

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2015

S. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN
1	Mechanism of Induction: Induced Pluripotent Stem Cells (iPSCs)	Singh V. K., Kumar N., Kalsan M., Saini A. and Chandra R	Journal of Stem Cells	1556-8539
2	Inhalable nanostructured lipid particles of 9-bromo-noscapine, a tubulin-binding cytotoxic agent: In vitro and in vivo studies.	Jyoti K., Kaur K, Pandey R. S, Jain U. K., Chandra R. and Madan J	Journal of Colloid and Interface Science	0021-9797
3	Facile and Rapid Deprotection Conditions for the Cleavage of Synthetic Oligonucleotides from 1,4-Anhydroerythritol-based Universal Polymer support.	Dhawan G., Chandra R., Gupta K. C. and Kumar P.	Nucleosides. Nucleotides and Nucleic Acid	1525-7770
4	Induced pluripotent stem cells: applications in regenerative medicine, disease modelling, and drug discovery.	Singh V. K., Kalsan M., Kumar N., Saini A. and Chandra R	Nucleosides. Nucleotides and Nucleic Acid	1525-7770
5	Theoretical model to investigate the alkyl chain and anion dependent interactions of Gemini surfactant with bovine serum. <i>Spectrochimica Acta Part A</i>	Vishvakarma, V. K.; Kumari, K.; Patel. R.; Dixit, V. S.; Singh, P.; Mehrotra, G. K.; Chandra, R.; Chakrawarty, A. K.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425
6	A sensitive WST-8-based bioassay for PEGylated granulocyte colony stimulating factor using the NFS-60 cell line.	Tiwari K., Wavdhane M., Haque S., Govender T., Kruger H. G., Mishra M. K., Chandra R., Tiwari D	Pharm Biol.	1388-0209
7	All solid state, high performance supercapacitor using Zinc Manganite embedded Graphene nanoribbons	R.K. Sharma, G. Singh, P. Ahuja,	Journal of Materials Chemistry 'A'	2050-7488
8	Ultra high performance Supercapacitor from Lacey Reduced Graphene Oxide Nanoribbons	V. Sahu, S. Shekhar, RK Sharma, G Singh	ACS Applied Materials and Interfaces	1944-8244

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9	High performance, all solid state, flexible supercapacitor based on ionic liquid functionalized graphene	S.K. Ujjain, V. Sahu, R.K. Sharma, G Singh	Electrochimica Acta	0013-4686
10	Synthesis, Electronic and Optical Properties of Cobalt (II) Dithiocarbamate Fluorescent Nanowires for Optoelectronic Devices	SK Ujjain, P. Ahuja, RK Sharma, G Singh	International Journal of Chemistry	1916-9698
11	Heavily nitrogen doped, graphene supercapacitor from silk cocoon	V. Sahu, S Grover, B. Tulachan, M. Sharma, G Srivastava, Gurmeet Singh, Raj Kishore Sharma	Electrochimica Acta	0013-4686
12	Co ₃ O ₄ @Reduced Graphene Oxide Nanoribbon for high performance Asymmetric Supercapacitor	Sanjeev Kumar Ujjain, Gurmeet Singh, Raj Kishore Sharma	Electrochimica Acta	0013-4686
13	Asymmetric Supercapacitive Characteristics of Pani Embedded Holey Graphene Nanoribbons	Raj Kishore Sharma, Sonia Grover, Vikrant Sahu, Shubhra Goel, Gurmeet Singh	ACS Sustainable Chem. Eng.	2168-0485
14	Silver(I) complexes as efficient source for silver oxide nanoparticles with catalytic activity in A ₃ coupling reactions	Manoj Trivedi, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath	Inorg. Chim. Acta	0020-1693
15	1,1'-bis(di-tert-butylphosphino) ferrocene copper(I) complex catalyzed C-H activation and carboxylation of terminal alkynes	M. Trivedi, G. Singh, A. Kumar, N.P. Rath	Dalton Transactions	1477-9226
16	Zinc Oxide Nanoring Embedded Lacey Graphene Nanoribbons in Symmetric/Asymmetric Electrochemical Capacitive Energy Storage	V Sahu, S Goel, RK Sharma, G Singh.	Nanoscale	2040-3372

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17	Cobalt Dithiocarbamate Coordination Polymeric Nanoparticles: Morphology Dependent Magnetic and Antimicrobial Properties	SK Ujjain, P Ahuja, R Bhatia, M Sharma, RK Sharma, G Singh	Journal of nanoscience and nanotechnology	1533-4880
18	Gallic acid: a versatile antioxidant with promising therapeutic and industrial applications	Badhani, Bharti; Sharma, Neha; Kakkar, Rita	RSC Adv.	2046-2069
19	Assessment of molecular binding of Hoechst 33258 analogues into DNA using docking and MM/GBSA approach	Upasana Issar, Tripti Kumari & Rita Kakkar	J. Comput. Sci.	1877-7503
20	Adsorption of sarin on MgO nanotubes: Role of doped and defect sites	Neha Sharma & Rita Kakkar	J. Comput. Sci.	1877-7503
21	A novel method of reduction of C=N group in hydrazones, phenylhydrazones, azines and tosyl hydrazones with Mg-methanol	J. M. Khurana, B.M. Khandpal, P. Sharma and M. Gupta	Monatshefte für Chemie	0026-9247
22	Efficient synthesis of spiro[diindenopyridine-indoline]triones catalysed by PEGOSO ₃ H-H ₂ O and [NMP]H ₂ PO ₄	Jayant Sindhu, Harjinder Singh, J. M. Khurana	Synthetic Communications	1532-2432
23	Multicomponent domino process for the synthesis of some novel (Z)-5-arylidene-3-((1-aryl-1H-1,2,3-triazol-4-yl)methyl)thiazolidine-2,4-diones using PEG-400 as an efficient and green media and their antimicrobial evaluation	Jayant Sindhu, Harjinder Singh, J. M. Khurana	Chinese Chemical Letters	1001-8417
24	X-ray diffraction, spectroscopic characterization and quantum chemical calculations by DFT and HF of novel 2-hydroxy-12-(4-hydroxyphenyl)-9,9-dimethyl-9,10-dihydro-8H-benzo[<i>a</i>]xanthene-11-one	Komal Aggarwal and J. M. Khurana	Journal of Molecular Structure	0022-2860

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25	A simple, mild and environmentally Benign Procedure for the Cleavage of Carbon-Nitrogen double bonds using NaBrO ₃ in the presence of [Bmim]HSO ₄	Anshika Lumb, Rajeswari M. and J. M. Khurana	RSC Advances	2046-2069
26	Synthesis, photophysical studies, solvatochromic analysis and TDDFT calculations of Diazaspiro compounds	Komal Aggarwal and J.M. Khurana	Spectrochimica Acta Part A	1386-1425
27	Indeno-furan based colorimetric and on-off fluorescent pH sensors	Komal Aggarwal and J.M. Khurana	Journal of Photochemistry and Photobiology A: Chemistry	1010-6030
28	Synthesis of novel fluorescence xanthene-aminoquinoline conjugates, determination of dipole moment and selective fluorescence chemosensor for Th ⁺⁴ ions	Harjinder Singh, Jayant Sindhu and J.M. Khurana	Optical Materials	0925-3467
29	Chemoselective deprotection and deprotection with concomitant reduction on 1,3-dioxolanes, acetals and ketals using nickel boride	J. M. Khurana, Kiran dawra and Purnima Sharma	RSC Advances	2046-2069
30	An efficient, green synthesis of novel regioselective and stereoselective indan-1,3-diones grafted spirooxindolopyrrolizidines linked 1,2,3-triazoles via one-pot five-component using PEG-400	M. Rajeswari, Jayant Sindhu, Harjinder Singh and J. M. Khurana	RSC Advances	2046-2069
31	1,8-diazabicyclo[5.4.0] undec-7-ene (DBU): a versatile catalyst in organic synthesis	Bhaskara Nand, Garima Khanna, Ankita Chaudhary, Anshika Lumb and J. M. Khurana	Current Organic Chemistry	1875-5348
32	<i>Cinnamomum tamala</i> leaf extract mediated green synthesis of silver nanoparticles: competent catalyst for the synthesis of pyranopyrazole	Sneha Yadav and J. M. Khurana	Chinese Journal of Catalysis	1872-2067

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33	Multicomponent synthesis of some benzo, pyrido and pyrazolo fused heterocycles using [NMP]H ₂ PO ₄ as an efficient reaction medium	Sudesh Kumari and J. M. Khurana	Indian Journal of Heterocyclic Chemistry	0971-1627
34	An efficient and confluent approach for the synthesis of novel-3,4-dihydro-2 <i>H</i> -naphtho[2,3- <i>e</i>][1,3]oxazine-5,10-dione derivatives by a three component reaction in ionic liquid	Garima Khanna, Komal Aggarwal and J. M. Khurana	RSC Advances	2046-2069
35	Multicomponent domino process for the synthesis of some novel benzo[<i>a</i>]chromeno phenazine fused ring systems using H ₂ SO ₄ , phosphotungstic acid and [NMP]H ₂ PO ₄	Rajeswari M., Garima Khanna, Ankita Chaudhary and J. M. Khurana	Synthetic Communications	1532-2432
36	An efficient green approach for the synthesis of spiro[indoline-3,4'-pyrazolo[3,4- <i>b</i>]quinoline]diones using [NMP]H ₂ PO ₄ and their photophysical studies	Sudesh Kumari, Jayant Sindhu and J.M. Khurana	Synthetic Communications	1532-2432
37	Phenazine containing indeno-furan based colorimetric and "On-Off" fluorescent sensor for the detection of Cu ²⁺ and Pb ²⁺	Komal Aggarwal and J.M. Khurana	Journal of Luminescence	0022-2313
38	Synthesis and photophysical properties of novel chloroquinoline based chalconederivatescontaining1,2,3-triazolemoiety	Harjinder Singh, Jayant Sindhu and J. M. Khurana	Journal of Luminescence	0022-2313
39	Synthesis and characterization of hybrid chloroquinoline-xanthene derivatives	Bhaskara Nand, Ankita Chaudhary, Anshika Lumb and J. M. Khurana	Cogent Chemistry	2331-2009
40	Maghemite-Copper Nanocomposites: Applications for Ligand-Free Cross-Coupling (C–O, C–S, and C–N) Reactions	R.K. Sharma, R. Gaur, M. Yadav, A. K. Rathi, J. Pechousek, M. Petr, R. Zboril and M. B. Gawande	ChemCatChem	1867-3880

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41	A highly efficient and recyclable silica supported organic-inorganic hybrid copper catalyst: Preparation, characterization and catalytic application in oxidative homocoupling of terminal alkynes	R.K. Sharma, M. Mishra and S. Sharma	International Journal of Chemistry	1916-9698
42	Silica-nanosphere-based organic-inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis	R.K. Sharma, S. Sharma, S. Dutta, R. Zboril and M.B. Gawande	Green Chemistry	1463-9262
43	A highly efficient and magnetically retrievable functionalized nano-adsorbent for ultrasonication assisted rapid and selective extraction of Pd ²⁺ ions from water samples,	R.K. Sharma, H. Kumar and A. Kumar	RSC Advances	2046-2069
44	Magnetically retrievable silica-based nickel nanocatalyst for Suzuki-Miyaura cross-coupling reaction	R.K. Sharma, M. Yadav, R. Gaur, Y. Monga and A. Adholeya	Catalysis Science and Technology	2044-4753
45	Silica-decorated Magnetic Nanocomposites for Catalytic Applications	M.B. Gawande, Y. Monga, R. Zaboril and R.K. Sharma	Coordination Chemistry Reviews	0010-8545
46	Quinoline-2-carboimine copper complex immobilized on amine functionalized silica coated magnetite nanoparticles: a novel and magnetically retrievable catalyst for the synthesis of carbamates via C-H activation of formamides	R.K. Sharma, S. Dutta and S. Sharma	Dalton Transactions	1477-9226
47	The Competence of 7,8-Diacetoxy-4-Methylcoumarin and Other Polyphenolic Acetates in Mitigating the Oxidative Stress and their Role in Angiogenesis	R Joshi, S Arora, A Kumar, S Manral, V Rohil, S Goel, N Priya, P Singh, P Ponnann, S Chatterji, BS Dwarakanath, D Saluja, DS Rawat, AK Prasad, L Saso, E Kohli, AL DePass, ME Bracke, VS Parmar, HG Raj	Current Topics in Medicinal Chemistry	1873-4294

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48	Anti-Inflammatory and Antioxidant Properties of Piper Species: A Perspective from Screening to Molecular Mechanisms	S Kumar, S Malhotra, AK Prasad, EV Eycken, ME Bracke, WG Stetler-Stevenson, VS Parmar, B Ghosh	Current Topics in Medicinal Chemistry	1873-4294
49	Inhibition of Alzheimer's BACE-1 by 2,6-Dialkyl-4-chromon-3-yl-1,4-dihydropyridin-3,5-dicarboxylates	N Aggarwal, S Srivastava, VS Parmar, AK Prasad, R Miri, L Saso, O Firuzi	Med. Chem. Res.	1554-8120
50	Self-assembly, photoresponsive behavior and transport potential of azobenzene grafted dendronized polymeric amphiphiles	M. Kumari, M. Billamboz, E. Leonard, C. Len, C. Bottcher, AK Prasad, R. Haag, SK Sharma	RSC Advances	2046-2069
51	Highly Selective Biocatalytic Transesterification Reactions on Aryl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoates	G. Kumar, A. Dhawan, BK Singh, NK Sharma, SK Sharma, AK Prasad, EV Eyken, C. Len, AC Watterson, VS Parmar	Catalysis Letters	1572-879X
52	Mild and efficient palladium/BrettPhos-catalyzed methoxylation and deuteriomethoxylation of activated aryl bromides	TM Rangarajan, R. Brahma, Ayushee, AK Prasad, AK Verma and RP Singh	Tetrahedron Letters	0040-4039
53	An Astute Synthesis of Locked Nucleic Acid Monomers	VK Sharma, P Rungta, V Maikhuri, AK Prasad	Sustainable Chemical Processes	2043-7129
54	Nucleic Acid Based Therapeutics: Harnessing the Specificity	VK Sharma, P Mangla, P Rungta, AK Prasad	Research Journal of Contemporary Concerns	0972-7922
55	Facile Access to 5'-S-(4,4'-Dimethoxytrityl)-2',5'-Dideoxyribo-nucleosides via Stable Disulfide Intermediates	CSL Reddy, VK Sharma, R. Kumar, A. Singh, VS Parmar, AK Prasad	Current protocols in Nucleic Acid Chemistry	#####
56	Synthesis of potential bioactive novel 7-[2-hydroxy-3-(1,2,3-triazol-1-yl)propyloxy]-3-alkyl-4-methylcoumarins	A Arya, V Kumar, D Mathur, S Singh, R Brahma, RP Singh, S Singh, GL Sharma, VS Parmar and AK Prasad	J. Het. Chem.	1943-5193
57	Design and Synthesis of Triazole-Linked xylo-Nucleoside Dimers	S Srivastava, SK Singh, VK Sharma, P Mangala and AK Prasad	Nucleosides, Nucleotides and Nucleic Acids	1532-2335

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58	Cu(I)-Catalyzed Efficient Synthesis of 2'-Triazolo-nucleoside Conjugates	D Mathur, N Rana, CE Olsen, VS Parmar and AK Prasad	J. Het. Chem	1943-5193
59	Biocatalytic route to C-3'-azido/-hydroxy-C-4'-spiro-oxetanoribo-nucleosides.	M. Kumar, VK Sharma, R. Kumar, AK Prasad.	Carbohydrate Research	0008-6215
60	Gapmer Oligonucleotides: Sugar-modified Wings to Antisense Therapeutics	P Rungta, P Mangla, VK Sharma, SK Singh, A Chauhan, DT Masram, NN Senapati, AK Prasad	Trends Carbo. Res.	0975-0304
61	A general, mild and efficient palladium-catalyzed 2,2,2-trifluoroethoxylation of activated aryl bromides and bromo-chalcones: bromo-chalcones a new coupling partner in cross-coupling reaction	T. Rangarajan, K. Devi, Ayushee, AK Prasad, RP Singh	Tetrahedron	0040-4020
62	Synthesis of β -C-Glycopyranosyl Aldehydes and 2,6-Anhydro-heptitols	V Khatri, A Kumar, B Singh, S Malhotra, AK Prasad	J. Org. Chem.	1875-5348
63	Differential structural status of the RNA counterpart of an undecamer quasi- palindromic DNA sequence present in LCR of human β -globin gene cluster	M. Kaushik and S. Kukreti	Journal of Biomolecular Structure and Dynamics	0739-1102
64	Comparative In Vitro Binding Studies of $TiCl_2(dpme)_2$, $Ti(ada)_2(bzac)_2$, and $TiCl_2(bzac)(bpme)$ Titanium Complexes with Calf-Thymus DNA	P. Awasthi, N. Kumar, R. Kaushal, M. Kumar, and S. Kukreti	Biochemistry Research International	1687-6717
65	Influence of Uncompensated Solution Resistance on Diffusion Limites Chronocoulometric Response at Rough Electrode	S. Srivastav and R. Kant	Electrochimica Acta.	0013-4686
66	Curvature -Induced Anomalous Enhancement in the Work Function on Nanostructures	J. Kaur and R. Kant	J. Phys. Chem. Lett.,	1948-7185
67	Dynamics of Generalized Gaussian Polymeric Structures in Random Layered Flows,	D. Katyal and R. Kant	Phys. Rev. E.,	1539-3755

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68	Anomalous Localization of Electrochemical Activity in Reversible Charge Transfer at Weierstrass Fractal Electrode: Local Electrochemical Impedance Spectroscopy	R. Kant, S. Dhillon and R. Kumar	J. Phys. Chem. B,	1520-6106
69	Generalization of Randles-Ershler Admittance for Arbitrary Topography Electrode: Application to Random Finite Fractal Roughness	R. Kant and M. Birla Singh	Electrochimica Acta.	0013-4686
70	Hydromagnesite rectangular thin sheets as efficient heterogeneous catalysts for the synthesis of novel 3-substituted indoles <i>via</i> Yonemitsu-type condensation in water	U. Chinna Rajesh, V. Satya Pavan, Diwan S. Rawat*	ACS Sustainable Chem. Eng.	2168-0485
71	Cu(0)@Al ₂ O ₃ /SiO ₂ NPs: Efficient reusable catalyst for the cross coupling reactions of aryl chlorides with amines and anilines	P. Linga Reddy, R. Arundhathi, Diwan S. Rawat*	RSC Adv,	2046-2069
72	N-Terminal aromatic tag induced self assembly of tryptophan-arginine rich ultra short sequences and their potent antibacterial activity	Seema Joshi, Rikeshwer Prasad Dewangan, Mohammad Shahar Yar, Diwan S. Rawat, Santosh Pasha	RSC Adv,	2046-2069
73	Facile construction of 3-indolochromenes and 3-indoloxanthenes via EDDF catalyzed one-pot three component reactions	Anuj Thakur, P. Linga Reddy, Mohit Tripathi, Diwan S. Rawat*	New J. Chem.	1144-0546
74	Facile one-pot synthesis of N-heterocycles using CuI/CSP composites as efficient recyclable nanocatalysts with anomalous selectivity under green conditions	U. Chinna Rajesh, Gunjan Purohit, Diwan S. Rawat*	ACS Sustainable Chem. Eng.	2168-0485
75	The current anti-TB agents and the challenges ahead.	Deepak Kumar, Beena Negi, Diwan S. Rawat*	Fut. Med. Chem.	1756-8927
76	Highly active 4-aminoquinoline-pyrimidine based molecular hybrids as potential next generation antimalarial agents	Sunny Manohar, V. Satya Pavan, Dale Taylor, Deepak Kumar, Prija Ponnann, Lubbe Wiesner, Diwan S. Rawat*	RSC Adv	2046-2069

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77	Synthesis and characterization of theophylline-triazole and theophylline-triazole-coumarin based molecular hybrids	Penny Joshi, Diwan S. Rawat*	Ind. J. Het. Chem.	9711627
78	Antibacterial and antioxidant activity evaluation of novel symmetrical and unsymmetrical C5-curcuminoids	Sunny Manohar, Anuj Thakur, Rohit Bhatia, Suresh Walia, Prija Ponnann, Diwan S. Rawat,*	Ind J. Chem Sec B,	0376-4699
79	4-Aminoquinoline-pyrimidine-aminoalkanols: Synthesis, <i>in vitro</i> antimalarial activity, docking studies and ADME predictions,	Mohit Tripathi, Shabana I. Khan, Anuj Thakur, Prija Ponnann, Diwan S. Rawat *	New J. Chem.	1144-0546
80	[TBA][Gly] ionic liquid promoted multi-component synthesis of 3-substituted indoles and indolyl-4 <i>H</i> -chromenes	U. Chinna Rajesh, Rohit Kholiya, Anuj Thakur, Diwan S. Rawat	Tetrahedron Lett.	0040-4039
81	Novel isoniazid-amidoether derivatives: Synthesis, characterization and antimycobacterial activity evaluation	Deepak Kumar, Garima Khare, Beena, Saqib Kidwai, Anil K. Tyagi, Ramandeep Singh, Diwan S. Rawat *	Med. Chem. Commun.	2040-2511
82	RGO/ZnO nanocomposite: An efficient sustainable heterogeneous amphiphilic catalyst for the synthesis of 3-substituted indoles in water	U. Chinna Rajesh, Jinfeng Wang, Stuart Prescott, Takuya Tsuzuki, Diwan S. Rawat*	. ACS Sustainable Chem. Eng.	2168-0485
83	C5-curcuminoid-4-aminoquinoline based molecular hybrids: Design, synthesis and mechanistic investigation of anticancer activity	Shamseer K. Kandi, Sunny Manohar, Christian E. Vélez Gerena, Beatriz Zayas, Sanjay V. Malhotra, Diwan S. Rawat	New J. Chem.	1144-0546
84	4-Aminoquinoline-pyrimidine hybrids: Synthesis, antimalarial activity, heme binding and docking studies	Deepak Kumar, Shabana I. Khan, Prija Poonan, Diwan S. Rawat	Eur. J. Med Chem.	0223-5234
85	Insights into activity enhancement of 4-aminoquinoline based hybrids using atom-based and field-based QSAR Studies	K. Kranthi Raj, Sunny Manohar, Venkateswara Rao Talluri, Diwan S. Rawat	Med. Chem. Res.	1054-2523

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86	The competence of 7, 8-diacetoxy-4-methylcoumarin and other polyphenolic acetates in mitigating the oxidative stress and their role in angiogenesis	Rini Joshi, Vishwajeet Rohil, Shvetambri Arora, Diwan S. Rawat, H. G. Raj et al	Curr. Topics Med. Chem.	1873-4294
87	Synthesis and Sensing Applications of Fluorescent 3-Cinnamoyl Coumarins.	P Yadav, HS Gill, K Chand, Lian Li, J Kumar, SK Sharma	Sensors	1424-8220
88	Encapsulation and cellular internalization of cyanine dye using amphiphilic dendronized polymers.	S Kumar, K Achazi, C Böttcher, K Licha, R Haag, SK Sharma	Eur. Polymer Journal	0014-3057
89	Self-assembly, Photoresponsive Behavior and Transport Potential of Azobenzene Grafted Dendronized Polymeric Amphiphiles.	M Kumari, M Billamboz, E Leonard, C Len, C Böttcher, AK Prasad, R Haag, SK Sharma	RSC Adv.	2046-2069
90	Quaternary Ammonium and Amido Derivatives of Pyranochromenones and Chromenones: Synthesis and Antimicrobial Activity Evaluation.	S Prasad, S Kumar, B Kumar, AK Singh, HK Gautam, SK Sharma	Med. Chem. Res.	1554-8120
91	Catalyst-controlled <i>exo/endo</i> selectivity in a post-Ugi intramolecular hydroarylation: synthesis of pyrrolopyridinones, pyrroloazepinones and benzothienopyridines	Z Li, A Kumar, SK Sharma, VS Parmar, EV Van der Eycken	Tetrahedron	0040-4020
92	Diversely Substituted Indoloazepinones and Indoloazocinones: A Post-Ugi Gold-Catalyzed Regioselective Carbocyclization Approach.	DD Vachhani, A Kumar, SG Modha, SK Sharma, VS Parmar, EV Van der Eycken	Synthesis	0039-7881
93	Transesterification Reactions on: Aryl 3-Hydroxy-2-(hydroxymethyl)-2-methylpropanoates.	G Kumar, A Dhawan, BK Singh, NK Sharma, SK Sharma, AK Prasad, EV Van der Eycken, C Len, AC Watterson, VS Parmar	Catalysis Letters	1572-879X
94	Synthesis, Antiproliferative, and c-Src Kinase Inhibitory Activities of Chromone Derivatives.	K Chand, RK Tiwari, S Kumar, AN Shirazi, EV Van der Eycken, VS Parmar, K Parang, SK Sharma	J. Het. Chem.	1943-5193

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95	Dendronized Multifunctional Amphiphilic Polymers as Efficient Nanocarriers for Biomedical Applications.	M Kumari, S Gupta, K Achazi, C Böttcher, J Khandare, SK Sharma, R Haag	Macromol. Rapid Commun.	1521-3927
96	The interaction of the (7-chloroquinolin-4-yl)-(2,5-dimethoxyphenyl)-aminehydrochloridedihydrate with serum albumin proteins, inputs from spectroscopic, molecular docking and X-ray diffraction studies.	Shailja Singh, Kumkum Sharma, Satish K. Awasthi	RSC Advances	2046-2069
97	Design and synthesis of s-triazene based asymmetric organocatalyst and its application in enantioselective alkylation	Shrawan K. Mangawa, Ashawani K. Singha and Satish K. Awasthi	RSC Advances	2046-2069
98	A pyrene-based optical probe capable of molecular computation using chemical input strings	M. Chhatwal, A. Kumar, R. D. Gupta, Satish K. Awasthi	RSC Advances	2046-2069
99	Expedient and efficient one pot synthesis of trifluoroethyl ethers from metal free 2,4,6-tris-(2,2,2-trifluoro-ethoxy)-[1,3,5] triazene.	S. K. Mangawa, C. Sharma, A.K. Singh, Satish k. Awasthi	RSC Advances	2046-2069
100	Fluorescent probe 7-(prop-2-yn-1-yloxy)-2H-chromen-2-one): Experimental and DFT based approach to photophysical properties,	N. Yadav, S. Singh, S. K. Mangawa, S. K. Dixit, U. Gupta, Y. Khajuriya, Satish K. Awasthi	Molecular and Biomolecular Spectroscopy	1386-1425
101	s-Triazene based fluorous coupling reagent for direct amide synthesis	S. K Mangawa, S. K Bagh, K. Sharma, Satish K. Awasthi	Teterahderon Letter	0040-4039
102	Ru(II)-polypyridyl complexes grafted silica nanohybrids: Versatile hybrid materials for Raman spectroscopy and photocatalytic activity	N. Vilvamani, R Gupta, Satish K Awasthi	RSC Advances	2046-2069
103	Synthetic application of gold nanoparticles and auric chloride for the synthesis of 5-substituted 1-H tetrazoles	Satyanand Kumar, Arvind Kumar , Alka Agarwal, Satish K Awasthi	RSC Advances	2046-2069

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104	A Chromogenic Homo-Dinuclear Ruthenium(II) Monolayer as a Tunable Molecular Memory Module for Multibit Information Storage	Anup Kumar, Megha Chhatwal, Domenico Cristaldi, Satish K. Awasthi, Rinkoo Gupta, Antonino Gulino	J. Phy. Chem. C	1932-7455
105	In vitro synergistic effect of fluoroquinolone analogs in combination with artemisinin against Plasmodium falciparum; their antiplasmodial action in rodent malaria model.	Drishti Agarwal, Manish Sharma, Sandeep K Dixit, Roshan K Dutta, Ashok K Singh, Rinkoo D Gupta, Satish K Awasthi	Malaria Journal	1475-2875
106	Chemically-driven “molecular processor” based on osmium chromophore with resettable multiple readout	Anup Kumar, Megha Chhatwal, Rinkoo D. Gupta, Satish K. Awasthi	RSC Advances	2046-2069
107	Addressing of multiple-metal ions on a single platform	Megha Chhatwal, Vikram Singh, Anup Kumar, R D Gupta, Satish K Awasthi	Cordination Chemistry	0010-8545
108	Asymmetrical Metalloligands Based {Co ³⁺ -Cd ²⁺ } and {Co ³⁺ -Ag ⁺ } Coordination Polymers: Syntheses and Characterization	G. Kumar, G. Kumar, Rajeev Gupta	Inorganica Chimica Acta	2242336
109	A Metalloligand Appended with Thiazole Rings: {Co ³⁺ -Zn ²⁺ } and {Co ³⁺ -Cd ²⁺ } Heterometallic Complexes and Their Heterogeneous Catalytic Applications	D. Bansal, G. Hundal, Rajeev Gupta	European Journal of Inorganic Chemistry	1434-1948
110	Pd(II) Complexes with Amide-based Macrocycles: Syntheses, Properties and Applications in Cross-coupling Reactions	S. Kumar, R. R. Jha, S. Yadav, Rajeev Gupta	New Journal of Chemistry	1144-0546
111	Manganese Complexes of Pyrrole- and Indolecarboxamide Ligands: Synthesis, Structure, Electrochemistry, and Applications in Oxidative and Lewis-Acid-Assisted Catalysis	S. Yadav, S. Kumar, Rajeev Gupta	European Journal of Inorganic Chemistry	1434-1948
112	Heterometallic Coordination Polymers: Syntheses, Structures and Heterogeneous Catalytic Applications	D. Bansal, S. Pandey, G. Hundal, Rajeev Gupta	New Journal of Chemistry	1144-0546

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113	Probing the Mechanism of Florescence Quenching of QDs by Co(III)-Complexes: Size of QD and Nature of the Complex Both Dictate Energy and Electron Transfer Processes	A. Pal, S. Srivastava, P. Saini, S. Raina, P. P. Ingole, Rajeev Gupta, S. Sapra	Journal of Physical Chemistry	1089-5639
114	Probing the Mechanism of Florescence Quenching of QDs by Co(III)-Complexes: Size of QD and Nature of the Complex Both Dictate Energy and Electron Transfer Processes	A. Pal, S. Srivastava, P. Saini, S. Raina, P. P. Ingole, Rajeev Gupta, S. Sapra	Journal of Physical Chemistry	1089-5639
115	Arene-based Fluorescent Probes for the Selective Detection of Iron	P. Kumar, V. Kumar, Rajeev Gupta	RSC Advances	1865-7109
116	Trinuclear {Co ²⁺ -M ³⁺ -Co ²⁺ } Complexes Catalyze Reduction of Nitro Compounds	. Srivastava, M. S. Dagur, A. Ali, Rajeev Gupta	Dalton Transactions	1477-9226
117	Manganese and Cobalt Based Coordination Networks as the Promising Heterogeneous Catalysts for Olefin Epoxidation Reactions	G. Kumar, G. Kumar, Rajeev Gupta	Inorganic Chemistry	0020-1669
118	Three-dimensional Heterometallic Coordination Networks: Syntheses, Crystal Structures, Topologies and Heterogeneous Catalysis	S. Srivastava, H. Aggarwal, Rajeev Gupta	Crystal Growth & Design	1528-7483
119	Nickel and copper complexes of a pyridyl-appended tetra-amide ligand: Syntheses and characterization	D. Bansal, Rajeev Gupta	Journal of Indian Chemical Society	194522
120	Ionic and Neutral Half-Sandwich Guanidinatoruthenium(II) Complexes and Their Solution Behavior	Kishan, Ram; Kumar, Robin; Baskaran, Sambath; Sivasankar, Chinnappan; Thirupathi, Natesan	European Journal of Inorganic Chemistry	1099-0682
121	Reactions of Cd(OAc) ₂ ·2H ₂ O with variously substituted pyridines. Efforts to unravel the factors that determine structure/nuclearity of the products	Saxena, Priya; Thirupathi, Natesan	Polyhedron	0277-5387

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122	pH-dependent immobilization of urease on glutathione-capped gold nanoparticles	Seema Garg, Arnab De and Subho Mozumdar	Journal of Biomedical Materials Research – Part A	15493296
123	Efficient and reusable ionic liquid stabilized magnetic cobalt nanoparticles as catalysts for aza- and thia-Michael reactions	Manika Dewan, Arnab De and Subho Mozumdar	Inorganic Chemistry Communications 53	1387-7003
124	Ambient temperature synthesis of β,β' -fused nickel(II) pyrrolo[1,2-a]pyrazinoporphyrins via a DBSA-catalyzed Pictet–Spengler approach	Dileep Kumar Singh and Mahendra Nath	Org. Biomol. Chem.	1477-0539
125	An eco-friendly Pictet–Spengler approach to pyrrolo- and indolo[1,2-a]quinoxalines using pdodecylbenzenesulfonic acid as an efficient Brønsted acid catalyst	Amreeta Preetam and Mahendra Nath	RSC Advances	2046-2069
126	Facile one-pot synthesis of oxo-xanthenes under microwave irradiation	Amreeta Preetam, Davinder Prasad, Jatin K. Sharma and Mahendra Nath	Current Microwave Chemistry	2213-3364
127	Synthesis and antibacterial evaluation of novel sulfonamide based [1,2,3]-triazoles	Neha Batra, Basabi Roy, Sibnath Mazumder and Mahendra Nath	Indian J. Chem.,	0975-0983
128	meso-Phenyl-triazole bridged porphyrin-coumarin dyads: Synthesis, characterization and photophysical properties	Dileep Kumar Singh and Mahendra Nath	Dyes and Pigments	0143-7208
129	Synthesis of 2-nitro-3-(pyrrol-1-yl)-5,10,15,20-tetraarylporphyrins via a Clauson-Kaas reaction and the study of their electronic properties	Raju Tiwari and Mahendra Nath	New J. Chem.	1369-9261
130	Synthesis and spectroscopic properties of β -triazoloporphyrin-xanthone dyads	Dileep Kumar Singh and Mahendra Nath	Beilstein J. Org. Chem.	1860-5397
131	Synthesis and photophysical properties of β -triazole bridged porphyrin-coumarin dyads	Dileep Kumar Singh and Mahendra Nath	RSC Advances	2046-2069

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132	Diffusion of hydration water around intrinsically disordered proteins	P. Rani and P. Biswas	J. Phys. Chem. B	1520-5207
133	Conformational entropy of intrinsically disordered proteins from amino acid triads	A. Baruah, P. Rani and P. Biswas	Sci. Rep.	2045-2322
134	Designing pH induced fold switch in proteins	A. Baruah and P. Biswas	J. Chem. Phys.	1089-7690
135	Effect of excluded volume on the rheology and transport dynamics of randomly hyperbranched polymers	G. J. Rai, A. Kumar and P. Biswas	J. Chem. Phys	1089-7690
136	Local structure and dynamics of hydration water in intrinsically disordered proteins	P. Rani and P. Biswas	J. Phys. Chem. B	1520-5207
137	A Sequential logic gate-based "Smart Probe" for selective monitoring of Cu ²⁺ , Fe ³⁺ and CN ⁻ /F ⁻ via differential analyses	Singh, A. K.; Nagarajan, R	Dalton Transactions	1477-9226
138	A light/pH/multiple ion-driven smart switchable module for computing sequential logic operations via a resettable dual optical readout	Singh, A. K.; Yadav, P. K.; Kumari, N.; Nagarajan, R.; Mishra, L.	J.Mater.Chem C	2050-7526
139	Efficient adsorption of Malachite Green and Congo Red dyes by the surfactant (DS) intercalated layered hydroxide Containing Zn ²⁺ and Y ³⁺ -ions.	Chakraborty, P.; Nagarajan, R.	Applied Clay Science	0169-1317
140	Synthesis and characterization of hydrotalcite type structure containing Zn ²⁺ and La ³⁺ -Ions.	Singh, P.; Nagarajan R	Materials Letters	0167-577X
141	Synthesis of zinc blende CuInS ₂ and Fe substituted CuInS ₂ by the reaction of binary colloids.	Gusain, M.; Kumar, P.; Uma, S.; Nagarajan, R.	Colloid Surface A	0021-9797
142	Synthesis of RbREF ₄ (RE = Pr, Nd, Sm, Eu, and Tb) and RbRE ₂ F ₇ (Dy, Ho, Er and Yb) under non-aqueous conditions.	Tripathi, V. K.; Saroj, S. K.; Nagarajan, R	J.Flourine Chemsitry	0022-1139

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143	Facile synthesis and optical properties of pure and Ni ²⁺ , Co ²⁺ , Bi ³⁺ , Sb ³⁺ substituted Cu ₃ SnS ₄ .	Gusain, M.; Rawat, P.; Nagarajan, R.	RSC Adv.	2046-2069
144	Influence of reaction conditions for the fabrication of Cu ₂ SnS ₃ and Cu ₃ SnS ₄ in ethyleneglycol.	Gusain, M.; Rawat, P.; Nagarajan, R.	Materials Research Express	2053-1591
145	Facile Green synthesis of Zn(OH)F from the single source precursor KZnF ₃ .	Ahmad, S.; Rawat, P.; Nagarajan, R.	Materials Letters	0167-577X
146	Interesting cationic (Li ⁺ /Fe ³⁺ /Te ⁶⁺) variations in new rocksalt ordered structures	Gupta A., Uma S	J. Chem. Sci.,	0973-7103
147	Synthesis and crystal structure of Bi ₆ (Bi _{0.5} Cu _{0.5})V ₂ O _{15+y}	Gupta A., Uma S	J. Solid State Chem.	0022-4596
148	Synthesis of zinc blende CuInS ₂ and Fe-substituted CuInS ₂ by the reaction of binary colloids	Gusain M., Kumar P., Uma S., Nagarajan R	Colloids Surf. A	0927-7757
149	Monoclinically distorted perovskites, A ₂ ZnTiO ₆ (A=Pr, Gd): Rietveld refinement, and dielectric studies	Nibedita Das, Masood A. Nath, M.Thirumal, A.K.Ganguli.	J. Solid State Chem.,	0022-4596
150	Picolinic acid based acyclic bifunctional chelating agent and its methionine conjugate as potential SPECT imaging agents: syntheses and preclinical evaluation	Kadiyala, K. Ganesh; Tyagi, Tulika; Kakkar, Dipti; Chadha, Nidhi; Chuttani, Krishna; Roy, Bal Gangadhar; Thirumal, Meganathan; Mishra, Anil K.; Datta, Anupama	RSC Advances	2046-2069
151	Metal Based Imaging Probes of DO3A-Act-Met for LATI Mediated Methionine specific Tumors: Synthesis and Preclinical Evaluation	K.Ganesh Kadiyala, anupama Datta, Jyoti Tanwar, Anupriya Adhikari, B.S.Hemanth Kumar, Krishna Chuttani, Meganathan Thirumal, Anil K.Mishra	Pharm. Res.	0724-8741

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152	Pd (II)-Catalyzed C-H activation of styrylindoles: short, efficient and regioselective synthesis of functionalized carbazoles	Rakesh K. Saunthwal, Monika Patel, Sonu Kumar, Abhinandan K. Danodia and Akhilesh K. Verma,*	Chem. Eur. J.	1521-3765
153	"Tandem Approach to Benzothieno, and Benzofuropyridines from o-Alkynyl Aldehydes via Silver-Catalyzed 6-endo-dig Ring Closure"	Sonu Kumar, Carlos Cruz, Shilpi Pal, Rakesh K. Saunthwal,† Rakesh K. Tiwari, Eusebio Juaristi, and Akhilesh K. Verma	J. Org. Chem.	0022-3263
154	"(1H-benzo[d][1,2,3]triazol-1-yl)methanol: An Efficient Bidentate Ligand for Copper Catalyzed S-Arylation of Thiols"	Rajeev Ranjan Jha, Deepak Choudhary and Akhilesh K. Verma*	Ind. J. Het. Chem.	0971-1627
155	Design, Synthesis, and Biological Evaluation of 1,2-Dihydroisoquinolines as HIV-1 Integrase Inhibitors	Vibha Tandon; Urvashi; Pooja Yadav; Souvik Sur; Sheenu Abbat; Vinod Tiwari; Raymond Hewer; Maria Papathanasopoulos; Rameez Raja; Akhil Banerjea; Akhilesh K. Verma, Shrikant Kukreti; Prasad V. Bharatam	ACS Medicinal Chem. Lett.	1948-5875
156	"Palladium-Catalyzed Triple Successive C-H Functionalization: Direct Synthesis of Functionalized Carbazoles from Indoles	Akhilesh K. Verma,* Abhinandan K. Danodia, Rakesh K. Saunthwal, Monika Patel, and Deepak Choudhary	Org. Lett	1523-7060
157	"Nu-Addition vs S _N Ar study: Chemo-, regio- and stereoselective preferential hydrothiolation of haloarylalkynes over S-arylation of aryl halides"	Monika Patel, Rakesh K. Saunthwal, Devendra K. Dhaked, Prasad V. Bharatam and Akhilesh K. Verma,	Asian J. Org. Chem	2193-5815
158	"Rhodium(III)-catalyzed double C-H activation: A straightforward approach to fused imidazo[1,2-a]pyridines from internal alkynes"	Siva K. Reddy Kotlaa, Deepak Choudharya, Rakesh K. Tiwarib and Akhilesh K. Verma,*	Tetrahedron Lett	0040-4039
159	"Mild and efficient palladium/BrettPhos-catalyzed methoxylation and deuteriomethoxylation of activated aryl bromides	T.M. Rangarajan, Raju Brahma, Ayushee, Ashok K. Prasad, Akhilesh K. Verma,* Rishi Pal Singh	Tetrahedron Lett	0040-4039

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160	On Water: Catalyst-free chemoselective synthesis of highly functionalized tetrahydroquinazolines from 2-aminophenylacrylate	Rakesh K. Saunthwal, Monika Patel, Rakesh K. Tiwari, Keykavous Parang and Akhilesh K. Verma,*	Green Chem	1463-9262
161	Cu(II)-catalyzed tandem synthesis of 2-imino[1,3]benzothiazines from 2-aminoaryl acrylates via thioamidation and concomitant chemoselective thia-Michael addition	Rakesh K. Saunthwal, Monika Patel, Sushil Kumar and Akhilesh K. Verma	Tetrahedron Lett	0040-4039
162	Pd-catalyzed Heck-conjoined amidation and concomitant chemoselective Michael-addition: An efficient tandem approach to highly functionalized tetrahydroquinazolines from o-haloanilines	Rakesh K. Saunthwal, Monika Patel, Abhinandan K. Danodia, and Akhilesh K. Verma	Org. & Biomol. Chem	1477-0520
163	Tunable phenothiazine hydrazones as colour displaying, ratiometric and reversible pH sensors	Bishnoi, S.; Milton, M. D.	Tetrahedron Lett.	0040-4039
164	Oxime-dipeptides as anticholinesterase, reactivator of phosphorylated-serine of AChE catalytic triad: probing the mechanistic insight by MM-GBSA, dynamics simulations and DFT analysis.	Chadha, N.; Tiwari, A. K.; Kumar, V.; Lal, S.; Milton, M. D.; Mishra, A. K.	Journal of Biomolecular Structure and Dynamics	1538-0254
165	In silico thermodynamics stability change analysis involved in BH4 responsive mutations in phenylalanine hydroxylase: QM/MM and MD simulations analysis.	Chadha, N.; Tiwari, A. K.; Kumar, V.; Milton, M. D.; Mishra, A. K.	Journal of Biomolecular Structure and Dynamics	1538-0254
166	Organically modified titania nanoparticles for sustained drug release applications	Sethi K, Roy I	J Colloid Interface sci	0021-9797
167	Synthesis and antimicrobial activity of aminoglycoside-conjugated silica nanoparticles against clinical and resistant bacteria	Agnihotri S, Pathak R, Jha D, Roy I, Gautam HK, Sharma AK, Kumar P	New Journal of Chemistry	1144-0546

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168	Comparitive study of antibacterial activity of standard antibiotic with silver nanoparticles synthesized using ocimum tenuiflorum and garcinia mangostana leaves	Nikesh Gupta, Chetna Gupta, Sandeep Sharma, Rakesh Kumar Sharma, H. B. Bohidar	Chem. Biol. Lett,	2347–9825
169	Tannic acid: A natural source to tailor nano crystalline silver particles of different morphologies as antibacterial agent	Henam Premananda Singh, Sarbjeet Singh Gujral, Surinder Kumar Sharma, Rakesh Kumar Sharma	Adv. Mater. Lett,	0976-397X
170	Synthesis of gold nanocatalyst for redox reaction between potassium ferricyanide and sodium thiosulphate—An electron relay effect	Shailja Kumar, Henam Premananda Singh, Rakesh Kumar Sharma	Advance science, engineering & Medicine	2164-6627
171	All solid state, high performance supercapacitor using Zinc Manganite embedded Graphene nanoribbons	P Ahuja, R.K. Sharma, G. Singh	Journal of Materials Chemistry A	2050-7488
172	Ultrahigh performance Supercapacitor from Lacey Reduced Graphene Oxide Nanoribbons	V. Sahu, S. Shekhar, R.K. Sharma, G. Singh	ACS Applied Materials and Interfaces	1944-8252
173	High performance, all solid state, flexible supercapacitor based on ionic liquid functionalized graphene	S. K. Ujjain, V. Sahu, R.K. Sharma, G Sing	Electrochimica acta	0013-4686
174	Synthesis, Electronic and Optical Properties of Cobalt (II) Dithiocarbamate Fluorescent Nanowires for Optoelectronic Devices	S. K. Ujjain, P. Ahuja, R.K. Sharma, G. Singh	International Journal of Chemistry	1916-9698
175	Heavily nitrogen doped, graphene supercapacitor from silk cocoon	V. Sahu, S Grover, B. Tulachan, M. Sharma, G Srivastava, ... R. K. Sharma	Electrochimica Acta	0013-4686
176	Co3O4@Reduced Graphene Oxide Nanoribbon for high performance Asymmetric Supercapacitor	S. K. Ujjain, G. Singh, R. K. Sharma	Electrochimica Acta	0013-4686
177	Graphene nanoribbon wrapped cobalt manganite nanocubes for high performance all-solid-state flexible supercapacitors	S.K. Ujjain, P Ahuja, R.K. Sharma	Journal of Materials Chemistry A	2050-7488

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178	Asymmetric Supercapacitive Characteristics of Pani Embedded Holey Graphene Nanoribbons	R. K. Sharma, S. Grover, V. Sahu, S. Goel, G. Singh	ACS Sustainable Chemistry & Engineering	2168-0485
179	Zinc Oxide Nanoring Embedded Lacey Graphene Nanoribbons in Symmetric/Asymmetric Electrochemical Capacitive Energy Storage	V. Sahu, S. Goel, R. K. Sharma and G. Singh	Nanoscale	2040-3372
180	Facile preparation of graphene nanoribbon/cobalt coordination polymer nanohybrid for non-enzymatic H ₂ O ₂ sensing by dual transduction: electrochemical and fluorescence	S.K. Ujjain , P. Ahuja and R.K. Sharma	Journal of material chemistry B	2050-7518
181	Unanticipated behaviour of sorbitol towards the stability and activity of stem bromelain: An outlook through biophysical techniques	Anjeeta Rani and P. Venkatesu	Process Biochemistry	1359-5113
182	Unprecedented Improvement in the Stability of Haemoglobin in the Presence of Promising Green Solvent 1-Allyl-3-methylimidazolium Chloride	J. Indrani and P.Venkatesu	ACS Sustainable Chemistry & Engineering	2168-0485
183	Molecular interactions between ammonium-based ionic liquids and molecular solvents: current progress and challenges	V. Govinda, P.Venkatesu and I. Bahadur	ACS Sustainable Chemistry & Engineering	2168-0485
184	Structural Insights into the Effect of Cholinium-Based Ionic Liquids on the Critical Micellization Temperature of Aqueous Tri-block Co-polymer	I. Khan, R. Umapathi, M. Neves, J. A. P. Coutinho and P. Venkatesu	Phys. Chem. Chem. Phys. (Perspective)	1463-9076
185	Exploring the structure and stability of amino acids and glycine peptides in biocompatible ionic liquids	A. Kumar, Meena Bisht and P.Venkatesu	Physical Chemistry Chemical Physics,	1463-9076
186	A study of conformational changes of β -lactoglobulin in the vicinity of critical point of binary mixed solvents	R. Umapathi and P. Venkatesu	RSC Advances (Review)	2046-2069

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187	Endeavour to simplify the frustrated concept of protein-ammonium family ionic liquid interactions	J. Indrani and P.Venkatesu	Physical Chemistry Chemical Physics, (Perspective)	1463-9076
188	The biological stimuli for governing the phase transition temperature of the “smart” polymer PNIPAM in water	R. Umapathi, P. M. Reddy, A. Kumar, P. Venkatesu, C. J. Chang	Colloids and Surfaces B: Biointerfaces	0927-7765
189	Analysis of the driving force that rule the stability of lysozyme in alkylammonium-based ionic liquids	Meena Bisht, Awanish Kumar and P. Venkatesu	International J. of Biological Macromolecule	0141-8130
190	Effect of the Alkyl Chain Length of the Cation on the Interactions between Water and Ammonium-Based Ionic Liquids: Experimental	V. Govinda, T. Vasantha, I. Khan, P.Venkatesu	Industrial & Engineering Chemistry Research	0888-5885
191	A green approach to offset the perturbation action of 1-butyl-3-methylimidazolium iodide on α -chymotrypsin	P. M. Reddy, R. Umapathi and P.Venkatesu	Physical Chemistry Chemical Physics,	1463-9076
192	The overriding roles of concentration and Hydrophobic effect on structure and stability of heme protein induced by imidazolium-based ionic liquids	J. Indrani Awanish Kumar and P.Venkatesu	J. Phys. Chem. B	1520-6106
193	Quantifying the co-solvents effects on trypsin from the digestive system of Carp <i>Catla Catla</i> by biophysical techniques and molecular dynamics simulation	P. M. Reddy, M. Taha, Y.V.R. K. Sharma, P. Venkatesu, M. J. Lee	RSC Advances	2046-2069
194	A comparative study of the Hofmeister series of anions of the ionic salts and ionic liquids on the stability of α -chymotrypsin	Awanish Kumar, Anjeeta Rani and P. Venkatesu	New Journal of Chemistry	1144-0546
195	Evaluating the transfer free energies of amino acids from water to ammonium-based ionic liquids at 298.15 K	T. Vasantha, A. Kumar, P. Venkatesu and R. S. Rama Devi	Journal of Molecular Liquids	0167-7322

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196	Insights into the interactions between enzyme and co-solvents: Stability and activity of stem bromelain	Anjeeta Rani and P. Venkatesu	International J. of Biological Macromolecule 2015, 73, 189-201	0141-8130
197	Excess molar volumes of binary mixtures (an ionic liquid + water):A review	I. Bahadur, T. M. Letcher, S. Singh, P. Venkatesu, D. Ramjugernath	J. Chem. Thermodynamics 2015, 82, 34-46	0021-9614
198	"Metal complex of the first-generation quinolone antimicrobial drug Nalidixic acid: Structure and its biological evaluation	A. Debnath, Navin Mogha, Dhanraj T. Masram	Applied Biochemistry and Biotechnology , Springer	1559-0291
199	Novel biomaterial for decontamination of toxic metals from waste water	P. Goyal, Dhanraj T. Masram	Sky Journal of Soil Science and Environmental Management	2315-8794
200	"Steric group enforced aromatic cyclic trimer conformer in tripodal molecules"	D. S. Shankar , B. Shankar, P. Rajakannu · P. Vishnoi , Dhanraj T Masram, M. Sathiyendiran	RSC Advances	2046-2069
201	Hydroxyethylamine Based Phthalimides as New Class of Plasmeppsin Hits: Design, Synthesis and Antimalarial Evaluation	Anil Kumar, Sumit Rathore, Yang Tang, Nathan E. Goldfarb, Ben M. Dunn, Vinoth Rajendran, Prahlad C. Gosh, Neelu Singh, N. Latha, Brajendra K. Singh, Manmeet Rawat, Brijesh Rathi	PloS one	1932-6203
202	Antigiardial activity of novel triazolyl-quinolone-based chalcone derivatives: when oxygen makes the difference	Vijay Bahadur, Daniela Mastronicola, Hemandra Kumar Tiwari, Amit Kumar Singh, Leopoldo Paolo Pucillo, Paolo Sarti, Brajendra K. Singh and Alessandro Giuffrè	Front Microbiol	1664-302X

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203	Design, synthesis and biological evaluation of functionalized phthalimides: A new class of antimalarials and inhibitors of falcipain-2, a major hemoglobinase of malaria parasite	Singh, Anil K. ; Rajendran, Vinoth; Pant, Akansha; Ghosh, Prahlad C.; Singh, Neelu; Latha, N.; Garg, Sandeep; Pandey, Kailash C.; Brajendra K. Singh; Rathi, Brijesh	Bioorganic and Medicinal Chemistry	0968-0896
204	Highly Selective Biocatalytic Transesterification Reactions on Aryl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoates	Kumar, Gaurav, Dhawan, Ashish, Brajendra K. Singh.; Sharma, Nawal K.; Sharma, Sunil K., Prasad, Ashok K.; Vander Eycken, Erik V.; Len, Christophe; Watterson, Arthur C.; Parmar, Virinder S	Catalysis Letters	1572-879X
205	Cu(I)-catalyzed microwave-assisted synthesis of 1,2,3-triazole linked with 4-thiazolidinones: a one-pot sequential approach	Yogesh Kumar, Akansha Matta, Prashant Kumar, V. S. Parmar, Erik V. Van der Eycken, Brajendra K. Singh	RSC Advances	2046-2069
206	Methyloxonium Triflate: an Efficient Catalyst for ring Opening of Epoxides with Alcohols under Ambient Conditions	G. D. Yadav, M. Mishra and S. Singh	Current Catalysis	2211-5455
207	Synthesis of MacMillan catalyst modified with ionic liquid as a recoverable catalyst for asymmetric Diels–Alder reaction	M. S. Chauhan, P. Kumar and S. Singh*	RSC Adv.	2046-2069
208	Asymmetric reduction of ketones catalyzed by a, α -diphenyl-(L)-prolinol modified with imidazolium ionic liquid and $BH_3 \cdot SMe_2$ as a recoverable catalyst	M. S. Chauhan, S. Singh*	Journal of Molecular Catalysis A: Chemical	1381-1169

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209	Synthesis, crystal structure and catalytic activity of the guanidinium cation directed nickel(II)-containing open Wells–Dawson 19-tungstodiarsenate(III) [$\{Ni(H_2O)_4\}_2\{Na(H_2O)\}-As_2W_{19}O_{67}(H_2O)_9$]	M. Saini, R. Gupta, S. Singh and F. Hussain*	RSC Adv.	2046-2069
210	Efficient Hydrogen/Oxygen Evolution and Photocatalytic Dye Degradation and Reduction of Aqueous Cr(VI) by Surfactant Free Hydrophilic Cu_2ZnSnS_4 Nanoparticles	P. Kush, K. Deori, A. Kumar, Sasanka Deka	J. Mater. Chem. A	2050-7488
211	(100) surface exposed CeO_2 Nanocube as Efficient Heterogeneous Catalyst in Tandem Oxidation of Benzyl Alcohol, para-Chlorobenzyl Alcohol and Toluene to Corresponding Aldehydes Selectively	K. Deori, C. Kalita, Sasanka Deka	J. Mater. Chem. A	2050-7488
212	Anisotropic kesterite $Cu_2ZnSnSe_4$ colloidal nanoparticles: Photoelectrical and photocatalytic properties	P.Kush, Sasanka Deka	Mater. Chem. Phys.	0254-0584
213	Synthesis of surfactant free SnS nanorods by solvothermal route with better electrochemical properties towards supercapacitor application	H. Chauhan, M. K Singh, S.A. Hashmi, Sasanka Deka	RSC Advances	2046-2069
214	Iron(II) Bromide-Catalyzed Oxidative Coupling of Benzylamines with ortho- Substituted Anilines: Synthesis of 1,3-Benzazoles	Kovuru Gopalaiah, S. N. Chandrudu	RSC Advances	2046-2069
215	Iron-Catalyzed Oxidative Coupling of Benzylamines and Indoles: Novel Approach for Synthesis of Bis(indolyl)methanes	Kovuru Gopalaiah, S. N. Chandrudu, Alka Devi	Synthesis	0039-7881
216	Hydrogen generation : Aromatic dithiolate-bridged metal carbonyl complexes as hydrogenase catalytic site models	Indresh Kumar Pandey, Mookan Natarajan and Sandeep Kaur-Ghumaan*	J. Inorg. Biochem.	0162-0134

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217	1,1'-Bis(Diphenylphosphino)Ferrocene Substituted Diiron Complexes Related to the Active Site of [FeFe]- Hydrogenases : Synthesis, Characterization and DFT Studies	Sandeep Kaur-Ghumaan*, A. Sreenithya and R. B. Sunoj	J. Chem. Sci.	0974-3626
218	Dirion benzenedithiolate complexes Diiron relevant to the [FeFe] hydrogenase active site	I. K. Pandey, S. M. Mobin, N. Diebel, B. Sarkar and Sandeep Kaur-Ghumaan*	Eur. J. Inorg. Chem.	1434-1948
219	Design and Synthesis of Butenolide-based Novel Benzyl Pyrrolones: Their TNF- α based Molecular Docking with In vivo and In vitro Anti-inflammatory Activity	Ali, Y., Alam, M. S., Hamid, H., Husain, A., Shafi, S., Dhulap, A., Hussain, F., Bano, S., Kharbanda, C., Nazreen, S., & Haider, S.	Chemical Biology & Drug Design	1747-0285
220	Synthesis and Characterization of New Helical Coumarins	Talele, H.R., Hussain, F. & Bedekar, A.V.	Journal of Heterocyclic Chemistry	1943-5193
221	Syntheses, crystal structure, electrochemistry and luminescence properties of lanthano-germanotungstates	Gupta, R., Hussain, F., Behera, J. N., Bossoh, A. M., Mbomekalle, I. M., & Oliveira, P. D.	RSC Advances	2046-2069
222	Synthesis and in vivo toxicity assessment of CdSe: ZnS quantum dots functionalized with EDTA-bis-cysteamine	Bag, N., Mathur, R., Hussain, F., Indracanti, N., Singh, S., Singh, S., Chauhan, R.P., Chuttani, K., & Mishra, A. K.	Toxicology Research	2045-4538
223	Synthesis, crystal structure and catalytic activity of the guanidinium cation directed nickel(II)-containing open Wells-Dawson 19-tungstodiarsenate(III) [$\{Ni(H_2O)_4\}_2\{Na(H_2O)\}As_2W_{19}O_{67}(H_2O)\}^{9-}$]	Saini, M. K., Gupta, R., Singh, S., & Hussain, F.	RSC Advances	2046-2069
224	Design, synthesis and evaluation of the QD-DTC-bisbiotin nanobioconjugate as a potential optical-SPECT imaging agent	Bag, N., Mathur, R., Singh, S., Hussain, F., Chauhan, R. P., Chuttani, K., & Mishra, A. K.	Medicinal Chemical Communications	2040-2511
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229	Oxidation of substituted benzyl amines using a phenoxo bridged dimeric nickel(II) complex: synthesis, crystal structure and catalytic activity	Kumar. R, Kumar. R, Mahiya. K, Mathur. P,	Transition Metal Chemistry	1572-901X
230	Oxidation of hindered aniline to iminocyclhexa-2,4-dienone by copper(II) complex of an N-substituted bis-benzimidazolyl ligand	Oxidation of hindered aniline to iminocyclhexa-2,4-dienone by copper(II) complex of an N-substituted bis-benzimidazolyl ligand	Inorganica Chimica Acta	0020-1693
231	Copper(II) complexes as a catalyst for the aerobic oxidation of ophenylenediamine to 2,3-diaminophenazine	Khattar. R, Yadav. A, Mathur. P	Spectrochimica Chimica Acta Part A: Molecular and Biomolecular Spectroscopy.	1386-1425
232	Oxidation of phenyl propyne catalyzed by Copper(II) complexes of a benzimidazolyl schiff base ligand: Effect of acid/base, Oxidant, Surfactant and Morphology	Kumar. R, Mathur. P,	Spectrochimica Chimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425

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233	Synthesis of 21,23-Selenium and Tellurium substituted 5-Porphomethenes, 5,10-Porphodimethenes, 5,15-Porphodimethenes, and Porphotrimethenes and their interactions with mercury	S. Ahmad, K.K. Yadav, S. Bhattacharya, P. Chauhan, S.M.S. Chauhan	J. Org. Chem.	0022-3263
234	Oral extended release of dexamethasone: Montmorillonite– PLGA nanocomposites as a delivery vehicle	Jain, S.; Datta, M	Applied clay science	0169-1317
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238	Design, Synthesis, and Biological Evaluation of 1,2-Dihydroisoquinolines as HIV-1 Integrase Inhibitors	Tandon V*, Urvashi, Yadav P, Sur S, Abbat S, Tiwari V, Hower R, Papathanasopoulos M. A, Raja R, Banerjea A. C, Verma A. K, Kukreti S, Bharatam P V	ACS Med. Chem. Lett.	1948-5875
239	Preclinical Evaluation of DMA, a Bisbenzimidazole, as Radioprotector: Toxicity, Pharmacokinetics, and Biodistribution Studies in Balb/c Mice	Nimesh H, Tiwari V, Yang C, Gundala S R, Chuttani K, Hazari P P, Mishra A K, Sharma A, Lal J, Katyal A, Aneja R, Tandon V.*	Mol. Pharmacol.	0026-895X

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243	An environmentally friendly route for grafting of molybdenum carbonyl onto a diaminosilane-modified SBA-15 molecular sieve and its catalytic behaviour in olefin epoxidation	Baskaran, T.,Kumaravel, R., Christopher, J., Ajithkumar, TG and Sakthivel, A. *	New J. Chem.	1144-0546
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249	Rhenium(i)-based bridgeless double metallocalix[4]arenes	Elumalai, P., Kanagaraj, R., Marimuthu, R., Shankar, B., Kalita, A.C., Sathiyendiran, M.	Dalton Transactions	1477-9226
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252	Utilizing a series of fac-Re(CO) ₃ core based quinonoid containing complexes for photophysical and cell imaging studies	Gupta, D., Singh, V., Hohloch, S., Sathiyendiran, M., Tedin, K., Sarkar, B.	Polyhedron	0277-5387
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254	“Tandem Approach to Benzothieno- and Benzofuropyridines from o-Alkynyl Aldehydes via Silver-Catalyzed 6-endo-dig Ring Closure”	Sonu Kumar, Carlos Cruz-Hernandez, Shilpi Pal, Rakesh K. Saunthwal, Monika Patel, Rakesh K. Tiwari, Eusebio Juaristi, and Akhilesh K. Verma*	J. Org. Chem.	0022-3263
255	“Pd(II)-Catalyzed C-H Activation of Styrylindoles: Short, Efficient, and Regioselective Synthesis of Functionalized Carbazoles”	Rakesh K. Saunthwal, Monika Patel, Sonu Kumar, Abhinandan K. Danodia, and Akhilesh K. Verma*	Chem. Eur. J.	1521-3765

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256	X-ray diffraction, spectroscopic characterization and quantum chemical calculations by DFT and HF of novel 2-hydroxy-12-(4-hydroxyphenyl)-9,9-dimethyl-9,10-dihydro-8H-benzo[a]xanthen-11(12H)-one	Komal Aggarwal, J.M. Khurana	Journal of Molecular Structure	0022-2860
257	Synthesis, photophysical studies, solvatochromic analysis and TDDFT calculations of Diazaspiro compounds	Komal Aggarwal and J.M. Khurana	Spectrochimica Acta Part A	1386-1425
258	Indeno-furan based colorimetric and on-off fluorescent pH sensors	Komal Aggarwal and J.M. Khurana	Journal of Photochemistry and Photobiology A: Chemistry	1010-6030
259	X-ray diffraction, spectroscopic characterization and quantum chemical calculations by DFT and HF of novel 2-hydroxy-12-(4-hydroxyphenyl)-9,9-dimethyl-9,10-dihydro-8H-benzo[a]xanthene-11-one	Komal Aggarwal and J. M. Khurana	Journal of Molecular Structure	0022-2860
260	An efficient and confluent approach for the synthesis of novel-3,4-dihydro-2 <i>H</i> -naphtho[2,3- <i>e</i>][1,3]oxazine-5,10-dione derivatives by a three component reaction in ionic liquid	Garima Khanna, Komal Aggarwal and J. M. Khurana	RSC Advances	2046-2069
261	Phenazine containing indeno-furan based colorimetric and "On-Off" fluorescent sensor for the detection of Cu ²⁺ and Pb ²⁺	Komal Aggarwal and J.M. Khurana	Journal of Luminescence	0022-2313
262	1,1'-bis(di-tert-butylphosphino) ferrocene copper(I) complex catalyzed C-H activation and carboxylation of terminal alkynes	M. Trivedi, G. Singh, A. Kumar, N.P. Rath	Dalton Transactions.	1477-9234
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