

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| S. No. | Title of paper | Name of the author/s | Name of journal | ISBN/ISSN |
|---------------|---|---|--|------------------|
| 1 | Manufacturing blood <i>ex vivo</i> : a futuristic approach to deal with the supply and safety concerns. | Singh V. K., Saini A., Tsuji K. and Chandra R. | Frontiers in Cell and Developmental Biology | 1093-9946 |
| 2 | Bleomycin sulphate loaded nanostructured lipid particles augment oral bioavailability, cytotoxicity and apoptosis in cervical cancer cells. | Saini J., Chandra A., Madan J., Jain U. P., Chandra R. and Jain S. M. | Colloids and Surfaces B: Biointerfaces | 0927-7765 |
| 3 | Telmisartan complex arguments solubility, dissolution and drug delivery in prostate cancer cells. | Kaur M., Bhatia R. K., Pissurlenkar R. R. S. Coutinho E. C., Jain U. K., Katare O. P., Chandra R, and Madan J | Carbohydrate Polymers | 0144-8617 |
| 4 | Non-aggregated protamine-coated poly(lactide-co-glycolide) nanoparticles of cisplatin crossed blood-brain barrier, enhanced drug delivery and improved therapeutic index in glioblastoma cells: in vitro studies. | Dhami N. K., Pandey R. S., Jain U.K., Chandra R. and Madan J. | Journal of Microencapsulation | 0265-2048 |
| 5 | Efficient ELISA for Diagnosis of Active Tuberculosis employing a Cocktail of Secretory Proteins of Mycobacterium tuberculosis | Tiwari D., Tiwari R. P., Chandra R., Bisen P. S. and Haque S | Folia Biologica (Praha) | 0015-5500 |
| 6 | Role of Erythropoietin and other Growth Factors in Ex Vivo Erythropoiesis. | Singh V. K., Saini A. and Chandra R | Advances in Regenerative Medicine | 1874-6489 |
| 7 | In vivo and in vitro models for evaluating anti-urolithiasis activity of Herbal drugs. | Rathod N., Chitme H. R. and Chandra R | International Journal of Pharma and Bio Sciences | 0975-6299 |
| 8 | Multiwalled carbon nanotube supported polypyrrole manganese oxide composite supercapacitor electrode: Role of manganese oxide dispersion in performance evolution | Sonia Grover, Shashank Shekhar, Raj Kishore Sharma and Gurmeet Singh | Electrochimica Acta | 0013-4686 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|---|---|-------------------------------------|-----------|
| 9 | Synthesis, spectral and structural studies of silver and gold(I) complexes | Manoj Trivedi, Bhaskaran, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath | Journal of Organometallic Chemistry | 0022-328X |
| 10 | Cyano-bridged copper(II)-copper(I) mixed-valence coordination polymer as source for copper oxide nanoparticles with catalytic activity in C-N, C-O and C-S cross-coupling reactions | Manoj Trivedi, Sanjeev Ujjain, Raj Kishore Sharma, Gurmeet Singh, Abhinav Kumar, and Nigam P. Rath, | New Journal of Chemistry | 1144-0546 |
| 11 | Cyano and end-to-end azido bridged 3D copper(II)-copper(I) mixedvalence coordination polymer and its transformation to copper nitride nanoparticles | Manoj Trivedi, Gurmeet Singh, Abhinav Kumar, Nigam P. Rath | RSC Advances | 2046-2069 |
| 12 | Syntheses, Characterization, and Electrochemistry of Compounds Containing 1- Diphenylphosphino-1'-(di-tertbutylphosphino) ferrocene (dppdtbpf) | Manoj Trivedi, Sanjeev Ujjain, Gurmeet Singh, Abhinav Kumar, Santosh Kumar Dubey, Nigam P. Rath | Journal of Organometallic Chemistry | 0022-328X |
| 13 | Performance evaluation of asymmetric supercapacitor based on Cobalt Manganite modified Graphene nanoribbons | Preety Ahuja, Vikrant Sahu, Sanjeev Ujjain, Raj Kishore Sharma, Gurmeet Singh, | RSC Advances | 2046-2069 |
| 14 | Enhanced supercapacitor performance by incorporating nickel in manganese oxide | Preety Ahuja, Vikrant Sahu, Sanjeev Ujjain, Raj Kishore Sharma, Gurmeet Singh, | RSC Advances | 2046-2069 |
| 15 | Sonochemically Synthesized Reduced Graphene Oxide Supported SnO ₂ Nanocomposite For Charge Storage | Vikrant Sahu, Shubra Lalwani, Gurmeet Singh, Raj Kishore Sharma | Advance Science Letters | 1936-6612 |
| 16 | Docking Modes of BB-3497 into the PDF Active Site – A Comparison of the Pure MM and QM/MM Based Docking Strategies | Kumari, T., Upasana Issar & Rita Kakkar | Curr. Comput.-Aided Drug Des. | 1573-4099 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|--|---|-----------|
| 17 | An insight into pyruvate dehydrogenase kinase (PDHK) inhibition through pharmacophore modeling and QSAR studies | Kakkar, Rita; Arora, Richa; Gahlot, Pragya; Gupta, Deepti | J. Comput. Sci. | 1877-7503 |
| 18 | Density Functional Study of functionalization of carbon nanotubes with carbenes | Kakkar, Rita, Sharma, Smriti; Badhani, Bharti | Can. Chem. Trans. | 2291-6458 |
| 19 | Theoretical study of the stability of tautomers and conformers of isatin-3-Thiosemicarbazone (IBT) | Kohli, Esha; Arora, Ritu; Kakkar, Rita | Can. Chem. Trans. | 2291-6458 |
| 20 | Resveratrol: a polyphenol with multiple health benefits | Bansal, P.; Kakkar, Rita | IJPDA | 2348-8948 |
| 21 | Acid catalyzed efficient syntheses of aryl-5H-dibenzo[b,i]xanthene-5,7,12,14-(13H)-tetraones and 3,3-(arylmethylene)bis(2-hydroxynaphthalene-1,4-diones) and in vitro evaluation of their antioxidant activity | J. M. Khurana, Anshika Lumb, Ankita Chaudhary and Bhaskara Nand | Journal of Heterocyclic Chemistry | 1943-5193 |
| 22 | Efficient one pot synthesis of xanthene-triazole-quinoline/phenyl conjugates and evaluation of their antimicrobial activity | Harjinder Singh, Bhaskara Nand, Jayant Sindhu, J.M. Khurana, Chetan Sharma, K.R. Aneja | Journal of the Brazilian Chemical Society | 1678-4790 |
| 23 | Synthesis, biological activities and SAR studies of novel 1-Ethyl-7-methyl-4-oxo-1,4-dihydro-[1,8]naphthyridine-3-carboxylic acid based diacyl and sulfonyl acyl hydrazines | Nisha Aggarwal, R. Kumar, C. Srivastava, P. Dureja, J.M. Khurana | Pest Management Science | 1526-4998 |
| 24 | An efficient catalyst free synthesis of nitrogen containing spiro heterocycles via [5 + 1] double Michael addition reaction | Komal Aggarwal, Kanika Vij, J. M. Khurana | RSC Advances | 2046-2069 |
| 25 | A new green approach for the synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]xanthene-11-one derivatives using task specific acidic ionic liquid [NMP]H ₂ PO ₄ | Harjinder Singh, Sudesh Kumari, J. M. Khurana | Chinese Chemical Letters | 1001-8417 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|---|------------------------------------|-----------|
| 26 | 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, M. Rajeswari, J. M. Khurana | RSC Advances | 2046-2069 |
| 27 | 1,8-diazabicyclo[5.4.0]undec-7-ene: A highly efficient catalyst for one-pot synthesis of substituted tetrahydro-4h-chromenes, tetrahydro[b]pyrans, pyrano[d]pyrimidines, and 4h-pyrans in aqueous medium | J. M. Khurana, Bhaskara Nand, Pooja Saluja | Journal of Heterocyclic Chemistry | 1943-5193 |
| 28 | Task-specific ionic liquid catalyzed synthesis of novel naphthoquinone-urazole hybrids and evaluation of their antioxidant and in vitro anticancer activity | Pooja Saluja, J.M. Khurana, K. Nikhil, P. Roy | RSC Advances | 2046-2069 |
| 29 | An efficient and convenient approach for the synthesis of novel pyrazolo[1,2-a]triazole-triones and evaluation of their antimicrobial activities | Pooja Saluja, J.M. Khurana, Chetan Sharma, K.R. Aneja | Australian Journal of Chemistry | 0004-9425 |
| 30 | A green, multicomponent, regio- and stereo-selective 1,3-dipolar cycloaddition of azides and azomethine ylides generated in situ with bifunctional dipolarophiles using PEG-400 | Jayant Sindhu, Harjinder Singh, J.M. Khurana | Molecular Diversity | 1573-501X |
| 31 | Syntheses, biological evaluation and photophysical studies of novel 1,2,3-triazole linked azo dyes | Harjinder Singh, Jayant Sindhu, J.M. Khurana, Chetan Sharma, K.R. Aneja | RSC Advances | 2046-2069 |
| 32 | Determination of dipole moment, solvatochromic studies and application as turn off fluorescence chemosensor of new 3-(4-(dimethylamino)phenyl)-1-(5-methyl-1-(naphthalen-1-yl)-1H-1,2,3-triazol-4-yl)prop-2-en-1-one | Harjinder Singh, Jayant Sindhu, J.M. Khurana | Sensors and Actuators, B: Chemical | 0925-4005 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|--|---|-----------|
| 33 | Lanthanum triflate-catalyzed rapid oxidation of secondary alcohols using hydrogen peroxide urea adduct (UHP) in ionic liquid | Pooja Saluja, Devanshi Magoo, J.M. Khurana | Synthetic Communications | 1532-2432 |
| 34 | Ultrasound promoted one pot synthesis of novel fluorescent triazolyl spirocyclic oxindoles using DBU based task specific ionic liquids and their antimicrobial activity | Harjinder Singh, Jayant Sindhu, J.M. Khurana, Chetan Sharma, K.R. Aneja | European Journal of Medicinal Chemistry | 0223-5234 |
| 35 | Synthesis of novel fluorescent benzo[a]pyrano[2,3-c]phenazine and benzo[a]chromeno[2,3-c]phenazine derivatives via facile four-component domino protocol | Pooja Saluja, Ankita Chaudhary, J. M. Khurana | Tetrahedron Letters | 0040-4039 |
| 36 | Chemoselective N-benylation of 2-thiohydantoins and 2-thiobarbituric acids catalyzed by PEG-stabilized Ni nanoparticles and their anti-microbial activities | Sneha, J.M. Khurana, Chetan Sharma, K.R. Aneja | Medicinal Chemistry Research | 1554-8120 |
| 37 | 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 |
| 38 | An efficient catalyst-free synthesis of novel benzo[a][1,3]oxazino[6,5-c]phenazine derivatives via one pot four-component domino protocol in water | Garima Khanna, Ankita Chaudhary, J. M. Khurana | Tetrahedron Letters | 0040-4039 |
| 39 | K ₂ CO ₃ catalyzed green and rapid access to 2-amino-3,5-dicarbonitrile-6-thio-pyridines | Kidwai, M; Chauhan, Ritika | Journal of the Iranian Chemical Society | 1735-2428 |
| 40 | Production of ganoderic acid by Ganoderma lucidum RCKB-2010 and its therapeutic potential | Upadhyay, M; Shrivastava, B; Jain, A; Kidwai, M; Kumar, S; Gomes, J; Goswami, D. G.; Panda, A. K; Kuhad, R. C. | Annals of Microbiology | 1869-2044 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|--|--|-----------|
| 41 | Silica nanospheres supported diazafluorene iron complex: an efficient and versatile nanocatalyst for the synthesis of propargylamines from terminal alkynes, dihalomethane and amines | R.K. Sharma, S. Sharma and G. Gaba | RSC Advances | 2046-2069 |
| 42 | Acetoacetanilide-functionalized Fe ₃ O ₄ nanoparticles for selective and cyclic removal of Pb ²⁺ ions from different charged wastewaters | R.K. Sharma, A. Puri, Y. Monga and A. Adholeya | Journal of Materials Chemistry A | 2050-7488 |
| 43 | Magnetically separable silica@Fe ₃ O ₄ core-shell supported nano-structured copper(II) composites as a versatile catalyst for the reduction of nitroarenes in aqueous medium at room temperature | R.K. Sharma, Y. Monga and A. Puri | Journal of Molecular Catalysis A: Chemical | 1381-1169 |
| 44 | Newly modified silica-based magnetically driven nano-adsorbent: A sustainable and versatile platform for efficient and selective recovery of cadmium from water and fly-ash ameliorated soil | R.K. Sharma, A. Puri, Y. Monga and A. Adholeya | Separation and Purification Technology | 1383-5866 |
| 45 | Diacetylmonoxime Functionalized Silica Gel: An Efficient and Recyclable Organic Inorganic Hybrid Material for Selective Removal of Copper from Fly Ash Ameliorated Soil Samples | R.K. Sharma, A. Puri, A. Kumar, Y. Monga, G. Gaba and A. Adholeya | Separation Science and Technology | 0149-6395 |
| 46 | Silica nanosphere-supported palladium(II) furfural complex as a highly efficient and recyclable catalyst for oxidative amination of aldehydes | R.K. Sharma and S. Sharma | Dalton Transactions | 1477-9226 |
| 47 | Cytotoxic and Radio-sensitizing Effects of Polyphenolic Acetates in a Human Glioma Cell Line (BMG-1) | A Verma, K Venkateswaran, A Farooque, AN Bhatt, N Kalra, A Arya, A Dhawan, MB Arya, HG Raj, AK Prasad | Current Pharmaceutical Design | 1873-4286 |
| 48 | Revisiting a protocol for extraction of mycobacterial lipids | P Singh, G Tyagi, P Khatri, NK Saini, R Pathak, M Varma-Basil, R Sinha, R Tandon, CSL Reddy, AK Prasad | International journal of mycobacteriology | 2212-5531 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|---|---------------------------------------|-----------|
| 49 | Comparison of protein acetyltransferase action of CRTAase with the prototypes of HAT | P Ponnann, Prija, A Kumar, Ajit; P Singh, P Gupta, Prachi; R Joshi, M Gaspari, L Saso, AK Prasad, RC Rastogi, VS Parmar | Scientific World Journal | 2356-6140 |
| 50 | Novel approach to 3,3-dimethyl-4-morpholino-3,4-dihydrocoumarins via hetero-Diels-Alder reaction | VK Sharma, M Kumar, V Maikhuri, A Tyagi, AK Prasad | Trends Carbo. Res. | 0975-0304 |
| 51 | Synthesis of sugar-modified triazole-linked nucleoside dimers | K Bohra, S Srivastava, CE Olsen, AK Prasad | Trends in Carbo. Res. | 0975-0304 |
| 52 | Modifications of Cell Signalling and Redox Balance by Targeting Protein Acetylation Using Natural and Engineered Molecules: Implications in Cancer Therapy | K Venkateswaran, A Verma, AN Bhatt, PK Agrawala, HG Raj, S Malhotra, AK Prasad, O De Wever, MC Bracke, L Saso, et al | Current Topics in Medicinal Chemistry | 1873-4294 |
| 53 | Effect of acyl chain length on selective biocatalytic deacylation on O-aryl glycosides and separation of anomers | N Aggarwal, A Arya, D Mathur, S Singh, A Tyagi, R Kumar, N Rana, R Singh and AK Prasad | Bioorg. Chem. | 0045-2068 |
| 54 | Nucleic acid therapeutics: Basic concepts and recent developments | VK Sharma, P Rungta and AK Prasad | RSC Advances | 2046-2069 |
| 55 | Chemo-enzymatic synthesis of bicyclic 3'-azido- and 3'-amino-nucleosides | M Kumar, VK Sharma, CE Olsen and AK Prasad | RSC Advances | 2046-2069 |
| 56 | Synthesis of triazole linked LNA-based nonionic nucleoside dimers using click reaction | SK Singh, VK Sharma, Kapil Bohra, CE Olsen and AK Prasad | Curr. Org. Chem. | 1875-5348 |
| 57 | Chemo-enzymatic convergent synthesis of 2'-O,4'-C-methyleneribonucleosides | VK Sharma, M Kumar, CE Olsen and AK Prasad | J. Org. Chem. | 1875-5348 |
| 58 | Chemo-enzymatic synthesis of C-4'-spiro-oxetanoribonucleosides | VK Sharma, M Kumar, D Sharma, CE Olsen and AK Prasad | J. Org. Chem. | 1875-5348 |
| 59 | BrettPhos ligand supported palladium-catalyzed C-O bond formation through an electronic pathway of reductive elimination: Fluoroalkoxylation of activated aryl halides | TM Rangarajan, R Singh, R Brahma, K Devi, RP Singh and AK Prasad | Chem. A Eur. J. | 1521-3765 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|--|---|------------|
| 60 | Advancement in the structural polymorphism of G-quadruplexes | M. Kaushik, S. Kaushik, and S. Kukreti | International Review of Biophysical Chemistry | 2038-033X |
| 61 | Protection against ionizing radiation induced oxidative damage to structural and functional proteins by semiquinone glucoside derivative isolated from radioresistant bacterium bacillus sp. inm-1 | S. Mishra, A.K. Gupta, P. Malhotra, O. K. Singh, R. Pathak, A. Singh, S. Kukreti, H. K. Gautam, S. Javed and Raj Kumra | Current Biotechnology | 2211-551X |
| 62 | Experimental Validation of Theory of Chronoamperometry on Nanoparticles Deposited Gold Electrodes: Topography Characterization through Hybrid CV and SEM Method | S. Dhillon and R. Kant | Electroanalysis, | 1040-0397 |
| 63 | Theory for Anomalous Response in Cyclic Staircase Voltammetry : Electrode Roughness and Unequal Diffusivities | Parveen and R. Kant | J. Phys. Chem. C, | 1932-7447 |
| 64 | Theory of Anomalous Electric Double Layer Dynamics in Ionic Liquids, | M. Birla Singh and R. Kant, | J. Phys. Chem. C, | 1932-7447 |
| 65 | Theory of Double Potential Step Chronoamperometry at Rough Electrodes: Reversible Redox Reaction and Ohmic Effects | S. Dhillon and R. Kant | Electrochimica Acta. | 0013-4686 |
| 66 | Theory of Anomalous Dynamics of Electric Double Layer at Heterogeneous and Rough Electrodes | M. B. Singh and R. Kant | J. Phys. Chem. C, | 1932-7447 |
| 67 | Theory of single potential step absorbance transient at an optically transparent rough and finite fractal electrode: EC' mechanism | R. kant and Md. Merajul Islam | J. Electroanal. Chem., | 1572-6657 |
| 68 | Triazine-pyrimidine based molecular hybrids: Synthesis, docking studies and antimalarial activity evaluation | Deepak Kumar, Shabana I. Khan, Prija Poonan, Diwan S. Rawat*, | New J. Chem. | 1144-0546. |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|---|---|-----------------------|------------|
| 69 | Synthesis, antimalarial activity, heme binding and docking studies of 4-aminoquinoline-pyrimidine based molecular hybrids | Deepak Kumar, Shabana I. Khan, Prija Ponnann, Diwan S. Rawat* | RSC Adv | 2046-2069. |
| 70 | Synthesis of novel 1,2,3-triazole derivatives of isoniazid and their <i>in vitro</i> and <i>in vivo</i> antimycobacterial activity evaluation | Deepak Kumar, Beena, Garima Khare, Saqib Kidwai, Anil K. Tyagi, Ramandeep Singh, Diwan S Rawat* | Eur. J. Med Chem. | 0223-5234. |
| 71 | Functionalized superparamagnetic Fe ₃ O ₄ as an efficient quasi-homogeneous catalyst for multi-component reactions, | U. Chinna Rajesh, Divya, Diwan S. Rawat* | RSC Adv | 2046-2069. |
| 72 | Metronidazole-Triazole Hybrids as <i>Entamoeba histolytica</i> Thioredoxin Reductase Inhibitors and their <i>In Vitro</i> Antiamoebic Activity Evaluation. | Beena, K. Kranthi Raj, Shadab Miyan Siddiqui, D. Ramachandran, Amir Azam, Diwan S. Rawat,* | Chem. Med. Chem | 1860-7187 |
| 73 | 4-Aminoquinoline based molecular hybrids as antimalarials: An Overview, | Sunny Manohar, Mohit Tripathi, Diwan S Rawat*, | Curr. Top. Med. Chem. | 1568-0266. |
| 74 | C5-curcuminoid-dithiocarbamate based molecular hybrids: Synthesis, anti-inflammatory and anti-cancer activity evaluation | Amit Anthwal, Kundan Singh, M.S.M. Rawat, Amit K. Tyagi, Bharat B. Aggarwal, Diwan S. Rawat | RSC Adv | 2046-2069. |
| 75 | Novel metronidazole-chalcone conjugates with potential to counter drug resistance in <i>Trichomonas vaginalis</i> | Amit Anthwal, U. Chinna Rajesh, M. S. M. Rawat, Bhavana Kushwaha, Jagdamba P Maikhuri, Vishnu L. Sharma, Gopal Gupta, Diwan S. Rawat* | Eur. J. Med. Chem. | 0223-5234. |
| 76 | Synthesis, characterization and <i>in vitro</i> anticancer activity of C-5 curcumin analogues with potential to inhibit TNF- α -induced NF- κ B activation, | Amit Anthwal, Bandana Thakur, M. S. M. Rawat, Diwan S. Rawat, Amit K. Tyagi, Bharat B. Aggarwal | BioMed. Res. Int | 2314-6141 |
| 77 | Novel 3,5-bis(arylidene)-4-piperidone based monocarbonylanalogs of curcumin: Anticancer activity evaluation and mode of action study | Anuj Thakur, Sunny Manohar, Christian E. Vélez Gerena, Beatriz Zayas, Vineet Kumar, Sanjay V. Malhotra, Diwan S Rawat* | Med. Chem. Commun | 2040-2049 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|---|------------------------|------------|
| 78 | Synthesis of piperazine tethered 4-aminoquinoline-pyrimidine hybrids as potent antimalarial agents | Anuj Thakur, Shabana I. Khan, Diwan S. Rawat* | RSC Adv. | 2046-2069 |
| 79 | Catalyst free, ethylene glycol promoted one-pot three component synthesis of 3-amino alkylated indoles <i>via</i> Mannich-type reaction | U. Chinna Rajesh, Rohit Kholiya, V. Satya Pavan, Diwan S. Rawat* | Tetrahedron Letters | 0040-4039. |
| 80 | Noscapine and its analogues as anti-cancer agents, | Mohit Tripathi, Panyala Linga Reddy, Diwan S. Rawat*, | Chem Biol Interface | 0009-2797 |
| 81 | Synthesis of novel 1,2,3-triazole incorporated quinoline derivatives <i>via</i> click chemistry and evaluation of their antimalarial activity | Ritu Mangain, Himanshu Atheaya, Shabana I. Khan, Sunny Manohar, Diwan S. Rawat*, | J. Ind. Chem Soc. | 0019-4522 |
| 82 | Antibacterial activity of adamantyl substituted cyclohexane diamine derivatives against methicillin resistant <i>Staphylococcus aureus</i> and <i>Mycobacterium tuberculosis</i> , | Beena, Deepak Kumar, Widuranga Kumbukgolla, Sampath Jayaweera, MaiAnn Bailey, Torey Alling, Juliane Ollinger, Tanya Parish, Diwan S Rawat*, | RSC Adv. | 2046-2069 |
| 83 | Approaches to the total synthesis of natural quinolizidine alkaloid (+)-epiquinamide and its isomers: An overview | U. Chinna Rajesh, Archana Gupta, Diwan S. Rawat | Curr. Org. Synth. | 1875-6271 |
| 84 | Synthesis of unsymmetrical C5-curcuminoids as potential anticancer and antimalarial agents. | Sunny Manohar, Anuj Thakur, Shabana I. Khan, Nanting Ni, Binghe Wang, Diwan S. Rawat*, | Lett. Drug Des. Discov | 1875-628X |
| 85 | Synthesis and anticancer activity evaluation of resveratrol-chalcone conjugate. | Deepak Kumar, K. Kranthi Raj, Sanjay V. Malhotra, Diwan S Rawat* | Med. Chem. Commun. | 20460-2069 |
| 86 | Anticancer activity of 4-aminoquinoline-triazine based molecular hybrids, | Sunny Manohar, Antonella Pepe, Christian E. Vélez Gerena, Beatriz Zayas, Sanjay V. Malhotra and Diwan S Rawat* | RSC Adv. | 2046-2069 |
| 87 | Synthesis and antituberculosis activity evaluation of cyclohexane-1,2-diamine derivatives, | Beena, Deepak Kumar, Mai Ann Bailey, Tanya Parish, Diwan S Rawat* | Chem Biol Interface | 0009-2797 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|----|--|---|---------------------------------------|-----------|
| 88 | Synthesis and characterization of novel 1,2,3-triazole-linked theophylline and coumarin s-triazines | Penny Joshi, Mohit Tripathi, Diwan S Rawat* | Ind. J. Chem. | 0975-0983 |
| 89 | Greener synthesis and photo-antiproliferative activity of novel fluorinated benzothiazolo[2, 3-b]quinazolines. | Med. Chem. Res. | Med. Chem. Res. | 1554-8120 |
| 90 | Chromones and their Derivatives as Radical Scavengers: A Remedy for Cell Impairment. | P Yadav, B Parshad, P Manchanda, SK Sharma | Curr. Top. Med. Chem. | 1873-4294 |
| 91 | <i>In vivo</i> Efficacy of a Synthetic Coumarin Derivative in a Murine Model of Aspergillosis. | S Singh, R Dabur, MM Gatne, B Singh, S Gupta, S Pawar, SK Sharma, GL Sharma | PLOS One | 1932-6203 |
| 92 | Chromenone and Quinolinone derivatives as potent antioxidant agents. | P Vats, V Hadjimitova, K Yoncheva, A Kathuria, A Sharma, K Chand, AJ Duraisamy, AK Sharma, AK Sharma, L Saso, SK Sharma | Med. Chem. Res. | 1554-8120 |
| 93 | “Greener and Sustainable” Novozym 435 Catalyzed Syntheses of Polyesters and Polyamides of Medicinal and Industrial Relevance. | A Khan, SK Sharma, A Kumar, AC Watterson, J Kumar, VS Parmar | ChemSusChem | 1864-564X |
| 94 | Synthesis of two-photon active cinnamoyl coumarins for high-contrast imaging of cancer cells and their photophysical characterization. | P Yadav, S Satapathi, M Kumari, A Chaturvedi, L Li, LA Samuelson, J Kumar, SK Sharma | J. Photochem. Photobiol. A: Chemistry | 1010-6030 |
| 95 | Synthesis of amphiphilic dendronized polymers to study their self-assembly and transport behavior. | M Kumari, AK Singh, S Kumar, K Achazi, S Gupta, R Haag, SK Sharma | Polymer Adv. Tech. | 1099-1581 |
| 96 | Microwave-assisted synthesis of 4 <i>H</i> -benzo[<i>f</i>]imidazo[1,4]diazepin-6-ones <i>via</i> a post-Ugi copper-catalyzed intramolecular Ullmann coupling. | Z Li, L Legras, A Kumar, DD Vachhani, SK Sharma, VS Parmar, EV Van der Eycken | Tetrahedron Lett. | 0040-4039 |
| 97 | Synthesis and Evaluation of c-Src Kinase Inhibitory Activity of Pyridin-2(1 <i>H</i>)-one Derivatives. | K Chand, S Prasad, RK Tiwari, AN Shirazi, S Kumar, K Parang and SK Sharma | Bioorg. Chem. | 0045-2068 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|------------------------------|-----------|
| 98 | Regioselective Synthesis of Diversely Substituted Diazoninones <i>via</i> A Post-Ugi Gold-Catalyzed Intramolecular Hydroarylation Process. | Z Li, A Kumar, DD Vachhani, SK Sharma, VS Parmar, EV Van der Eycken | Eur. J. Org. Chem. | 1099-0690 |
| 99 | Binding study of Naturally Occuring Flavonoids with Bovine Serum Albumin, A Fluorescence Quenching Study | Satish K Awasth, Meenakshi Pandey , Shailja Singh | Int. J. Pharm. Sci. Rev | 0975-6299 |
| 100 | Surface confined heteroleptic Copper(II)-polypyridyl complexes for photo-nuclease activity | V. Singh, P. C.Mondal, A. Kumar, Y L. Jeyachandran, Satish K. Awasthi, R. D. Gupta, M. Zharnikov | Chem. Com | 1364-548X |
| 101 | (NH ₄) ₂ Ce(NO ₃) ₆ as an inexpensive, eco-friendly, efficient catalyst for synthesis of 5- substituted 1- <i>H</i> tetrazoles from nitriles | S. Kumar, S. Dubey, N. Saxena, Satish K. Awasthi | Tet. Lett. | 0040-4039 |
| 102 | Synthesis and antibacterial activity of of fluoroquinolone analogs. | S. K Dixit, N. Yadav, S. Kumar, L. Good, S. K. Awasthi | Med Chem Res | 1554-8120 |
| 103 | Hydrogen Bonding Patterns in Solid State of <i>tert</i> -butyl-N-(4-acetylphenyl)carbamate and (E)-1-(4-aminophenyl)-3-[4-(dimethylamino)phenyl]prop-2-en-1-one | Ramakant, B. Maity, S. K. Awasthi , A. Agarwal | J Chem Crystallogr | 1572-8854 |
| 104 | Efficient heterogeneous silver nanoparticles catalyzed one-pot synthesis of 5-substituted 1H-tetrazoles | Pavnesht Mani, Chiranjeev Sharma, Satish K Awasthi | J Mol. Catalysis | 1381-1169 |
| 105 | Thermal and crystallographic studies of 1-(2-fluoro-4-nitrophenyl)-4-(pro-2-yn-1-yl) piperazine single crystal | S. K. Awasthi, C. Sharma, M. Yadav, G Pandey | Proc. Natl. Acad. Sci. India | 1091-6490 |
| 106 | AgNO ₃ catalyzed synthesis of 5-substituted -1H tetrazole via [3+2] cycloaddition of nitriles and sodium azide | P. Mani, A. K Singh, Satish K. Awasthi | Tetrahedron Letters | 0040-4039 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|---|-----------|
| 107 | An efficient one pot method for synthesis of carboxylic acids from nitriles using recyclable ionic liquid [bmim]HSO ₄ | S. Kumar, S. K Dixit, Satish K. Awasthi | Tetrahedron Letters | 0040-4039 |
| 108 | Bottom-up molecular-assembly of Ru(II)polypyridyl complex-based hybrid nanostructures decorated with silver nanoparticles: Effect of Ag nitrate concentration | Vilvamani, T Gupta, R D Gupta, Satish K. Awasthi | RSC Advances | 2046-2069 |
| 109 | Diversifications in the synthesis of antimalarial trioxane and tetraoxane analogs | N. Yadav, C. Sharma, Satish K Awasthi | RSC Advances | 2046-2069 |
| 110 | Syntheses, characterization, and anticancer activities of pyridine-amide based compounds containing appended phenol or catechol groups | A. Ali, D. Bansal, N. K. Kaushik, N. Kaushik, E. H. Choi, Rajeev Gupta | Journal of Chemical Sciences | 2.004E+09 |
| 111 | {Cu ²⁺ -Co ³⁺ -Cu ²⁺ } and {Cu ²⁺ -Fe ³⁺ -Cu ²⁺ } Heterobimetallic Complexes and Their Catalytic Properties | S. Srivastava, A. Ali, A. Tyagi, Rajeev Gupta | European Journal of Inorganic Chemistry | 1434-1948 |
| 112 | Supramolecular Architectures with Pyridine-amide Based Ligands: Discrete Molecular Assemblies and Their Applications | A. Mishra, Rajeev Gupta | Dalton Transactions | 1477-9226 |
| 113 | Synthesis, Characterization and Self-Assembly of Co ³⁺ Complexes Appended with Phenol and Catechol Groups | A. Ali, D. Bansal, Rajeev Gupta | Journal of Chemical Sciences | 2.004E+09 |
| 114 | Mononuclear Complexes of Amide-based Ligands Containing Appended Functional Groups: Role of Secondary Coordination Sphere on Catalysis | D. Bansal, G. Kumar, G. Hundal, Rajeev Gupta | Dalton Transactions | 1477-9226 |
| 115 | Two-dimensional {Co ³⁺ -Co ²⁺ } and {Fe ³⁺ -Co ²⁺ } Networks and their Heterogeneous Catalytic Activities | S. Srivastava, M. S. Dagur, Rajeev Gupta | European Journal of Inorganic Chemistry | 1434-1948 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|---|--|-----------|
| 116 | Nickel and Copper Complexes of Pyrrolicarboxamide Ligands: Stabilization of M ³⁺ Species and Isolation of Ni ³⁺ Complexes | S. Kumar, M. Munjal, J. Singh, Rajeev Gupta | European Journal of Inorganic Chemistry | 1434-1948 |
| 117 | Endogenous and Exogenous Ligand Dependent Formation of a Superoxide-bridged Dicobalt(III) Complex and Few Mononuclear Co(III) Complexes with Amide-Based Macrocyclic Ligands | S. Kumar, Rajeev Gupta | European Journal of Inorganic Chemistry | 1434-1948 |
| 118 | Depalladation of neutral monoalkyne- and dialkyne-inserted palladacycles and alkyne insertion/depalladation reactions of cationic palladacycles derived from N,N',N''-triarylguanidines as facile routes for guanidine-containing heterocycles/carbocycles: synthetic, structural, and mechanistic aspects | Saxena, Priya; Thirupathi, Natesan; Nethaji, Munirathinam | Organometallics | 0276-7333 |
| 119 | Mono- and dialkyne insertion reactions of cyclopalladated N,N',N''-triarylguanidines [κ^2 (C,N)Pd(μ -Br)] ₂ and cis-/trans- [κ^2 (C,N)Pd(Lewis Base)Br]. Scaffolds for enlarged, rearranged, and zwitterionic palladacycles through ring contraction cum amine-imine tautomerization | Saxena, Priya; Thirupathi, Natesan; Nethaji, Munirathinam | Organometallics | 0276-7333 |
| 120 | Environmentally benign synthesis of positively charged, ultra-low sized colloidal gold in universal solvent, Advances in Natural Sciences | Ajeet Kumar, Arnab De, Amit Saxena and Subho Mozumdar | Advances in Natural Sciences: Nanoscience and Nanotechnology | 2043-6262 |
| 121 | Synthesis and anti-bacterial activity of novel dihydrochromeno[8,7-e][1,3]oxazine-2(8H)-thiones | Bijoy P. Mathew, Nisha Aggarwal, Rajesh Kumar and Mahendra Nath | Journal of Sulfur Chemistry | 1741-6000 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|---|-----------------------------|-----------|
| 122 | First synthesis of <i>meso</i> -substituted pyrrolo[1,2- <i>a</i>]quinoxalinoporphyrins. <i>Beilstein J. Org. Chem.</i> | Dileep Kumar Singh and Mahendra Nath | Beilstein J. Org. Chem. | 1860-5397 |
| 123 | Does lack of secondary structure imply intrinsic disorder in proteins? | P. Rani, A. Baruah and P. Biswas | BBA-Proteins Proteom | 1570-9639 |
| 124 | Intramolecular relaxation of flexible dendrimers with excluded volume | G. J. Rai, A. Kumar and P. Biswas | J. Chem. Phys. | 1089-7690 |
| 125 | Shape dependence of the radial distribution function of hydration water around proteins | P. Rani and P. Biswas | J. Phys.: Condens. Matter | 1361-648X |
| 126 | The role of site-directed point mutations in protein misfolding | A. Baruah and P. Biswas | Phys. Chem. Chem. Phys. | 1463-9084 |
| 127 | Hydrogen bond dynamics in intrinsically disordered proteins | N. Rawat and P. Biswas | J. Phys. Chem. B | 1520-5207 |
| 128 | Designing sequences with varied flexibility and stability through pair mutations | A. Baruah and P. Biswas | RSC Adv. | 2046-2069 |
| 129 | A simple one pot synthesis of cubic Cu ₅ FeS ₄ . | Kumar, P.; Gusain, M.; Kumar, P. S.; Uma, S.; Nagarajan, R. | RSC Adv. | 2046-2069 |
| 130 | Novel fluorite structured superparamagnetic RbGdF ₄ nanocrystals as versatile upconversion host. | Ahmad, S.; Nagarajan, R.; Raj, P; Prakash, G. V. | Inorganic Chemistry | 0020-1669 |
| 131 | Synthesis, structure, optical and magnetic properties of layered hydroxide acetates containing zinc and lanthanides. | Singh, P.; Nagarajan, R. | Advanced Porous Materials | 2327-3941 |
| 132 | Optical and magnetic Properties of (Er, F) Co-doped SnO ₂ Nanocrystals. | Kumar, V.; Uma, S.; Nagarajan, R. | Turkish Journal of Physics | 1300-0527 |
| 133 | Soft Chemical synthesis of Ag ₃ SbS ₃ with efficient and recyclable visible light photocatalytic properties. | Gusain, M.; Rawat, P.; Nagarajan, R. | Materials Research Bulletin | 0025-5408 |
| 134 | Solvent mediated rapid synthesis of orthorhombic Cu ₂ ZnSnS ₄ (CZTS). | Gusain, M.; Rawat, P.; Nagarajan, R. | Materials Letters | 0167-577X |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|---|--|-----------|
| 135 | Mechanochemical synthesis of layered perovskite structured fluorides A_2MF_4 ($A = K, Rb; M = Co, Cu, Mg$) and their transformation to AMF_3 phase by mechanical activation. | Singh, P.; Rawat, P.; Nagarajan, R | J.Fluorine Chemsitry | 0022-1139 |
| 136 | Anion (Fluoride)-doped ceria nanocrystals: Synthesis, characterization, and its catalytic application to oxidative coupling of benzylamines. | Ahmad, S.; Gopalaiah, K.; Chandrudu, S. N.; Nagarajan, R. | Inorganic Chemistry | 0020-1669 |
| 137 | Root system of live plants is powerful resource for green synthesis of Au nanoparticles. | Pardha Saradhi, P.; Gupta, Y.; Peddisetty, T.; Sharmila, P.; Singh, J.; Nagarajan, R.; Rao, K. S. | RSC Adv. | 2046-2069 |
| 138 | Plants fabricate Fe-nanocomplexes at root surface to counter and phytostabilize excess ionic Fe. | Pardha Saradhi, P.; Gupta, Y.; Peddisetty, T.; Sharmila, P.; Singh, J.; Nagarajan, R.; Rao, K. S. | Biometals | 0966-0844 |
| 139 | Evidence of cationic mixing and ordering in the honeycomb layer of Li_4MSbO_6 (M (III) = Cr, Mn, Al, Ga) (S.G. C2/c) oxides | Bhardwaj N., Gupta A., Uma S | Dalton Trans. | 1477-9234 |
| 140 | A simple one pot synthesis of cubic Cu_5FeS_4 | Kumar P., Gussain M., Kumar P. S., Uma S., Nagarajan R | RSC Adv. | 2046-2069 |
| 141 | Optical and Magnetic Properties of (Er, F) co-doped SnO_2 Nanocrystals | Kumar V., Uma S., Nagarajan R | Turk. J. Phys. | 1300-0101 |
| 142 | Achieving Enhanced visible-light driven photocatalysis using type-II $NaNbO_3/CdS$ core /Shell heterostructures, | Sandeep Kumar, Sunita Khanchandani, Meganathan Thirumal, Ashok. K.Ganguli | Appl. Mater. Interfaces | 1944-8244 |
| 143 | Design and synthesis of calcium responsive magnetic resonance imaging agent: Its relaxation and luminescence studies | Jyoti Tiwari, Anupama Datta, Kanchan Chauhan, S.Senthil Kumaran, Anjani K.Tiwari, K.Ganesh Kadiyala, Sunil Pal, M.Thirumal, Anil K.Mishra | European .Journal of Medicinal Chemistry | 0009-4374 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|---|-------------------------|-----------|
| 144 | Synthesis of fused heterocycles via preferential hydroamination over N-arylation and concomitant intramolecular C-C bond formation | Rajeev Ranjan Jha, Abhinandan Kumar Danodia and Akhilesh K. Verma,* | Tetrahedron Lett. | 0040-4039 |
| 145 | An Expedient Approach to Pyrrolo[3,2-c]quinolines via Regioselective Formation of Pyrrole Nucleus over Indoles | Manjusha V. Karkhelikar, Rajeev R. Jha, B. Sridhar, Pravin R. Likhar* and Akhilesh K. Verma,* | Chem. Commun. | 1359-7345 |
| 146 | Stereoselective tandem synthesis of oxazolo-fused pyrroloquinolines from o-alkynylaldehydes via Ag(I)-catalyzed regioselective 5-exo-dig ring closure | Rajeev Ranjan Jha, Trapti Aggarwal and Akhilesh K. Verma,* | Tetrahedron Lett. | 0040-4039 |
| 147 | “Base-Mediated Chemo- and Stereoselective Addition of 5-Aminoindole/Tryptamine and Histamines onto Alkynes” | Akhilesh K. Verma,* Monika Patel, Megha Joshi, Pravin R. Likhar, Rakesh K. Tiwari, Keykavous Parang | J. Org. Chem | 0022-3263 |
| 148 | “Base-catalysed stereoselective intermolecular addition of imidazoles onto alkynes: An easy access to imidazolyl enamines” | Monika Patel, Rakesh K. Saunthawal and Akhilesh K. Verma, | Tetrahedron Lett | 0040-4039 |
| 149 | “Stereoselective tandem synthesis of thiazolo fused naphthyridines and thienopyridines from o-alkynylaldehydes via Au(III)-catalyzed regioselective 6-endo-dig ring closure | Rajeev R. Jha, Rakesh K. Saunthawal and Akhilesh K. Verma | Org. Biomol. Chem | 1477-0520 |
| 150 | Synthesis of 2-Aryl/Heteroaryloxazolines from Nitriles under Metal and Catalyst-Free Conditions and Evaluation of Their Antioxidant Activities | Garg, P.; Chaudhary, S.; Milton; M. D. | J. Org. Chem. | 8668-8677 |
| 151 | Designed benzimidazolium salts: Modulation of fluorescence response towards metal cations in pure aqueous media | Lal, A. K.; Milton, M. D. | Sensors and Actuators B | 0925-4005 |
| 152 | Synthesis of new benzimidazolium salts with tunable emission intensities and their application as fluorescent probes for Fe ³⁺ in pure aqueous media | Lal, A. K.; Milton, M. D. | Tetrahedron Lett. | 0040-4039 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|-----------------------|-----------|
| 153 | Design, Synthesis and Preliminary Evaluation of a novel SPECT DTPA-bis-triazaspirodecanone Conjugate for D2 Receptor Imaging | Sethi, S.; Varshney, R.; Rangaswamy, S.; Chadha, N.; Hazari, P. P.; Kaul, A.; K.; Chuttani, Milton; M. D.; Mishra, A. K. | RSC Adv. | 2046-2069 |
| 154 | Optically and magnetically doped ormosil nanoparticles for bioimaging: synthesis, characterization, and in vitro studies. | Kumar P, Anuradha, Roy, I | RSC Advances | 2046-2069 |
| 155 | Fluorophore-doped calcium phosphate nanoparticles for non-toxic biomedical applications | Anuradha, Joshi JC, Gulati K, Ray A, Roy, I | RSC Advances | 2046-2069 |
| 156 | Surface modified PMMA nanoparticles with tunable drug release and cellular uptake | Juneja R, Roy I. | RSC Advances | 2046-2069 |
| 157 | Ormosil nanoparticles as a sustained-release drug delivery vehicle | Roy I, Kumar P, Kumar R, Ohulchanskyy TY, Yong KT, Prasad PN | RSC Advances | 2046-2069 |
| 158 | Surface modified silica nanoparticles for synchronous magnetic resonance imaging and drug delivery applications | Henam Premananda Singh , Susmita Mitra and Rakesh Kumar Sharma | R.SC Advance | 2046-2069 |
| 159 | Ethnopharmacological Damdei plant extract assisted synthesis of copper nanoparticles and evaluation in non-enzymatic kinetics of o-dianisidine oxidation. | Henam Premananda Singh, Nikesh Gupta, Rakesh Kumar Sharma | J. Biomed. Ther. Sci, | 2394-2274 |
| 160 | Biogenic synthesis of metal nanocatalysts using Mimosa pudica leaves for efficient reduction of aromatic nitrocompounds | Henam Premananda Singh, Sandeep Sharma, Surinder Kumar Sharma Rakesh Kumar Sharma | R.SC Advance | 2046-2069 |
| 161 | Enhanced Supercapacitor Performance by Incorporating Nickel In Manganese Oxide | P. Ahuja, S. K. Ujjain, R. K. Sharma, G. Singh | Rsc Advances | 2046-2069 |
| 162 | Multiwalled carbon nanotube supported polypyrrole manganese oxide composite supercapacitor electrode: Role of manganese oxide dispersion in performance evolution | S. Grover, S. Shekhar, R. K. Sharma G. Singh | Electrochimica Acta | 0013-4686 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|--|-----------|
| 163 | Sonochemically synthesized Reduced Graphene Oxide Supported SnO ₂ Nanocomposite For Charge Storage | V. Sahu, S. Lalwani, G. Singh, R. K. Sharma | Advance Science Letters | 1936-6612 |
| 164 | Performance evaluation of asymmetric supercapacitor based on Cobalt Manganite modified Graphene nanoribbons | P. Ahuja, V. Sahu, S.K. Ujjain, R. K. Sharma, G. Singh | Electrochimica Acta | 0013-4686 |
| 165 | Design and synthesis of 4-pyrazolyl-1,4-dihydropyridines and their antihypertensive activity | Rakesh Kumar, Jyoti Arora, Neha Yadav and Ashok K Prasad | International Journal of Advance Research in Science and Engineering | 2319-8354 |
| 166 | Synthesis and antimicrobial studies of pyrimidine pyrazole heterocycles | Rakesh Kumar, Jyoti Arora, Sonam Ruhil, Neetu Phougat, Anil K. Chhillar, and Ashok K .Prasad | Advances in Chemistry | 2356-6612 |
| 167 | Antimicrobial activity of newly synthesized hydroxamic acid of pyrimidine-5-carboxylic acid and its complexes with Cu(II), Ni(II), Co(II) and Zn(II) metal ions | Bhawani Shankar, Rashmi Tomar, Rakesh Kumar, Madhu Godhara and Vijay Kumar Sharma | Journal of Chemical and Pharmaceutical Research | 0975-7384 |
| 168 | Synthesis, characterization and antimicrobial activity of novel hydroxamic acids of pyrimidine-5-carboxylic acid and their complexes | Rashmi Tomar, Bhawani Shankar, Rakesh Kumar, Madhu Godhara, Vijay Kumar Sharma | International Journal of Innovative Technology and Exploring Engineering | 2278-3075 |
| 169 | A comparative study of myoglobin stability in the presence of Hofmeister anions of ionic liquids and ionic salts | Awanish Kumar and P.Venkatesu | Process Biochemistry | 1359-5113 |
| 170 | A Comprehensive Experimental Study to Understand the Hofmeister Series of Anions of Aqueous Imidazolium-based ILs on Glycine Peptides | Varadhi Govinda and P. Venkatesu | Industrial & Engineering Chemistry Research | 0888-5885 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|---|-----------|
| 171 | Quantitative evaluation of the ability of ionic liquids to offset the cold-induced unfolding of proteins | Awanish Kumar, Anjeeta Rani and P. Venkatesu | Phys. Chem. Chem. Phys. (communication) | 1463-9076 |
| 172 | Thermodynamic contribution of amino acids in ionic liquids towards protein Stability | Awanish Kumar, P.Venkatesu, M. Taha and Ming-Jer Lee | Current Biochemical Engineering | 2212-7127 |
| 173 | Thermophysical properties for the mixed solvents of N-methyl-2-pyrrolidone with some of the imidazolium-based ionic liquids | T. Kavitha, T.Vasanta, P.Venkatesu, R.S.Rama Devi and T.Hofman | Journal of Molecular Liquids | 0167-7322 |
| 174 | Thermophysical Properties of Aqueous Solution of Ammonium-Based Ionic Liquids | R. Umapathi, P. Attri and P.Venkatesu | J. Phys. Chem. B | 1520-6106 |
| 175 | Variation in the structural changes of myoglobin in the presence of several protic ionic liquid | P. Attri, Indrani Jha, E. H. Choi and P.Venkatesu | International J. of Biological Macromolecule | 0141-8130 |
| 176 | Unexpected effects of the alteration of structure and stability of myoglobin and hemoglobin in ammonium-based ionic liquids | Indrani Jha, P.Attri and P.Venkatesu | Phys. Chem. Chem. Phys. | 1463-9076 |
| 177 | Interactions of ionic liquids with hydration layer of poly(N-isopropylacrylamide): Comprehensive analysis of biophysical techniques results | P. M. Reddy, R. Umapathi and P. Venkatesu | Phys. Chem. Chem. Phys., | 1463-9076 |
| 178 | Influence of hydroxyl group position and temperature on thermophysical properties of tetraalkylammonium hydroxide ionic liquids with alcohols | P. Attri, K. Y. Baik, P. Venkatesu, In Tae Kim, Eun Ha Choi | Plos One | 1932-6203 |
| 179 | Influence of ionic liquids on the critical micellization temperature of a tri-block co-polymer in aqueous media | P. M. Reddy and P. Venkatesu | Journal of Colloid & Interface Science | 0021-9797 |
| 180 | Does the stability of proteins in ionic liquids obeys the Hofmeister series? (<i>Review</i>) | Awanish Kumar and P. Venkatesu | International J. of Biological Macromolecules | 0141-8130 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|---|-----------|
| 181 | The stability of insulin in presence of short alkyl chained imidazolium-based ionic liquids. | Awanish Kumar and P. Venkatesu | RSC Advances | 2046-2069 |
| 182 | Evaluation of Thermophysical Properties of Ionic Liquids with Polar Solvent: A Comparable Study of Two Families of Ionic Liquids with Various Ions. | V. Govinda, P. Attri, P.Venkatesu and P.Venkateswarlu | Journal of Physical Chemistry B 2013, 117, 12535-12548. | 1520-6106 |
| 183 | The solubility and stability of amino acids in biocompatible ionic liquids | T. Vasantha, A. Kumar, P. Attri, R.S. Rama Devi | Protein and Peptide Letters | 0929-8665 |
| 184 | Synthesis and Characterization of Some Transition Metal Complexes of Norfloxacin in presence of 1, 10-phenanthroline | A. Debnath, F. Hussain, Dhanraj T. Masram | Taylor & Francis | 2164-202X |
| 185 | “Sensitive and Reliable Ascorbic Acid Sensing by Lanthanum oxide/Reduced Graphene oxide nanocomposite | Navin Mogha, V. Sahu, M. Sharma, Raj Kishor Sharma, Dhanraj T. Masram | Applied Biochemistry and Biotechnology Springer | 1559-0291 |
| 186 | Synthesis of Resin VI: Salicylic Acid, Diaminobenzoic acid and Formaldehyde Resin and Its Ion Exchange Properties | Dhanraj T. Masram, K. P. Kariya and N. S. Bhave | Der Pharma Chemica, Scholars Research Library | 0975-413X |
| 187 | Synthesis, Characterization and Antifungal Studies of Cr(III) complex of Norfloxacin and Bipiridyl Ligand | A. Debnath, F. Hussain, Dhanraj T. Masram | Bioinorganic Chemistry and Applications | 1687-479X |
| 188 | Synthesis of Polymeric Brushes from Graphene Oxide via Surface Initiated ATRP for the Detection of the Dinitrotoulene | Navin Mogha, S. Zha, Dhanraj T. Masram | Adv. Sci. Lett. | 1936-7317 |
| 189 | Microwave-assisted Cu(I)-catalyzed, three-component synthesis of 2-(4-((1-phenyl-1H-1,2,3-triazol-4-yl)methoxy)phenyl)-1H-benzo[d]imidazoles | Yogesh Kumar, Vijay Bahadur, Anil K. Singh, V. S. Parmar, Erik V. Van der Eycken, Brajendra K. Singh | Beilstein J. Org. Chem | 1860-5397 |
| 190 | Synthesis, structural aspects and Nonlinear optical properties of novel phthalimide derivatives: Theoretical and Experimental approach | Anil K. Singh, V. Balachandran, N Vijayan, VijayBahadur, Brajendra K. Singh and Brijesh Rathi | Journal of Physical Organic Chemistry | 1099-1395 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|---|---------------------------------------|-----------|
| 191 | O ₂ -dependent efficacy of novel piperidine/piperazine-based chalcones against the human parasite <i>Giardia intestinalis</i> | Vijay Bahadur, Daniela Mastronicola, Hemandra Kumar Tiwari, Yogesh Kumar, Micol Falabella, Leopoldo Paolo Pucillo, Paolo Sarti, Alessandro Giuffrè and Brajendra K. Singh | Antimicrobial Agents and Chemotherapy | 1098-6596 |
| 192 | Potentials of hydrogels in cancer therapy | Prem Prakash Sharma, Ravindra Kumar, Anil K. Singh, Brajendra K. Singh, Ajay Kumar, Brijesh Rathi | Current Cancer Therapy Reviews | 1875-6301 |
| 193 | Chiral MnIII–salalen and –salan Complexes Derived from (S)-Pyrrolidin-2-yl–methanamine and Their Catalytic Activity in the Asymmetric Strecker Reaction | P. Kumar, S. Saravanan, N. H. Khan, F. Hussain, S. Singh* | Eur. J. Inorg. Chem. | 1434-1948 |
| 194 | Lanthano-phosphotungstates: A water soluble and reusable catalyst for oxidation of alcohols using H ₂ O ₂ as an oxidant | M. Saini, R. Gupta, S. Parbhakar, S. Singh* and F. Hussain* | RSC Adv. | 2046-2069 |
| 195 | N-Fluorobenzenaminium tetrafluoroborate generate in situ by aniline and Selectfluor as a reusable catalyst for ring opening of epoxides with amines under microwave irradiation | M. S. Chauhan, G. D. Yadav, F. Hussain, S. Singh* | Catal. Sci. Technol. | 2044-4753 |
| 196 | Ring opening of epoxides with alcohols using Fe(Cp) ₂ BF ₄ as catalyst | G. D. Yadav and S. Singh* | Tetrahedron Lett. | 0040-4039 |
| 197 | Fe(Cp) ₂ BF ₄ : An efficient Lewis acid catalyst for the aminolysis of epoxides | G. D. Yadav, M. S. Chauhan and S. Singh* | Synthesis | 0039-7881 |
| 198 | Multiply twinned AgNi alloy nanoparticles as highly active catalyst for multiple reduction and degradation reactions | M. Kumar, Sasanka Deka | ACS Appl. Mater. Interfaces | 1944-8244 |
| 199 | Preferential growth of Au on CdSe quantum dots using Langmuir–Blodgett technique | S. Das, B. Satpati, H. Chauhan, Sasanka Deka, C. S. Gopinath, T. Bala | RSC Advances | 2046-2069 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|---|-----------|
| 200 | Design of 3-Dimensionally Self-Assembled CeO ₂ Nanocube as a Breakthrough Catalyst for Efficient Alkylarene Oxidation in Water | K. Deori, D. Gupta, B. Saha, Sasanka Deka | ACS Catal. | 2155-5435 |
| 201 | New synthesis of two-dimensional CdSe/CdS core@shell dot-in-hexagonal platelet nanoheterostructures with interesting optical properties | H. Chauhan, Y. Kumar, Sasanka Deka | Nanoscale | 2040-3372 |
| 202 | Photoelectrical properties of surfactant free kesterite Cu ₂ ZnSnSe ₄ hydrophilic nanocrystal ink and the stability in polar solvents | P. Kush, Sasanka Deka | J. Nanoparticle Research. | 1388-0764 |
| 203 | Anion (Fluoride)-Doped Ceria Nanocrystals: Synthesis, Characterization, and its Catalytic Application to Oxidative Coupling of Benzylamines | Shahzad Ahmad, Kovuru Gopalaiah, S. N. Chandrudu, Rajamani Nagarajan | Inorganic Chemistry | 1520-510X |
| 204 | [NiFe]hydrogenases: How close do structural and functional mimics approach the active site ?, Dalton Trans. 2014, 43, 9392-9405. | Sandeep Kaur- Ghumaan* and M. Stein | Dalton Trans. | 1477-9226 |
| 205 | Synthesis, characterization and antifungal studies of metalloquinolone [Cd ₂ (nal) ₂ (phen) ₂ (Cl) ₂] | Debnath, A., Hussain, F., & Masram, D. T. | Complex Metals: An Open Access Journal | 2164-232X |
| 206 | Syntheses, Crystal Structures and Solid-State Properties of the Lanthanoid-Containing Nanoclusters [(Ln ₂ PW ₁₀ O ₃₈) ₄ (W ₃ O ₈)(OH) ₄ (H ₂ O) ₂] ²⁶⁻ | Gupta, R., Saini, M. K., & Hussain, F. | European Journal of Inorganic Chemistry | 1099-0682 |
| 207 | Chiral MnIII–salalen and–salan Complexes Derived from (S)-Pyrrolidin-2-ylmethanamine and Their Catalytic Activity in the Asymmetric Strecker Reaction | Kumar, P., Saravanan, S., Khan, N., Hussain, F., & Singh, S. | European Journal of Inorganic Chemistry | 1099-0682 |
| 208 | Synthesis, Characterization, and antifungal studies of Cr (III) complex of norfloxacin and bipyridyl ligand | Debnath, A., Hussain, F., & Masram, D. T. | Bioinorganic Chemistry and Applications | 1687479X, |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|--|-----------|
| 209 | Synthesis and crystal structure of a wheel-shaped supramolecular coordination complex | Gupta, D., Rajakannu, P., Shankar, B., Hussain, F., & Sathiyendiran, M. | Journal of Chemical Sciences | 0974-3626 |
| 210 | Synthesis of novel 2-mercaptobenzoxazole based 1, 2, 3-triazoles as inhibitors of proinflammatory cytokines and suppressors of COX-2 gene expression | Haider, S., Alam, M. S., Hamid, H., Shafi, S., Dhulap, A., Hussain, F., Alam, P., Umar, S., Pasha, M.A.Q., Bano, S., Nazreen, S., Ali, Y., & Kharbanda, C. | European Journal of Medicinal Chemistry | 0223-5234 |
| 211 | Synthesis and evaluation of some new pyrazoline substituted benzenesulfonylureas as potential antiproliferative agents | Rathore, P., Yaseen, S., Ovais, S., Bashir, R., Yaseen, R., Hameed, A. D., Samim, M., Gupta, R., Hussain, F., & Javed, K. | Bioorganic & Medicinal Chemistry Letters | 0960-894X |
| 212 | Luminescent dirhenium (I)-double-heterostranded helicate and mesocate | Shankar, B., Sahu, S., Deibel, N., Schweinfurth, D., Sarkar, B., Elumalai, P., Gupta, D., Hussain, F., Krishnamoorthy, G., & Sathiyendiran, M. | Inorganic Chemistry | 0020-1669 |
| 213 | Crystal structures and DFT calculations of new chlorido-dimethylsulfoxide-M ^{III} (M = Ir, Ru, Rh) complexes with the N-pyrazolyl pyrimidine donor ligand: kinetic vs. thermodynamic isomers | Cánaves, M. M., Cabra, M. I., Bauzá, A., Cañellas, P., Sánchez, K., Orvay, F., García-Raso, A., Fiol, J.J., Terrón, A., Barceló-Oliver, M., Ballester, P., Mata, I., Molins, E., Hussain, F., & Frontera, A. | Dalton Transactions | 1477-9226 |
| 214 | Lanthano-phosphotungstate: A water soluble and reusable catalyst for oxidation of alcohols using H ₂ O ₂ as an oxidant | Saini, M. K., Gupta, R., Parbhakar, S., Singh, S., & Hussain, F. | RSC Advances | 2046-2069 |
| 215 | N-Fluorobenzenaminium tetrafluoroborate generated in situ by aniline and Selectfluor as a reusable catalyst for the ring opening of epoxides with amines under microwave irradiation | Chauhan, M. S., Yadav, G. D., Hussain, F., & Singh, S. | Catalysis Science & Technology | 2044-4761 |
| 216 | Microwave assisted base dependent regioselective synthesis of partially reduced chromenes, isochromenes and phenanthrenes | Yadav, P., Singh, S., Sahu, S. N., Hussain, F., & Pratap, R. | Organic and Biomolecular Chemistry | 1477-0520 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|---|---|-----------|
| 217 | Dimeric complexes of rare-earth substituted Keggin-type silicotungstates: syntheses, crystal structure and solid state properties | Saini, M. K., Gupta, R., Parbhakar, S., Mishra, A. K., Mathur, R., & Hussain, F. | RSC Advances | 2046-2069 |
| 218 | Lanthanoid containing phosphotungstates: the syntheses, crystal structure, electrochemistry, photoluminescence and magnetic properties | Gupta, R., Saini, M. K., Doungmene, F., Oliveira, P. D., & Hussain, F. | Dalton Transactions | 1477-9226 |
| 219 | Substituent dependent tunable fluorescence in thieno[3,2-c]pyrans | Sahu, S. N.; Gupta, M. K.; Jadhav, T.; Yadav, P.; Singh, S.; Misra, R.; Pratap, R | RSC Adv. | 2046-2069 |
| 220 | Base mediated synthesis of α -aminated aroyl/acetylnaphthalenes through [4+2] annulations | Singh, S.; Althagafi, I.; Yadav, P.; Panwar, R.; Kumar, A.; Pratap, R. | Tetrahedron | 0040-4020 |
| 221 | One pot synthesis of arylated benzo[h]quinolines | Singh, S.; Yadav, P.; Sahu, S. N.; Sharon, A.; Kumar, B.; Ram, V. J.; Pratap, R. | Synlett | 0936-5214 |
| 222 | Natural and Synthetic Chromenes, Fused Chromenes and Versatility of Dihydrobenzo[h]chromenes in Organic Synthesis | Pratap, R.; Ram, V. J.; | Chem. Rev. | 1520-6890 |
| 223 | Bis(Methylpyridine)-EDTA Derivative as a Potential Ligand for PET Imaging: Synthesis, Complexation and Biological Evaluation | Singh, P.; Agrawal, S.; Tiwari, A. K.; Kumar, V.; Pratap, R.; Chuttani, K.; Mishra, A. K. | Chem. Biol. & Drug Design | 1747-0285 |
| 224 | . Regioselective synthesis of polycyclic aza-oxa and aza-oxa-thia heteroarenes as Colo-205 and HepG2 carcinoma cells growth inhibitors | Maurya, H. K.; Gautam, S. K.; Pratap, R.; Tandon, V. K.; Kumar, A.; Kumar, B.; Saxena, S.; Tripathi, D.; Rajwanshi, M.; Das, M.; Ram, V. J. | European Journal of Medicinal Chemistry | 0223-5234 |
| 225 | . Synthesis of 1-amino-2-aryloxy/acetylnaphthalenes through base mediated one pot inter and intramolecular C-C bond formation strategy | Singh, S.; Yadav, P.; Sahu, S. N.; Althagafi, I.; Kumar, A.; Kumar, B.; Ram, V. J.; Pratap, R. | Org. Biomol. Chem. | 1477-0539 |
| 226 | Microwave assisted base dependent regioselective synthesis of partially reduced chromenes, isochromenes and phenanthrenes | Yadav, P.; Singh, S.; Sahu, S. N.; Hussain, F.; Pratap, R. | Org. Biomol. Chem. | 1477-0539 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|---|--------------|
| 227 | Aerobic Oxidation of 1,10-Phenanthroline to Phen-dione Catalyzed by Copper(II) 3 Complexes of a Benzimidazolyl Schiff Base. | Kumar. R, Mathur. P | RSC Advances | 2046-2069 |
| 228 | Copper(II) metallatriangles formed through ligand sharing: Structural, Magnetic and Catalytic Studies | Mahiya. K, Kumar. R, Lloret. F, Mathur. P, | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | 1386-1425 |
| 229 | p-quinoneimine as an intermediate in the oxidative coupling of 2-amino-5- methylphenol to 4a,7-dimethyldihydro-2-aminophenoxazinone catalyzed by a monomeric copper(II)complex | Yadav. A, Mathur. P | Catalysis Communications | 1566-7367 |
| 230 | Elucidating the role of cobalt phthalocyanine in the dehydration of carbohydrates in ionic liquids | K.K. Yadav, S. Ahmad | J. Mol. Catal. A: Chem., | 1381-1169 |
| 231 | Efficient ZnCl ₂ assisted synthesis of calix[4]pyrroles catalysed by Brønsted acidic ionic liquid | A.K. Rawat S.M.S. Chauhan | Tet. Lett., | 0040-4039 |
| 232 | Highly efficient synthesis of 21-thia-5,10,15,20-tetraarylporphyrins and 21,23-dithia-5,10,15,20-tetraarylporphyrins in presence of acidic ionic liquid catalyst | A.K. Rawat, S. Bhattacharya | Tet. Lett., | 0040-4039 |
| 233 | Surfactant assisted self assembly of zinc 5,10-bis (4-pyridyl)-15,20-bis (4-octadecyloxyphenyl) porphyrin into supramolecular nanoarchitectures | R. Gautam | J. Material. Chem C | 2050-7534 |
| 234 | Sulfonated graphene catalyzed synthesis of expanded porphyrins and their supramolecular interaction with pristine graphene | S. Mishra, S. Arora, R. Nagpal | J. Chem. Sciences. | 17.0974-3626 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|----------------------------------|-------------------------------|--------------|
| 235 | Convenient and efficient method for the synthesis of phthalocyanines and metallophthalocyanines in task specific 2-hydroxyethyl ionic liquids | K.K. Yadav, Poonam | Synth. Commun. | 1532-2432 |
| 236 | 1-Butyl-3-methyl imidazolium acetate catalyzed synthesis of N-substituted-5- arylidene-rhodanines | S.J. Singh, S. Ahmad | J. Heterocyclic Chem | 0022-152X |
| 237 | Activity-guided isolation of antioxidants from the leaves of Terminalia arjuna | Ambika, P.P. Singh | Natural Product Research, | 1478-6419 |
| 238 | Hydrogen Bonded non-covalent synthesis by reaction of porphyrin appended calix[4]arene with 5,5-diethylbarbituric acid in solution | T. Bisht, B. Garg | J Incl Phenom Macrocycl Chem. | 19.0923-0750 |
| 239 | Synthesis of 5,10,15,20-mesounsubstituted and 5,10,15,20-mesosubstituted-21,23-ditellura/diselena core-modified porphyrinogens: oxidation and detection of mercury(II) | S. Ahmad, K.K. Yadav, S.J. Singh | RSC Advances | 2046-2069 |
| 240 | Montmorillonite-PLGA nanocomposites as an oral extended drug delivery vehicle for venlafaxine hydrochloride | Jain, S.; Datta, M | Applied clay science | 0169-1317 |
| 241 | Adsorption characteristics of victoria blue on low cost natural sand and its removal from aqueous media | Kant, A; Datta, M | European chemical Bulletin | 2063-5346 |
| 242 | Naturally occuring clay, montmorillonite, as a drug delivery vehicle for in vitro extended release of venlafaxine hydrochloride | Jain, S.; Datta, M | European chemical Bulletin | 2063-5346 |
| 243 | Adsorption studies of zinc(II) ions on biopolymer composite beads of alginate-fly ash | Nadeem, U; Datta. M | European chemical Bulletin | 2063-5346 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|---|-------------|
| 244 | Organoclay pluronic f68 – montmorillonite, as a sustained release drug delivery vehicle for Propranolol hydrochloride | Seema, Datta, M | European chemical Bulletin | 2063-5346 |
| 245 | . In vitro release of sodium diclofenac from poloxamer 188 modified montmorillonite as an oral drug delivery vehicle | Kaur, M., Datta, M. | International Journal of Pharmacy and Pharmaceutical Sciences | 0975 - 1491 |
| 246 | Diclofenac sodium adsorption onto montmorillonite: adsorption equilibrium Studies and drug release kinetics | Kaur, M., Datta, M | Adsorption science & technology | 2636174 |
| 247 | Synthesis of Coumarin Derivatives: A Green Process, | Chaudhary ,R.; Datta M | European Chemical Bulletin | 2063-5346 |
| 248 | Comparative study of efficiency of heteropoly acids intercalated Bentonite | Chaudhary ,R.; Datta M. | International Journal of Chemical & Petrochemical Technology | 2277-4807 |
| 249 | Molecular engineering of electrically conducting polymers using artificial intelligence methods | A K Bakhshi, Vinita Kapoor & PriyankaThakra | Applications of Metaheuristics in Process Engineering, | 2075-1702 |
| 250 | Computational atomistic blueprinting of novel conducting copolymers usingparticle swarm optimization | Priyanka Thakral & A K Bakhshi, | Journal of Computer Aided Molecular Design | 1573-4951 |
| 251 | In-silico architecturing of novel hetero-aromatic bicyclic copolymers using particle swarm optimization algorithm | Priyanka Thakral, Vinita Kapoor & A K Bakhshi, | Indian J. Chemistry | 0975-0983 |
| 252 | Synthesis and Biological Evaluation of Novel Bisbenzimidazoles as <i>Escherichia coli</i> Topoisomerase IA Inhibitors and Potential Antibacterial Agents | Nimesh H. , Sur S, Sinha D., Yadav P, Anand P, Bajaj P, Viridi J S, Tandon V*. | J. Med. Chem. | 0022-2623 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|------------------------------|------------|
| 253 | Novel third-generation water-soluble noscapine analogs as superior microtubule-interfering agents with enhanced antiproliferative activity. | Henary M, Narayana L, Ahad S, Gundala S R, Mukkavilli R, Sharma V, Owens EA, Yadav Y, Nagaraju M, Hamelberg D, Tandon V, Panda D, Aneja R. | Biochem. Pharmacol | 0006-2952 |
| 254 | HupB, a nucleoid-associated protein of Mycobacterium tuberculosis, is modified by serine/threonine protein kinases in vivo | Gupta M, Sajid A, Sharma K, Ghosh S, Arora G, Singh R, Nagaraja V, Tandon V, Singh Y | J of Bacteriol. | 0021-9193 |
| 255 | Enterohepatic re-circulation of bioactive ginger phytochemicals is associated with enhanced tumor growth-inhibitory activity of ginger extract | Gundala S. R , Mukkavilli R, Yang C, Yadav P, Tandon V, Vangala S, Prakash S, Aneja R. | Carcinogenesis | 0143-3334 |
| 256 | Uniform mesoporous silicoaluminophosphate derived by vapor phase treatment: Catalytic and Kinetic study in hydro-isomerization of 1-octene | Singh, A. K., Kondamudi, K., Yadav, R., Upadhyayula, S and Sakthivel, A. * | J. Phys. Chem. C | 1932-7447 |
| 257 | Silicoaluminophosphate molecular sieves as potential catalysts for hydroisomerization of alkane and alkenes, | Yadav, R., and Sakthivel, A. * | Appl. Catal. A. Gen | 0926-860X |
| 258 | Silicate anion intercalated cobalt-aluminium hydrotalcite (CoAl-HT-Si) a potential catalysts for alcohol oxidation, | Baskaran, T., Kumaravel, R., Christopher, J., and Sakthivel, A. * | RSC Advances | 2046-2069; |
| 259 | Mesoporous silico-aluminophosphates derived from microporous precursors as promising catalyst for hydroisomerization | Singh, A. K., Yadav, R., Sudarshan, V, Kondamudi, K ., Ubadhyayula, S., and Sakthivel, A. * | RSC Advances | 2046-2069 |
| 260 | Cobalt-Aluminium hydrotalcite containing interlayer mesoporous silicate framework (SBA-15): Promising recyclable catalysts for oxidation of alkyl aromatics | Baskaran, T., Christopher, J., and Sakthivel, A. * | Advanced Porous Materials | 2327-3941 |
| 261 | Titanium hydrogenphosphate: An efficient dual acidic catalyst for 5-hydroxymethylfurfural (HMF) production | Alam, M.I.De, S.Singh, B. Saha, B. Abu-Omar, M.M. | Applied Catalysis A: General | 0926-860X |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|-------------------------------------|-----------|
| 262 | Design of 3-dimensionally self-assembled CeO ₂ nanocube as a breakthrough catalyst for efficient alkylarene oxidation in water | Deori, K. Gupta, D. Saha, B. Deka, S | ACS Catalysis | 2155-5435 |
| 263 | Synthesis of 5-hydroxymethylfural from carbohydrates using large-pore mesoporous tin phosphate | Dutta, A.Gupta, D. Patra, A.K.Saha, B. Bhaumik, A | ChemSusChem | 1864-5631 |
| 264 | In situ silver nanoparticles synthesis in agarose film supported on filter paper and its application as highly efficient SERS test stripes | Raza, A, Saha, B | Forensic Science International | 379-0738 |
| 265 | Efficient solid acid catalyst containing lewis and brønsted acid sites for the production of furfurals | Mazzotta, M.G. Gupta, D. Saha, B. Patra, A.K.Bhaumik, A. Abu-Omar, M.M | ChemSusChem | 1864-5631 |
| 266 | Silver nanoparticles doped agarose disk: Highly sensitive surface-enhanced Raman scattering substrate for in situ analysis of ink dyes | Raza, A. Saha, B | Forensic Science International | 0379-0738 |
| 267 | Neutral heteroleptic rhenium-based M ₃ L ₃ L' type metallacycles: Synthesis, structural characterization and DFT/TDDFT studies | Shankar, B., Elumalai, P., Shanmugam, R., Sathiyendiran, M. | Journal of Organometallic Chemistry | 0022-328X |
| 268 | Luminescent dirhenium(I)-double-heterostranded helicate and mesocate | Shankar, B., Sahu, S., Deibel, N., Schweinfurth, D., Sarkar, B., Elumalai, P., Gupta, D., Hussain, F., Krishnamoorthy, G., Sathiyendiran, M. | Inorganic Chemistry | 0020-1669 |
| 269 | Synthesis and characterization of a tetrametallic coordination complex of tetrahydroxy-p-benzoquinone | Gupta, D., Shankar, B., Elumalai, P., Shanmugam, R., Mobin, S.M., Weisser, F., Sarkar, B., Sathiyendiran, M | Journal of Organometallic Chemistry | 0022-328X |
| 270 | Synthesis and crystal structure of a wheel-shaped supramolecular coordination complex | Gupta, D., Rajakannu, P., Shankar, B., Hussain, F., Sathiyendiran, M. | Journal of Chemical Sciences | 0974-3626 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|---|--|--|-------------------|
| 271 | Molybdenum-based cyclopentadienyl carbonyl complexes as precursors for epoxidation catalysts | Sakthivel, A., Sathiyendiran, M. | Molybdenum and its Compounds: Applications, Electrochemical Properties and Geological Implications | 978-1-63321-210-7 |
| 272 | Spheroid metallocavitands with eight calixarene-shaped receptors on the surface | Shankar, B., Elumalai, P., Deval Sathiyashivan, S., Sathiyendiran, M. | Inorganic Chemistry | 0020-1669 |
| 273 | Thiophene/furan units decorated unsymmetrical dinuclear metallocalix[4]arenes | Rajakannu, P., Mobin, S.M., Sathiyendiran, M. | Journal of Organometallic Chemistry | 0022-328X |
| 274 | An efficient catalyst free synthesis of nitrogen containing spiro heterocycles via [5 + 1] double Michael addition reaction | Komal Aggarwal, Kanika Vij, J. M. Khurana | RSC Advances | 2046-2069 |
| 275 | Application of acidic and basic TSIL in multicomponent reactions | Ankita Chaudhary, Pooja Saluja, Komal Aggarwal and Jitender M. Khurana | Journal of the Indian Chemical Society | 0019 4522 |
| 276 | Synthesis, spectral and structural studies of silver and gold(I) complexes containing some symmetrical diphosphine ligands | M. Trivedi, Bhaskaran, G. Singh, A. Kumar, N.P. Rath | Journal of Organometallic Chemistry | 0022-328X |
| 277 | Cyano-bridged copper(II)-copper(I) mixed-valence coordination polymer as source for copper oxide nanoparticles with catalytic activity in C-N, C-O and C-S cross-coupling reactions | M. Trivedi, S.k. Ujjain, R. K. Sharma, G. Singh, A. Kumar, N.P. Rath | New Journal of Chemistry | 1369-9261 |
| 278 | A fast and selective probe for monitoring Pd ²⁺ in aqueous medium via the dual-optical readout | A. Kumar, M. Chhatwal, A.K. Singh, V. Singh, M. Trivedi | Chem. Commun. | 1359-7345 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|--|---------------------------------------|-----------|
| 279 | Syntheses, Characterization, and Structural studies of Copper(I) complexes containing 1,1'-bis(di-tert-butylphosphino) ferrocene (dtbpf) and their Application in Palladium-Catalyzed Sonogashira Coupling of Aryl halides | M. Trivedi, G. Singh, A. Kumar, N.P. Rath | Dalton Transactions. | 1477-9234 |
| 280 | Cyano and end-to-end azido bridged 3D copper(II)-copper(I) mixed-valence coordination polymer and its transformation to copper nitride nanoparticles | M. Trivedi, G. Singh, A. Kumar, N.P. Rath | RSC Advances | 2046-2069 |
| 281 | Syntheses, Characterization, and Electrochemistry of Compounds Containing 1-Diphenylphosphino-1'-(di-tert-butylphosphino)ferrocene (dppdtbpf) | M. Trivedi, S.K. Ujjain, G. Singh, A. Kumar, S.K. Dubey, N.P. Rath | Journal of Organometallic Chemistry | 0022-328X |
| 282 | Chromones and their Derivatives as Radical Scavengers: A Remedy for Cell Impairment | P. Yadav, B. Parshad, P. Manchanda, S. K. Sharma | Curr. Top. Med. Chem. | 1873-5294 |
| 283 | Synthesis of two-photon active cinnamoyl coumarins for high-contrast imaging of cancer cells and their photophysical characterization | P. Yadav, S. Satapathi, M. Kumari, A. Chaturvedi, L. Li, L. A. Samuelson, J. Kumar, S. K. Sharma | J. Photochem. Photobiol. A: Chemistry | 1010-6030 |
| 284 | Silica nanospheres supported diazafluorene iron complex: an efficient and versatile nanocatalyst for the synthesis of propargylamines from terminal alkynes, dihalomethane and amines | R. K. Sharma, Shivani Sharma and Garima Gaba | RSC Advances | 2046-2069 |
| 285 | Diacetylmonoxime Functionalized Silica Gel: An Efficient and Recyclable Organic Inorganic Hybrid Material for Selective Removal of Copper from Fly ash Ameliorated Soil Samples | R. K. Sharma, Aditi Puri, Anil Kumar, Yukti Monga, Garima Gaba and Alok Adholeya | Separation Science and Technology | 1520-5754 |
| 286 | A Rapid and an Efficient Route to the One-pot, Multicomponent Synthesis of 1H-Pyrazolo[1,2-b]phthalazine-5,10-dione Ring Systems | Kidwai, M; Chauhan, R | Journal of Heterocyclic Chemistry | 1943-5193 |

Publications of Teachers of Department of Chemistry, University of Delhi in Year 2014

| | | | | |
|-----|--|---|---|-----------|
| 287 | An aqua mediated facile synthesis of conformationally restricted polycyclic dihydropyridines | Kidwai, M; Kukreja, S; Rastogi, S; Singhal, K; Mishra, N K | Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry | 0975-0983 |
| 288 | An investigatory study of antibacterial activity of functionalized spirooxindoles | Kidwai, M; Jain, A Singh, S; Nemaysh, V; Luthra, Pratibha M | Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry | 0975-0983 |