	Exploring the characterization tools of Guanine-Quadruplexes	M. Kaushik, S. Kaushik, and S. Kukreti	Frontiers in bioscience	1093-4715
58	A bouquet of DNA structures: Emerging diversity	M. Kaushik, S. Kaushik, K. Roy, A. Singh, S. Mahendru, M. Kumar, S. Chaudhary, S. Ahmed, and S. Kukreti	Biochemistry and Biophysics Reports	2405-5808

59	Binding of ethyl pyruvate to bovine serum albumin: Calorimetric, spectroscopic and molecular docking studies	M. Pathak, R. Mishra, P. K. Agarwala, H. Ojha, B. Singh, A. Singh, S. Kukreti	Thermochimica Acta	0040-6031
60	General techniques for biomolecular characterization	S. Kaushik and S. Kukreti	Imperial Journal of Interdisciplinary Research	2454-1362
61	Synthesis, preclinical evaluation and molecular modelling of macrocyclic appended 1-(2-methoxyphenyl) piperazine for 5-HT 1A neuroreceptor imaging	P. P. Hazari, S. Prakash, V.K. Meena, N. Singh, K. Chuttani, N. Chadha, P. Singh, S. Kukreti, and A. K. Mishra	RSC Advances	2046-2069
62	Design, Synthesis, and Biological Evaluation of 1, 2-Dihydroisoquinolines as HIV-1 Integrase Inhibitors	V. Tandon, Urvashi, P. Yadav, S. Sur, S. Abbat, V. Tiwari, R. Hewer, M. Papathanasopoulos, R. Raja, A.C. Banerjea, A. Verma, S. Kukreti, and P.V. Bharatam	ACS medicinal chemistry letters	1948-5875
63	Dynamics of Comb-of-Comb Network Polymers in Random Layered Flows	D. Katyal and R. Kant	Phys. Rev. E.,	1539-3755
64	General Theory for Pulse Voltammetric Techniques at Rough Electrodes: Multistep Reversible Charge Transfer Mechanism	Parveen and R. Kant	ElectrochimicaActa,	0013-4686
65	Influence of viscosity on chronoamperometry of reversible redoxsystem on rough and nanoparticles deposited Pt electrode: Aqueous/glycerol and RTIL medium	R. Kumar, S. Dhillon and R. Kant	J. Electroanal. Chem.,	1572-6657
66	Electrode Disorder, Electrochemical Processes and Governing Length Scales (Invited Review)	R. Kant, S. Dhillon and J. Kaur	J. Indian Institute of Science,	0970-4140
67	Theory for Cyclic Staircase Voltammetry of Two Step Charge Transfer Mechanism at Rough Electrodes	Parveen and R. Kant	J. Phys. Chem. C,	1932-7447

68	General Theory for Pulse Voltammetric Techniques on Rough and Finite Fractal Electrodes for Reversible Redox System with Unequal Diffusivities	Parveen and R. Kant	Electrochimica Acta.	0013-4686
69	Electrochemical impedance based chiral analysis of anti-ascorbutic drug: L-ascorbic acid and D-ascorbic acid using C-dots decorated conductive polymer nano-composite electrode,	I. Pandey and R. Kant,	Biosensors and Bioelectronics	0956-5663
70	Cu(II)-Hydromagnesite catalyzed synthesis of tetrasubstituted propargylamines and pyrrolo[1,2-a]quinolines *via* KA2, A3 couplings and their decarboxylative versions	U. Chinna Rajesh, Upasana Gulati and Diwan S. Rawat	ACS Sustainable Chem. Eng.	2168 0485
71	CuO/Fe_2O_3 NPs: Robust and magnetically recoverable nanocatalyst for decarboxylative A3 and KA2 coupling reactions under neat conditions	Upasana Gulati, U. Chinna Rajesh and Diwan S. Rawat	Tetrahedron Letters	0040 4039
72	CuI nanoparticles mediated expeditious synthesis of 2-substituted benzimidazoles using molecular oxygen as oxidant	P. Linga Reddy, R. Arundhathi, Mohit Tripathi and Diwan S. Rawat	RSC Adv	2046 2069
73	Copper supported hematite NPs as magnetically recoverable nanocatalysts for one-pot synthesis of aminioindolizines and pyrrolo[1,2-a]quinolines	U. Chinna Rajesh, V. Satya Pavan, Diwan S. Rawat	RSC Adv	2046 2069
74	Anti-methicillin resistant *Staphylococcus aureus* activity, synergism with oxacillin and molecular docking studies of metronidazole-triazole hybrids	Beena Negi, Deepak Kumar, Widuranga Kumbukgolla, Sampath Jayaweera, Prija Ponnan, Ramandeep Singh, Sakshi Agarwal	Eur. J. Med. Chem	0223 5234

75	Synthesis of 4-piperidone based curcuminoids with anti-inflammatory and anti-proliferation potential in human cancer cell lines	Amit Anthwal, Kundan Singh, M.S.M. Rawat, Amit K. Tyagi, Ashanul Haque, Imran Ali, Diwan S. Rawat	Anti Cancer Agents Med Chem	1871 5206
76	Synthesis of Macromolecular Systems via Lipase Catalyzed Biocatalytic Reactions: Applications and Future Perspectives.	A Kumar, A Khan, S Malhotra, R Mosurkul, A Dhawan, MK Pandey, BK Singh, R Kumar, AK Prasad, SK Sharma, L Samuelson, AL Cholli, C Len, J Kumar, R Haag, AC Watterson, VS Parmar	Chem. Soc. Rev.	0306-0012
77	Synthesis and SAR study of antioxidant potential of polyhydroxy coumarin derivatives.	B Parshad, AJ Duraisamy, S Saini, P Yadav, P Vats, and SK Sharma	Med. Chem.	1554-8120
78	Enzyme-triggered drug release from perfluoroalkyl-functionalized dendronized polymers for Drug Delivery Application	B Parshad, M Kumari, K Achazi, C Böttcher, R Haag, SK Sharma	Polymers	1349-0540
79	Chemo-Enzymatic Synthesis of Oligoglycerol Derivatives.	A, Singh, R Nguyen, N Galy, R Haag, SK Sharma, C Len	Molecules	1420-3049
80	Neuroprotective and Antioxidant Activities of 4-Methylcoumarins: Development of Structure–Activity Relationships.	S Malhotra, M Tavakkoli, N Edraki, R Miri, SK Sharma, AK Prasad, L Saso, C Len, VS Parmar, O Firuzi	Biol. Pharm. Bulletin	1347-5215
81	Core-shell Nanocarriers Based on PEGylated Hydrophobic Hyperbranched Polyesters.	S Stefani, P Servin, SK Sharma, R Haag	Eur. Polym. J.	0014-3057
82	Gold-Catalyzed Cyclization Processes: Pivotal Avenues for Organic Synthesis.	A Kumar, S Singh, SK Sharma, VS Parmar, EV Van der Eycken	The Chemical Record	1528-0691
83	Triglycerol-based Hyperbranched Polyesters with an Amphiphilic Branched Shell as Novel Biodegradable drug delivery systems.	S Stefani, I Nurita, SK Sharma, C Böttcher, P Servin, R Haag	Polymer Chem.	1759-9962

84	Structure-activity relationship study of 4-methylcoumarin derivatives as anticancer agents.	R Miri, M Nejati, L Saso, F Khakdan, B Parshad, D Mathur, VS Parmar, ME Bracke, AK Prasad, SK Sharma, O Firuzi	Pharm. Biol.	1388-0209
85	Synthesis, ^{1}H and ^{13}C NMR Assignment of novel Pyridin-2(1*H*)-one Derivatives.	K Chand, AK Sharma, SK Sharma	Magn. Res. Chem.	1097-458X
86	Design and synthesis of novel triazolyl benzoxazine derivatives and evaluation of their antiproliferative & antibacterial activity.	A Khan, S Prasad, VS Parmar, SK Sharma	J. Het. Chem.	1943-5193
87	Synthesis of Novel Triazolyl Pyranochromen-2(1*H*)-ones and their Antibacterial Activity Evaluation.	S Kumar, S Prasad, B Kumar, HK Gautam, SK Sharma	Med. Chem. Res.	1554-8120
88	Synthesis and characterization of new *N*-alkylated pyridin-2(1*H*)-ones.	AK Sharma, P Yadav, K Chand, SK Sharma	Indian J. Chem.	0376-4699
89	Carbohydrate based bolaamphiphiles and their biomedical applications.	Rashmi, SK Sharma	Trends Carb. Res	0975-0304
90	Experimental and Theoretical study of Intramolecular O-O Interaction in Structurally Rigid $_{\beta}$-Keto Carboxylic Ester	C. Sharma, A. K Singh, J. Joy, E. D. Jemmis, Satish K Awasthi	RSC Advances	2046-2069
91	Synthetic, Crystallographic, and Computational Studies of Extensively Hydrogen Bonded Bilayers in Thermally Stable Adamantane Hydroperoxides".	C. Sharma, Jyothish Joy, M. Nethaji, E. D. Jemmis, Satish Kumar Awasthi	Asian Journal of Organic Chemistry	2193-5815
92	A comparative study between heterogeneous stannous chloride loaded silica nanoparticles and homogeneous stannous chloride catalyst in the synthesis of 5-substituted 1H-tetrazole	A. Kumar, S. Kumar, J. Khazuria, Satish Kumar Awasthi	RSC Advances	2046-2069
93	Aminoquinoline derivatives: Synthesis, in vitro & in vivo antiplasmodial activity against chloroquine-resistant parasites	S. Singh, D. Agarwal, K. Sharma, M. Sharma, M. A Nielsen, M. Alifrangis, R. D Gupta, A. K Singh, Satish K Awasthi	Eur J Med Chem.	0223-5234

94	A Pyrene-based electropolymerized film as a solid state platform for multi-bit memory staorae and fluorescence sensing of nitroaromatics in aqueous solution	M Chhatwal, A Kumar, R. D. Gupta, Satish K. Awasthi	J Material Chemistry C	2050-7534
95	Gold nanocomposite assemblies using functionalized Ru (II)-polypyridyl complexes	N. Vilvamani, M. Chhatwal, I. Bhowmick, R. D. Gupta, Satish K Awasthi	RSC Advances	2046-2069
96	Versatility of Peptide Nucleic Acids (PNAs): Role in Chemical Biology, Drug Discovery and Origins of Life, Chemical Biology and Drug Design	Chiranjeev Sharma, Satish K Awasthi	Chemical Biology and Drug Design	1747-0285
97	Heteroleptic Cu (II)-polypyridyl complexes as photonucleases	V. Singh, K. Sharma, B. Shankar, Satish K Awasthi. R. D. Gupta	New Journal of Chemistry	1369-9261
98	An electroactive metallo-polypyrene film as a molecular scaffold for multi-state volatile memory devices	M. Chhatwal, A. Kumar, S. K. Awasthi, M. Zharnikov, R. D. Gupta	J. Phys. Chem	1520-5215
99	Molecular logic operations based on optical detection of sulfur mustard simulant using pyridine appended Mg–porphyrazine complex Sens. Actuators	Neelam, V. Singh, B. Shankar, R. Shanmugam, S. K. Awasthi	B-Chem	2050-7518
100	Synthesis of newer 1,2,3-Triazole linked chalcone and flavone hybrid compounds and evaluation of their antimicrobial and cytotoxic activities	R. Kant, D. Kumar, D. Agarwal, R. D. Gupta, R. Tilak, S. K. Awasthi, A. Agarwal	Eur J Med Chemistry	0223-5234
101	Lanthanide-based coordination polymers as the promising heterogeneous catalysts for ring-opening reactions	G. Kumar, G. Kumar, Rajeev Gupta	RSC Advances	1865-7109
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103	A Carboxylate-Rich Metalloligand and Its Heterometallic Coordination Networks: Syntheses, Structures, Topologies and Heterogeneous Catalysis	. Srivastava, V. Kumar, Rajeev Gupta	Crystal Growth & Design	1528-7483
104	Cobalt Complexes Offering Aryldicarboxylic Acid Groups: Hydrogen Bonding Assemblies and the Resultant Topologies	S. Srivastava, Rajeev Gupta	Chemistry Select	2365-6549
105	The wonderful World of Pyridine-2,6-dicarboxamide Based Scaffolds	Pramod Kumar, Rajeev Gupta	Dalton Transactions	1477-9226
106	Metalloligands to Material: Design Strategies and Network Topologies	S. Srivastava, Rajeev Gupta	CrystEngComm	1466-8033
107	Syntheses, structural aspects, solution behavior, and catalytic utility of cyclopalladated N,N',N''-triarylguanidines [κ2(C,N)Pd(Pyrazole)2X] (X = Br, OC(O)CF3, and PF6) in Suzuki-Miyaura coupling reactions of aryl bromides	Agarwal, Pallavi; Thirupathi, Natesan; Nethaji, Munirathinam	Organometallics	0276-7333
108	Six-membered cyclopalladated N,N',N''-triarylguanidines, [{κ2(C,N)Pd}2(μ-OAc)(μ-Pz)], [κ2(C,N)Pd(μ-Pz)]2 and a novel [AgNO3⊂{{κ2(C,N)Pd}2(μ-NO3)(μ-Pz)}]: Syntheses, reactivity studies, structural aspects, and solution behavior	Agarwal, Pallavi; Thomas, Jisha Mary; Sivasankar, Chinnappan; Nethaji, Munirathinam; Thirupathi, Natesan	Polyhedron	0277-5387
109	Ambient temperature synthesis of spiro[indoline-3,2'-thiazolidinones] by a DBSA-catalyzed sequential reaction in water	Amreeta Preetam and Mahendra Nath	Tetrahedron Letters	0040-4039
110	Synthesis, characterization and photophysical studies of β-triazolomethyl-bridged porphyrin-benzo-α-pyrone dyads	Dileep Kumar Singh and Mahendra Nath	J. Chem. Sci.	0973-7103

111	Synthesis, characterization and optical properties of β-substituted pyrrolo- and indolo[1,2-a]quinoxalinoporphyrins	Chandrasekhar Tekuri, Dileep Kumar Singh and Mahendra Nath	Dyes and Pigments	0143-7208
112	A convenient one-pot aqueous phase synthesis and properties of naphtho[e]bis[1,3]oxazines	Bijoy P. Mathew, Neha Batra and Mahendra Nath	Current Green Chemistry	2213-347X
113	Globular-Disorder transition in proteins: A compromise between hydrophobic and electrostatic interactions?	A. Baruah and P. Biswas	Phys. Chem. Chem. Phys.	1463-9084
114	Dynamics of dendrimers with excluded volume: A comparison with experiments and simulations	G. J. Rai, A. Kumar and P. Biswas	J. Rheol.	0148-6055
115	Sol-Gel Synthesis of High Pure Actinide Oxide ThO2 and its Solid Solutions with Technologically Important Tin and Zinc ions	Vikash Kumar Tripathi and Rajamani Nagarajan	Inorganic Chemistry	0020-1669
116	Pyridyl Substituted 4-(1,3-Dioxo-1H,3Hbenzo[de]isoquinolin-2-ylmethyl)-benzamides with Aggregation Enhanced Emission and Multi-Stimuli- Responsive Properties	Ashish Kumar Srivastava, Alok Kumar Singh, Niraj Kumari, Richa Yadav, Antonino Gulino, Adolfo Speghini, Rajamani Nagarajan	J.Lumin	0022-2313
117	An ethylene glycol intercalated monometallic layered double hydroxide based on iron as an efficient bifunctional catalyst	Rajamani Nagarajan, Pankaj Gupta, Poonam Singh and Pinki Chakraborty	Dalton Transactions	1477-9226
118	Fabrication and Micro hardness Analysis of MWCNT/MnO2 Nanocomposite	Md. Zakir Hussain, Sabah Khan, Rajamani Nagarajan, Urfi Khan, and Vishnu Vats	J.Materials	2314-4874
119	Determination of solubility limit of Sn4+ in fluorite structured terbia with simultaneous evaluation of photo catalytic function	Vikash Kumar Tripathi and Rajamani Nagarajan	Dalton Transactions	1477-9226
120	Effect of uniaxial pressure on the Raman spectra of fluoro perovskites containing manganese with sodium or potassium	Singh, P.; Nagarajan Rajamani	Spectroscopy Letters	0038-7010

121	Magnetically separable, bifunctional catalyst MgFe2O4 obtained by epoxide mediated synthesis	Vikash Kumar Tripathi and Rajamani Nagarajan	Advanced Powder Technology	0921-8831
122	A smart switchable module for detection of multiple-ions via turn on dual-optical readout and their cell-imaging studies	Rai, A.; Singh, A.K.; Sonkar, A.K.; Prakash, A.; Roy, J.K.; Nagarajan, R.; Mishra, L.	Dalton Transactions	1477-9226
123	Facile synthesis and photocatalytic properties of light emitting layered compounds of Zn-La-Tb hydroxide and oxoanions	Singh P and Nagarajan, R	Applied Clay Science	0169-1317
124	Rapid Synthesis of Mesoporous, Nano-Sized MgCr2O4 and Its Catalytic Properties	Vikash Kumar Tripathi and Rajamani Nagarajan	J.Am.Ceram.Soc	1551-2916
125	Cd(OH)F: Synthesis, Structure, optical and photocatalytic properties	Rawat P and Nagarajan R	J.Fluorine Chem	0022-1139
126	Topochemical oxidation of perovskite KCoF3 to a K2PtCl6 structure-type oxyfluoride	Rajamani Nagarajan, Shahzad Ahmad and Poonam Singh	Inorganic Chemistry	0020-1669
127	Synthesis and characterization of new rocksalt superstructure type layered oxides $Li_{4.5}M_{0.5}TeO_6$ (M(III) = Cr, Mn, Al, Ga)	Uma S., Gupta A	Mat. Res. Bull.	0025-5408
128	Single step hydrothermal synthesis of beyerite, $CaBi_2O_2(CO_3)_2$ for the fabrication of UV-visible light photocatalyst $BiOI/CaBi_2O_2(CO_3)_2$	Malik V., Pokhriyal M., Uma S	RSC Adv.	2046-2069
129	Fabrication of TiO2/CdS/Ag2S Nano-Heterostructured Photoanode for Enhancing Photoelectrochemical and Photocatalytic Activity under Visible Light	Sandeep Kumar, Dr. Aadesh P Singh, Nitin Yadav, Prof. Meganathan Thirumal, Prof. B. R. Mehta and Prof. Ashok K. Ganguli	Chemistry Select	2365-6549
130	Visible-Light-Driven Photoelectrochemical and Photocatalytic performance of $NaNbO_3/Ag_2S$ core-shell Heterostructures	Kumar, Sandeep; Singh,Aadesh P;Bera,Chandan;.Thirumal, Meganathan;Mehta,B.R; Ganguli.Ashok K	ChemSusChem	1864-5631

131	“Palladium-Catalyzed Intramolecular Fujiwara-Hydroarylation: Synthesis of Benzo[a]phenazines Derivatives	Sonu Kumar, Rakesh K. Saunthwal, Mohammad Mujahid, Trapti Aggarwal and Akhilesh K. Verma,*	J. Org. Chem.,	0022-3263
132	“Regioselective 5-endo-dig Electrophilic Iodocyclization of Enediynes: A Convenient Route to Iodo-substituted Indenes and Cyclopenta Fused Arenes”	Rakesh K. Saunthwal, Abhinandan K. Danodia, Monika Patel, Sushil Kumar and Akhilesh K. Verma,*	Chem. Asian J	1861-471X
133	“Regio- and Stereoselective Tandem Synthesis of Oxazolo fused Pyridoindoles and Benzofurooxazolo Pyridines from ortho-Alkynylaldehydes”	Shilpi Pal, Deepak Choudhary, Mohit Jainth, Sonu Kumar, Rakesh K. Tiwari, and Akhilesh K. Verma,*	J. Org. Chem.,	0022-3263
134	“Metal-free regioselective tandem synthesis of diversely substituted benzimidazo-fused polyheterocycles in aqueous medium”	Pawan K. Mishra and Akhilesh K. Verma,	Green Chem.,	1463-9262
135	Palladium meets copper: one-pot tandem synthesis of pyrido fused heterocycles viaSonogashira conjoined electrophilic cyclization	Sonu Kumar, Rakesh K. Saunthwal, Trapti Aggarwal, Siva K. Reddy Kotla and Akhilesh K. Verma,*	Org. Biomol. Chem.,	1477-0520
136	“Regioselective Synthesis of C-3 Functionalized Quinolines via Hetero Diels-Alder Cycloaddition of Azadienes with Terminal Alkynes”	Rakesh K. Saunthwal, Monika Patel and Akhilesh K. Verma	J. Org. Chem.	0022-3263
137	"Iodine-Mediated Synthesis of Heterocycles via Electrophilic Cyclization of Alkynes ”	Akhilesh K. Verma,* Trapti Aggarwal and Sonu Kumar	Org. Biomol. Chem.,	1477-0520
138	Pd-Catalyzed One-Pot Sequential Unsymmetrical Cross-Coupling Reactions of Aryl / Heteroaryl 1,2-Dihalides”	Abhinandan K. Danodia,a Rakesh K. Saunthwal,a Monika Patel,a Rakesh K. Tiwarib and Akhilesh K. Verma	Org. Biomol. Chem	1477-0520
139	“A General and Efficient Pd-Catalyzed Rapid 2-Fluoroethoxylation of Bromo-Chalcones”	T.M. Rangarajan;* Kavita Devi, Akhilesh K. Verma, Rishi Pal Singh and Raj Pal Singh*	J. Fuorine Chem	1873-3328

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141	"Metal-free Intermolecular Hydrophenoxylation of Aryl Alkynes"	Monika Patel, Rakesh K. Saunthwal, Devendra K. Dhaked, Prasad V. Bharatamand Akhilesh K. Verma,*	Asian J. Org. Chem	2193-5815
142	Flexible, Dicationic Imidazolium Salts for in situ Application in Palladium-catalyzed Mizoroki-Heck Coupling of Acrylates under Aerial Conditions	Milton, M. D.; Garg, P.	Applied Organomet. Chem.	1099-0739
143	Design, synthesis and relaxation studies of triazole linked gadolinium(III)– DO3A-BTbistriazaspirodecanone as a potential MRI contrast agent	Varshney, R.; Sethi, S.; Rangaswamy, S.; Tiwari, A. K.; Milton; M. D.; Kumaran, S.; Mishra, A. K.	New J. Chem.	1369-9261
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145	Experimental studies on the systemic toxicity and biodistribution of synthesized calcium phosphate nanoparticles after oral administration in rats.	Joshi JC, Anuradha, Roy I, Gulati K, Ray A	Pharmaceutical Nanotechnology	2211-7393
146	Nanoscale iron carboxylate metal organic frameworks as drug carriers for magnetically aided intracellular delivery	Sethi K, Sharma S, Roy I	RSC Advances	2046-2069
147	FITC-Dextran entrapped and silica coated gadolinium oxide nanoparticles for synchronous optical and magnetic resonance imaging applications.	Shailja Kumar, Virender Kumar Meena, Puja Panwar Hazari, Rakesh Kumar Sharma	International Journal of Pharmaceutics	0378-5173.

148	Magnetic iron oxide nanoparticles encapsulating horseradish peroxidase (HRP): synthesis, characterization and carrier for the generation of free radicals for potential applications in cancer therapy	Nikesh Gupta, Chetna Gupta, Sandeep Sharma, Brijesh Rathi, Rakesh Kumar Sharma and H. B. Bohidar	R.SC Advance	2046-2069
149	Kinetic Study of Hydrolysis of Chlorpyrifos Using Gallic Acid Coated Silver Nanoparticles	Sandeep Sharma, Nitish Panchal, Surinder Kumar Sharma, Rakesh Kumar Sharma, Phool Kumar Patanjali	Advance science, engineering & Medicine	2164-6627
150	Nitrogen-Doped Carbon Nanosheets for High Performance, liquid as well as Solid State Supercapacitor cell	V. Sahu, S. Grover, G. Singh and R. K. Sharma	RSC advances	2046-2069
151	Polyaniline All Solid-State Pseudocapacitor: Role of Morphological Variations in Performance Evolution	S. Grover, S. Goel, R.B. Marichi, V. Sahu, G. Singh, R. K. Sharma,	Electrochimica Acta	0013-4686
152	Nickel-shell assisted growth of nickel-cobalt hydroxide nanofibres and their symmetric/asymmetric supercapacitive characteristics	R.B. Marichi, V. Sahu, S. lalwani, M. Mishra, G. Gupta, R. K. Sharma, G. Singh	Journal of Power Sources	0378-7753
153	Nitrogen-doped carbon nanosheets for high-performance liquid as well as solid state supercapacitor cells	Vikrant Sahu, Sonia Grover, Gurmeet Singh and Raj Kishore Sharma	RsC Advances	2046-2069
154	Comment on the Comment on “Ultrahigh Performance Supercapacitor from Lacey Reduced Graphene Oxide Nanoribbons”	Vikrant Sahu, Shashank Shekhar, Raj Kishore Sharma and Gurmeet Singh	ACS Applied material and interfaces	1944-8252
155	Biocompatible ZrO2- reduced graphene oxide immobilized AChE biosensor for chlorpyrifos detection	N. K. Mogha, V. Sahu, M. Sharma, R.K.Sharma, D.T. Masaram	Materials and Design	0264-1275

156	Phytoremediation of lead and zinc in polluted yamuna soil using helianthus annus- A new green technology	Rajni Gupta, Gaurav Chugh, Rakesh Kumar, Reena Saxena	International Journal of Advance Research in Science and Engineering	2271-6451
157	Application of Brassica Juncea (Indian Mustard) for phytoremediation of lead and zinc in polluted Yamuna soil	Rajni Gupta, Gaurav Chugh, Rakesh Kumar, Reena Saxena	International Journal of Natural and Applied Sciences	2319-4014
158	Trimethylamine-*N*-oxide switches from stabilizing nature: A mechanistic outlook through experimental techniques and molecular dynamics simulation	A. Rani, A. Jayaraj, B. Jayaram and P. Venkatesu	Scientific Reports	2045-2322
159	Deciphering the Interactions of Bromelain with Carbon Nanotubes: Role of Protein as Well as Carboxylated Multiwalled Carbon Nanotubes in a Complexation Mechanism	Indrani Jha and P. Venkatesu	J. Phys. Chem. C	1932-7447
160	A Distinct Proof on Interplay between Trehalose and GdnHCl for the Stability of Stem Bromelain	Anjeeta Rani and P. Venkatesu	J. Phys. Chem. B	1520-6106
161	Thermo-responsive triblock copolymer phase transition behaviour in imidazolium-based ionic liquids: Role of the effect of alkyl chain length of cations	R. Umapathi and P. Venkatesu	Journal of Colloid & Interface Science	0021-9797
162	Comprehensive Evaluation of Biomolecular Interactions between Protein and Amino Acid Based-Ionic Liquids: A Comparable Study between [Bmim][Br] and [Bmim][Gly] Ionic Liquids	Meena Bisht, Indrani Jha and	ChemistrySelect	2365-6549
163	A Study of the molecular interactions between ammonium-based ionic liquids and N,N-dimethylacetamide	P. K. Kumar, V. Govinda, K. Sreenuvasulu, P. Venkatesu, I. Bahadur and E. E. Ebenso	Journal of Molecular Liquids	0167-7322
164	Does 1-Allyl-3-Methylimidazolium Chloride Acts as a Biocompatible Solvent for Stem Bromelain?	Indrani Jha, Meena Bisht and P. Venkatesu	J. Phys. Chem. B	1520-6106

165	Remarkable refolding effects of partially-immiscible ammonium–based ionic liquids on the urea-induced unfolded lysozyme structure	B. Meena, A. Kumar and P. Venkatesu	Phys. Chem. Chem. Phys.	1463-9076
166	Conversion of Sugar to Aldonic Acids: An Important Industrial Precursor	Kapil Arya, Dhanraj Masram	Mini-Reviews in Organic Chemistry	1875-6298
167	Azadirachta indica nano biomaterial: A green economical biomaterial for removal of Cd (II) and Ni (II) from waste water	P. Goyal, Dhanraj T. Masram	Materials Today: Proceedings - Journal - Elsevier	2214-7853
168	Biocompatible ZrO2- Reduced Graphene Oxide immobilized AChE biosensor for Chlorpyrifos detection	N. Mogha, V. Sahu, M. Sharma, R.K. Sharma, Dhanraj T. Masram	Journal of Materials & Design, Elsevier	0264-1275
169	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives	Amit Kumar, Abdullah Khan, Shashwat Malhotra, Ravi Mosurkal, Ashish Dhawan, Mukesh K. Pandey, Brajendra K. Singh, Rajesh Kumar, Ashok K. Prasad, Sunil K. Sharma, Lynne A. Samuelson, Ashok L. Cholli, Christophe Len, Nigel G. J. Richards, Jayant Kumar, Rainer Haag, Arthur C. Watterson and Virinder S. Parmar	Chem. Soc. Rev	1460-4744

170	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin byRhizopus oryzae Lipase (ROL)	Vinod Kumar, Divya Mathur, Smriti Srivastava, Shashwat Malhotra, Neha Rana ,Suraj K. Singh, Brajendra K. Singh, Ashok K. Prasad, Anjani J. Varma, Christophe Len, Ramesh C. Kuhad 2, Rajendra K. Saxena, Virinder S. Parmar	Molecules	1420-3049
171	Triphenyl phosphite-mediated “green” synthesis of novel carboxycoumarin amides	Pramod K. Sharma, Divya Mathur, Shashwat Malhotra, Neha Rana, Brajendra K. Singh, Ashok K. Prasad, Anjani J. Varma, Najam A. Shakil, Balaram Ghosh, Christophe Len	Current Green Chemistry	2213-347X
172	Design, synthesis and biological evaluation of Arylpiperazine-based novel Phthalimides: Active inducers of testicular germ cell apoptosis	Anil K. Singh, Jitender K Bharadwaj, Ana Olival, Yogesh Kumar, Avijit Podder, Ankur Maheshwari, Renuka Agarwal, N. Latha, Brajendra K. Singh, Helena Tomas, Joao Rodrigues, Ram Krishan, B. Rupini, Brijesh Rathi	J. Chem. Sci	0973-7103
173	Synthesis and anti-inflammatory activity evaluation of novel triazolyl-isatin hybrids	Pramod K. Sharma, Sakshi Balwani, Divya Mathur, Shashwat Malhotra, Brajendra K. Singh, Ashok K. Prasad, Christophe Len, Erik V. Van der Eycken, Balaram Ghosh, Nigel G. J. Richards, Virinder S. Parmar	J. Enzyme Inhib. Med. Chem	1457-6374

174	Microwave-Assisted, Metal-Free, Base-Mediated C-N Bond Formation/Cleavage: Synthesis of Benzimidazo[1,2-a]quinazoline Derivatives	Prashant Kumar, Anil K. Singh, Vijay Bahadur, Chritophe Len, Nigel G. J. Richards, Virinder S. Parmar, Eric V. Van der Eycken, Brajendra K. Singh	ACS Sustainable Chem. Eng	2168-0485
175	Functionalized organic frameworks explored as second order NLO agents	Anil K. Singh, Brijesh Rathi, Volodymyr V. Medviediev, Oleg V. Shishkin, Vijay Bahadur, Taruna Singh, Brajendra K Singh, N Vijayn, V. Balachandran, Nikolay Yu Gorobets	J. Chem. Sci.	0973-7103
176	Domino Carbopalladation/C-H Functionalization Sequence: An Expedient Synthesis of Bis-Heteroaryls through Transient Alkyl/Vinyl-Palladium Species Capture	Upendra K. Sharma, Nandini Sharma, Yogesh Kumar, Brajendra K. Singh, Erik V. Van der Eycken	Chem. Eur. J.	1521-3765
177	(L)-Prolinamide imidazolium hexafluorophosphate ionic liquid as an efficient reusable organocatalyst for direct asymmetric aldol reaction in solvent-free condition	Geeta Devi Yadav and Surendra Singh*	RSC Adv.	2046-2069
178	trans-4-Hydroxy-(L)-prolinamide as an efficient catalyst for direct asymmetric aldol reaction of acetone with isatins	Geeta Devi Yadav and Surendra Singh*	Tetrahedron: Asymmetry	0957-4166
179	N-Arylprolinamide act as an organocatalyst for direct asymmetric aldol reaction of acetone with isatin	Geeta Devi Yadav and Surendra Singh*	Tetrahedron: Asymmetry	0957-4166
180	Salts of 1-(Chloromethyl)-DABCO: A highly effcient organocatalyst for the alcoholysis of epoxides	Asish Dixit, Geeta Devi Yadav, ManMohan Singh Chuhan and Surendra Singh*	Current Catalysis	2211-5455

181	Surfactant directed $Ag_{1-x}Ni_x$ alloy nanoparticle catalysed synthesis of aromatic azo derivatives from aromatic amines	Mukesh Kumar, Kiran Soni, Geeta Devi Yadav, Surendra Singh, Sasanka Deka*	Applied Catalysis A General	0926-860X
182	(S)-Pyrrolidine-containing chiral manganese (III)-salalen and salan complexes as catalyst for the asymmetric Henry reaction	Pramod Kumar, ManMohan Singh, Geeta Devi Yadav Chuhan and Surendra Singh	Synlett	0936-5214
183	Novel biotin-functionalized lipidic nanocarriers for encapsulating BpT and Bp4eT iron chelators: evaluation of potential anti-tumour efficacy by in vitro, in vivo and pharmacokinetic studies in A549 mice models	S. Demoga, N. Dey, A. Kaur, S. Singh, A. K. Mishra*, D. Kakar*	RSC Adv.	2046-2069
184	Yttrium Containing Dimeric and Tetrameric Keggin Type Phosphotungstates: Syntheses, Crystal Structure and Catalytic Activity for Alcohol Oxidation Using H_2O_2 as an Oxidant in Water	F. Hussain*, M. K. Saini, R. Gupta and S. Singh	Current Catalysis	2211-5455
185	Direct asymmetric aldol reaction catalyzed by trans-4-hydroxy-(S)-prolinamide in solvent-free conditions	G. D. Yadav and S. Singh*	Tetrahedron: Asymmetry	0957-4166
186	Photoinduced ultrafast charge separation in colloidal 2-dimensional CdSe/CdS-Au hybrid nanoplatelets and corresponding application in photocatalysis	H. Chauhan, Y. Kumar, J. Dana, B. Satpati, H. N. Ghosh* and Sasanka Deka	Nanoscale	2040-3372
187	Exploration of magnetically separable Ag@AgxNiy core/graded-alloy-shell nanostructures	M. Kumar, K. Soni, B. Satpati, G. S Chinnakonda and Sasanka Deka	Chem. Commun	1359-7345
188	Surfactant directed Ag1−xNixalloy nanoparticle catalysed synthesis ofaromatic azo derivatives from aromatic amines	M. Kumar, K. Soni, G. D. Yadav, S. Singh, Sasanka Deka	Appl. Cat. A: General	0926-860X

189	Tandem Photocatalysis of Graphene-Stacked SnS2 Nanodiscs and Nanosheets with Efficient Carrier Separation	H. Chauhan, K. Soni, M. Kumar, Sasanka Deka	ACS Omega	2470-1343
190	Seeding of Au on CdSe/CdS nanoplates using Langmuir–Blodgett technique	S Das, B Satpati, H Chauhan, S Deka, MK Ghosalya, CS Gopinath, T Bala	RSC Advances	2046-2069
191	A Solvent-Free Process for Synthesis of Imines by Iron-Catalyzed Oxidative Self- or Cross-Condensation of Primary Amines Using Molecular Oxygen as Sole Oxidant	Kovuru Gopalaiah, Anupama Saini	Catalysis Letters	1572-879X
192	Diiron complexes [Fe2(CO)5(μ-pdt/Mebdt)(L)] containing a chelating Diphosphine ligand L=(Oxydi-2,1-phenylene)bis(diphenylphosphine): Bioinspired [FeFe] hydrogenasemodel complexes	I. K. Pandey, M. Natarajan, Hemlata, F. Hussain and Sandeep Kaur-Ghumaan*	ChemistrySelect	2365-6549
193	Gd(III)-DO3A-SBMPP:An Effort to Develop the MRI Contrast Agent with Enhanced Relaxivity	S. Rangaswamy, R. Varshney, A. K. Tiwari, S. K. Sethi, B. S. H. Kumar, H. Ojha, Sandeep Kaur-Ghumaan and A. K. Mishra	ChemistrySelect	2365-6549
194	Sandwich type organic-inorganic hybrid of 3d–4f heterometallic containing germanotungstates $[\{Cu_2(1,10\text{-phen})_2(\mu\text{-}CH3COO)_2\}Ln(\alpha\text{-}GeW_{11}O_{39})_2]^{11-}$: Syntheses, crystal structures, magnetic and photoluminescence properties	Gupta, R., Parbhakar, S., Behera, J. N. & Hussain, F.	Inorganic Chemistry Communications	1387-7003
195	Synthesis, characterization and fluorescence turn-on behavior of new porphyrin analogue: meta-benziporphodimethenes	Sharma, R. K., Gajanan, L. K., Mehata, M. S., Hussain, F., & Kumar, A.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425

196	Diiron Complexes $[Fe_2(CO)_5(\mu\text{-pdt/Mebdt})(L)]$ Containing a Chelating Diphosphine Ligand L=(Oxydi-2,1-phenylene)bis(diphenylphosphine): Bioinspired [FeFe] Hydrogenase Model Complexes	Pandey, I. K., Natarajan, M., H., Hussain, F., & Kaur-Ghumaan, S.	ChemistrySelect	2365-6549
197	Sandwich type organic-inorganic hybrid of silicotungstates $[\{Cu_2(1,10\text{-phen})_2(\mu\text{-}CH_3COO)_2\}Ln(\alpha\text{-}SiW_{11}O_{39})_2]^{11-}$ {Ln = Pr^{III}(1a), Nd^{III}(2a), Sm^{III}(3a), Eu^{III}(4a), Gd^{III}(5a) and Dy^{III}(6a)}: Syntheses, crystal structures, photoluminescence and magnetic properties	Parbhakar, S., Gupta, R., Behera, J. N., & Hussain, F.	Inorganic Chemistry Communications	1387-7003
198	Synthesis of pyrimidin-4-one-1, 2, 3-triazole conjugates as glycogen synthase kinase-3β inhibitors with anti-depressant activity	Khan, I., Tantray, M. A., Hamid, H., Alam, M. S., Kalam, A., Hussain, F., & Dhulap, A.	Bioorganic Chemistry	0045-2068
199	Lanthanoid Template Isolation of the α-1, 5 Isomer of Dicobalt (II)-Substituted Keggin Type Phosphotungstates: Syntheses, Characterization, and Magnetic Properties	Gupta, R., Hussain, F., Sadakane, M., Kato, C., Inoue, K., & Nishihara, S.	Inorganic Chemistry	0020-1669
200	Yttrium Containing Dimeric and Tetrameric Keggin Type Phosphotungstates: Syntheses, Crystal Structure and Catalytic Activity for Alcohol Oxidation Using H_2O_2 as an Oxidant in Water	Hussain, F., Saini, M. K., Gupta, R., & Singh, S.	Current Catalysis	2211-5447
201	Synthesis of Novel Oxazolo [4, 5-b] pyridine-2-one based 1, 2, 3-triazoles as Glycogen Synthase Kinase-3β Inhibitors with Anti-inflammatory Potential	Tantray, M. A., Khan, I., Hamid, H., Alam, M.S., Umar, S., Ali, Y., Sharma, K., & Hussain, F.	Chemical Biology & Drug Design	1747-0285

202	Synthesis of Novel Pyrimidin-4-One Bearing Piperazine Ring-Based Amides as Glycogen Synthase Kinase-3β Inhibitors with Antidepressant Activity	Khan, I., Tantray, M.A., Hamid, H., Alam, M.S., Kalam, A., Shaikh, F., Shah, A., & Hussain, F.	Chemical Biology & Drug Design	1747-0285
203	Use of Lanthanide-Containing Polyoxometalates to Sensitise the Emission of Fluorescent Labelled Serum Albumin	Smith, A. S.H., Crisp, J., Hussain, F., Patzke, G. R., & Hungerford, G.	ChemPhysChem	1439-7641
204	Enhanced in vivo tumour imaging by EDTA-bis-GNGR functionalized core shell CdSe: ZnS quantum dot: synergistic effect of active passive targeting	Mathur, R., Bag, N., Varshney, R., Hussain, F., Kaul, A., Kumari, N., Chauhan, R., Mishra, A. K.	RSC Advances	2046-2069
205	Molecular modeling and synthesis of some new 2-imino-4-thiazolidinone derivatives with promising TNF-α inhibitory activity	Ali, Y., Alam, M. S., Hamid, H., Husain, A., Dhulap, A., Hussain, F., Bano, S., Kharbanda, C.	New Journal of Chemistry	1144-0546
206	Strategy to Construct Stair-Shaped Partially Reduced Naphtho[1,2-b]pyrano[2,3-d]oxepines and Dinaphtho[1,2-b,d]oxepines	Gautam, S. K.; Maurya, H. K.; Pratap, R.; Kumar, B.; Kumar, A.; Tandon, V. K.; Ram, V. J.	J. Heterocycl. Chem.	1943-5193
207	One-pot and step-wise regioselective synthesis of thieno[3,2-c]pyridin-4-ones	Sahu, S. N.; Singh, S.; Shaw, R.; Shally; Ram, V. J.; Pratap, R.	RSC Adv	2046-2069
208	Synthesis of arylated and aminated naphthalenes and their synthetic applications for aza-heterocycles	Singh, S.; Shaw, R.; Shally; Chaudhary, S.; Kumar, A.; Pratap, R.	Tetrahedron	0040-4020
209	2-(2,2-Bis-benzylamino-1-cyano-vinyl)-benzonitrile: A Selective Turn-off Fluorescent Cu2+ Sensor	Singh, S; Reddy, T. S.; Panwar R.; Misra, R.; Pratap. R.	Chemistry Select	2365-6549
210	Microwave directed metal-free regiodivergent synthesis of 1,2-teraryls and study of supramolecular interactions	Singh, S; Shally; Shaw, R.; Yadav.R.; Kumar, A.; Pratap. R.	RSC Adv	2046-2069

211	Triazole linked ruthenium(II)-porphyrin: Influence of the connectivity pattern on photophysical and electrochemical properties	S. Arora, R. Nagpal, P. Chauhan, S.M.S. Chauhan	New J. Chem.	1144-0546
212	Synthesis, properties and singlet oxygen generation of thiazolidinone double bond linked porphyrin at meso and β-position	S. Ahmad, K.K. Yadav, , U . Narang, S. Bhattacharya, S.J. Singh, S.M.S. Chauhan	RSC Advances	2046-2069
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