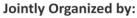
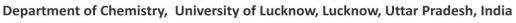
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POSTERS

Poster Number	Title & Author
P-1	Indolin-2-one linked 1,2,3-triazoles as EGFR (6P8Q) inhibitor Sujeet Kumar* ¹ , Subhas S. Karki ² , Arnika Das ² , Carmela Fimognari ³ , Rita Morigi ⁴ , Dominique Schols. ⁵ ¹ Department of Pharmaceutical Chemistry, Nitte College of Pharmaceutical Sciences (A constituent Unit of Nitte Education Trust), Yelahanka, Bengaluru-560064, Karnataka, India. ² Department of Pharmaceutical Chemistry, K.L.E College of Pharmacy, (A Constituent unit of KAHER-Belagavi), Bengaluru 560010, Karnataka, India. ³ Department for Life Quality Studies, Universit` a di Bologna, Rimini, Italy. ⁴ Department of Pharmacy and Biotechnology, Alma Mater Studiorum-Universit` a di Bologna, Italy. ⁵ Rega Institute for Medical Research, Laboratory of Virology and Chemotherapy, KU Leuven, B-3000 Leuven, Belgium.
P-2	Design and Synthesis of Some New Series of Polysubstituted Fused Pyrimidine Derivatives for their Biological Activity N. Verma [#] and D. N. Singh* Department of Chemistry, K. S. Saket PG College, Dr. R.M.L. Avadh University Ayodhya-224001, India.
P-3	Biomimmitic Catalysis for Environment Friendly One pot Multicomponent Synthesis of Chromeno[4,3-b]chromene-6,8,13-triones in aqueous micellar CTAB Manisha R. Bhosle* Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar- 431004, Maharashtra, India
P-4	Indanone-Benzimidazole hybrids as potential anti-Alzheimer's agents: Design, synthesis, biological evaluation, DFT, molecular docking and molecular dynamics study Rashi ¹ , Pragati Kushwaha ^{1,*} **Department of Chemistry, University of Lucknow, Lucknow-226007, (U.P.) India,
P-5	In Silico and In Vitro Assessment of Dashmool for SARS-CoV-2 Drug

Discovery

Urvisha Beladiya¹, Rajesh Patel¹*

Department of Biosciences, Veer Narmad South Gujarat University, Surat, Gujarat.

P-6 In Silico Evaluation of Morinda Anthraquinones as BACE1 Inhibitors: Potential Therapeutic Applications for Alzheimer's Disease Treatment

Pratima P. Pandey¹ and Maushmi S. Kumar¹*

¹Somaiya Institute for Research and Consultancy, Somaiya Vidyavihar University, Vidyavihar (East), Mumbai -400077, India.



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Himani Gupta, Dr. Anil Kumar*

Synthetic Organic Chemistry Lab., Faculty of Sciences, Shri Mata Vaishno Devi University, Katra, J&K

P-8 From Nature to Therapeutics: *In Silico* Molecular Docking of Bisindole Alkaloids as VEGFR2 Inhibitors for Melanoma Treatment

Aditi P. Agarwal ¹, Maushmi S. Kumar ^{* 1}

¹Somaiya Institute for Research and Consultancy, Somaiya Vidyavihar University, Vidyavihar (East), Mumbai - 400077, India.

P-9 "Design and modification of leelamine derivatives for their chemotherapeutic interest"

Shivali Dodiya¹* Dr. Mayank Pandya²

Center for Research and Development, Dr. Subhash University, Junagadh (362001), Gujarat, India.

P-10 Modified Eco-friendly and Low Cost Adsorbent for Efficient Removal of Dyes from Wastewater

Aayushi Patel, Saurabh Rai and Dr. Vimalesh Kumar Singh

Department of chemistry, Dr. Ambedkar Governmet P.G. College Unchahar Raebareli

P-11 Modified Eco-friendly and Low Cost Adsorbent for Efficient Removal of Dyes from Wastewater

Saurabh Rai, Aayushi Patel and Dr. Vimalesh Kumar Singh

Department of chemistry, Dr. Ambedkar Government P.G. College Unchahar Raebareli

P-12 Design, Synthesis, In silico and In vitro studies on 1,4-Naphthoquinone Tethered Hybrid Molecules as Anticancer Agents

Satyam Srivastava, Anamika Singh, Harish C. Upadhyay*

Department of Applied Sciences, Rajkiya Engineering College (Affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow), Churk, Sonbhadra-231206, India

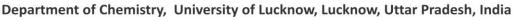
P-13 Enhanced Neuroprotective Potential of Marine Dietary Polyphenols: *In Vitro* Biotransformation and Evaluation of Acetylcholinesterase Inhibition for Alzheimer's Disease Treatment

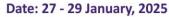
Anushree Gade¹, Maushmi S. Kumar^{1*}

¹Somaiya Institute for Research and Consultancy, Somaiya Vidyavihar University, Vidyavihar (East), Mumbai - 400077, India.









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P-14 Optimization and Pharmacological Evaluation for the Development of a Novel Combinational Oleoresin Capsicum based Riot Control Formulation.

Sanghita Das^{1,2}, Pronobesh Chattopadhyay^{2*}, Achintya Saha^{1*}, Abdul Baquee Ahmed³.

¹Pharmaceutical and fine chemical Technology, University of Calcutta, Kolkata, India.

²Department of pharmaceutical Science, Defence Research Laboratory, DRL-DRDO, Tezpur, Assam, India

³School of pharmaceutical science, Girijananda Chowdhury University, Tezpur, Assam, India.

P-15 "Synthesis, Spectral Studies and Anti-microbial screening of New Pyrazoline Derivatives"

Dishant Pahelajani Jeet Bhatt *Dr. Mayank Pandya¹

Centre for Research and Development, Dr. Subhash University, Junagadh (362001), Gujarat, India.

P-16 Development of 7-chloroquinolinyl hydrazone based thiazolidine-4-one analogues as anti-cancer agents by attenuating TLR4 activation

SK Batin Rahaman¹, Satyajit Halder², Kuladip Jana², Utsab Debnath¹*

¹School of Health Sciences and Technology, UPES, Dehradun – 248007, India; ²Department of Molecular Medicine, Bose Institute, Kolkata – 700068, India

P-17 Investigating the Antimicrobial Properties of a Probiotic-Derived Biosurfactant

Shruti S. Gawde¹, Dr. Maushmi S. Kumar¹*

¹Somaiya Institute for Research and Consultancy (SIRAC), Somaiya Vidyavihar University, Vidyavihar East, Mumbai - 400077, Maharashtra, India.

P-18 A Paradigm Shift in Platinum Chemotherapy: Unveiling Kinetically Inert Agents

Tushar Ranjan Panda and Malay Patra*

Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai

P-19 Optimizing IR detection assay condition in cell culture to save time and money

Onkar Sharma, Anita Dua, Sanjeeev Gupta, Ashwani Mittal*

Skeletal Muscle Lab, Institute of Integrated & Honors Studies, Kurukshetra University, Kurukshetra, Haryana - 136119

P-20 Organic framework-based sensors for organophosphorus/phosphate ions used in chemical warfare agents (OP CWAs)

Dr. Ishanki Bhardwaj

Department of Chemistry, Sir PT Sarvajanik College of Science, MTB College Campus, Jawaharlal Nehru Marg, Athwalines, Surat-395001, Gujarat.



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P-21 Exploring Electronic Effect on ESIPT-Driven pH Sensing: Mechanistic Insights and Amines sensing

Bharat Kaushik, Annu Agarwal, Ajeet Singh Inamur R. Laskar* Department of Chemistry, BITS PILANI, Pilani campus, Pilani, Rajasthan, 333031

P-22 Application of Computational Chemistry in Drug Discovery

¹Harsh Rander, ²Prof. (Dr.) Prashant S. Kharkar

¹School of Biological Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha, INDIA

²Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Matunga, Mumbai, INDIA

P-23 Design, synthesis, and biological studies of novel indolyl-keto-acrylonitriles as potent anti-cancer agents

Nandini Roy, Monika Malik, Rajeev Sakhuja, Dalip Kumar*

Department of Chemistry, Birla Institute of Technology and Science, Pilani 333031, India

P-24 Organocatalytic [4+2] annulation between enals and nitro-olefins for the direct synthesis of highly substituted 2-nitro-1,1'-biphenyl: Scope and applications

Imtivaz Ahmad Shah and Indresh Kumar

Department of Chemistry, Birla Institute of Technology and Science, Pilani 333031, (Rajasthan) India,

P-25 A multifunctional approach for Alzheimer's disease therapy: Novel cholinesterase inhibitors as a neuroprotective agent.

Rakesh Kumar Gautam, Gyan Modi

Department of Pharmaceutical Engineering & Technology, Indian Institute of Technology (BHU), Varanasi, U.P, 221005, India

P-26 Palladium-Catalyzed Oxidative Alkenylation of 2-Arylindolizines using Allyl Alcohols

Vani Dhyani, Dhananiay S. Nipate, Anil Kumar*

Department of Chemistry, Birla Institute of Technology & Science, Pilani, Rajasthan, 333031, India

P-27 Kinetic and Physicochemical Studies of the Silver Nanoparticles synthesized by Nicotinamide as a Reducing and Stabilizing Agent

Indresh Kumar*, a

^aDepartment of Chemistry, School of Basic Sciences, CSJM University Kanpur, Uttar Pradesh-208024, India

P-28 Microwave-assisted Green Synthesis of Sustainable Zinc Oxide Composites for Effective Sequestration of Crystal Violet

Aman Savita^{ac}, Hariom Gupta^{ac}, Rajesh Patidar^{bc}

^aCSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow, India

^bCSIR-Advanced Materials and Process Research Institute, Bhopal, India

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P-29 N1 neuraminidase inhibitor from nature: A computational approach

Najima Ahmed* and Ramesh Ch. Deka

*Centre for multidisciplinary Research, Tezpur University, Tezpur-784028, Assam, India Department of Chemical Sciences, Tezpur University, Tezpur-784028, Assam, India

P-30 One-Pot, Three-Component Synthesis and Anti-tubercular Activity of New 3-(1-acetyl-2-isonicotinoyl-5-phenyl-2,3-dihydro-1H-pyrazol-chromen-2-one Derivatives Catalyzed by β -Cyclodextrin for Green Catalysis in Water

Asha V. Chate*

*Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar-431004, M.S., India.

P-31 Biodegradation of Imidacloprid by *Bacillus altitudinis* DG4: A Sustainable Solution

Charmy Kothari¹, Manoj Godhaniya¹ and Rajesh Patel²

¹Department of Biotechnology, Christ College, Rajkot, Gujarat, India

²Department of Bio Sciences, Veer Narmad South Gujarat University, Surat, Gujarat, India.

P-32 Demethylated lignin derived from biorefinery-sourced rice straw spent cake using chemical and microbial methods and its applications

Kedar Vaidya¹, Sasisanker Padmanabhan^{2*}

Praj Matrix R&D center, Praj Industries, Temghar-Lavasa road, Pirangut, 412115^{1,2} Department of Technology, Savitribai Phule Pune University, Ganeshkhind, Pune, 411007¹

P-33 Renewable phosphine ligands for homogeneous catalysis

Raju Yalla^a, Ashot Gevorgvan*^a

a: Department of Chemistry, UiT The Arctic University of Norway, 9037 Tromsø, Norway.

P-34 Paper Sludge waste material For Ethanol Production & their application

Vishakha Tiwari, "Poonam Shukla"

Veer Kunwar Singh University, Ara, Bhojpur, Bihar

P-35 Antipyrine Derivatives and its Biological Activities.

Law Kumar, ¹ Shabnam Khatoon, ² Sudha Kumari, ³ Poonam Shukla* *Veer Kunwar Singh University, Ara, Bhojpur, Bihar (802301)*

P-36 Flavones based imidazole motifs and its Biological Potential

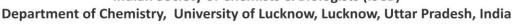
Shabnam Khatoon, Law Kumar, Poonam Shukla* Veer Kunwar Singh University, Ara, Bhojpur, Bihar (802101)

P-37 Phytochemical Investigation and Biological Activity Profiling of *Solanum nigrum* Extracts.

Govinda Kumar¹, Dr. Ashish Srivastava², Dr. Poonam Shukla^{1*}

¹PG Department of Chemistry, Veer Kunwar Singh University Ara Bihar India ²PSIT-PRANVEER SINGH INSTITUTE OF TECHNOLOGY, (PHARMACY), KANPUR, UP





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Department of Chemistry, University of Lucknow, Lucknow 226007, India

P-39 Pharmacognostical Evaluation of Cassia occidentalis and Comparative Phytochemical Analysis with Cassia floribunda

Neha Sahu^{ab}, KR Arya^b

abDepartment of Botany, University of Lucknow; bCSIR-CDRI, Lucknow

P-40 Design, Synthesis, and Computational Analysis of a Novel Progesterone Oxadiazole Derivative with Anticancer Potential

Prakash, Poonam Rawat, and R. N. Singh*

Department of Chemistry, University of Lucknow, Lucknow – 226007

P-41 Comprehensive Exploration of Ampicillin-Schiff Base Complexes: Synthesis, DFT Insights, Molecular Docking, and Biotherapeutic Applications

Farha Arshi, Swaila Bano, Saniya Firdaus, Saloni Srivastava and Ashok K.Singh*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, India.

P-42 Metal-free α -alkynylation of α -Fluoroacetoacetamides employing alkynyliodonium salt

Awadhesh Kumar^a and Sanjay Kumar Gautam^a aDepartment of Chemistry, University of Lucknow, India-226007

P-43 Designing of Metal-Organic Frameworks for their Promising Applications

Priva Mishra, Armeen Siddique, Seema Joshi*

Department of Chemistry, Isabella Thoburn College, Lucknow-226007 India

P-44 Study of Some Biologically active Bismuth-Based Mixed-Ligand Complexes

Satya* Seema Joshi**

Department of Chemistry, Isabella Thoburn College, University of Lucknow, Lucknow (U.P.) 226007, India

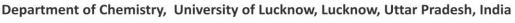
P-45 Green Synthesis of Coupled Metal Oxide ZnO/SnO₂ Nanocomposite for Wastewater Treatment

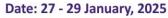
Sujeet Yadav^a and Ramesh Chandra^{a*}

^aDepartment of Chemistry, University of Lucknow, India-206007



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Nidhi, Khushboo Singh, Vinay Kumar Singh*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, U.P., India

P-47 Regioselective synthesis of polycyclic heteroarenes as carcinoma cells growth inhibitor

Ameer Hasan^a and Sanjay Kumar Gautam^{a*}

^aDepartment of Chemistry, University of Lucknow, India-206007

P-48 1,1'-Bis-(diphenylphosphino)ferrocene appended d⁸- and d¹⁰-configuration based thiosquarates: the molecular and electronic configurational insights into their sensitization and co-sensitization properties for dye sensitized solar cells

<u>Aparna Kushwaha</u>, ^a <u>Devyani Srivastava</u>, ^a <u>Om Prakash</u>, ^a <u>Gabriele Kociok-Köhn^b and Abhinav Kumar</u> ^{a*}

^aDepartment of Chemistry, Faculty of Science, University of Lucknow, Lucknow 226007, India

 b Materials and Chemical Characterisation Facility (MC 2), University of Bath, Claverton Down, Bath, BA2 7AY, UK

P-49 C-H Allylation and Tandem Cyclization of Late-Stage Drug Candidate 2-Aryl Quinazolinones with Cyclic Carbonate

Shumaila Nafees, Neeraj Kumar Mishra*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, U.P., India

P-50 Comprehensive Exploration of Ampicillin-Schiff Base Complexes: Synthesis, DFT Insights, Molecular Docking, and Biotherapeutic Applications

Farha Arshi, Swaila Bano, Saniya Firdaus, Saloni Srivastava and Ashok K.Singh*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, India.

P-51 New isomeric phenylmercury(II)-dithiocarbamates: Influence of positional isomeric phenolic group on supramolecular framework

Shreya Srivastava,^a Aparna Kushwaha,^a, Daniel Omoding,^a Gabriele Kociok-Köhn^b* Mohd. Muddassir,^c Abhinav Kumar,^a*

^aDepartment of Chemistry, Faculty of Science, University of Lucknow, Lucknow 226 007, India.

^b Physical Structure Characterization, University of Bath, Claverton Down, Bath, BA2 7AY, UK.

^c Department of Chemistry, College of Sciences, King Saud University, Riyadh 11451, Saudi Arabia

P-52 Development of a Benzimidazole-Based Compound for Non-Melanoma Skin Cancer Treatment: Computational and Synthetic Approaches

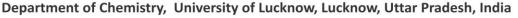
Arpit Srivastav¹, Vinay Kumar Singh²*

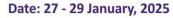
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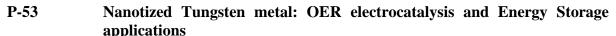
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<u>Uzma Afreen</u>^a, Ushna Afreen^b and Narendra Kumar Singh^c*

Department of Chemistry, University of Lucknow, Lucknow-226007, India3. Barreto, F. C., da Silva, M. K. L., & Cesarino, I. Nanomaterials 13.9 (2023): 1436.

P-54 Electrochemical insight of hydrothermally synthesized microstructures

> Ushna Afreen^a, Uzma Afreen^b and Narendra Kumar Singh^c* Department of Chemistry, University of Lucknow, Lucknow-226007, India

P-55 Solid Forms Screening of Antineoplastic Drug Hydroxyurea

Ankima Yadav, Sunil K. Rai*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, Uttar Pradesh 226 007, India

P-56 Improving Dissolution, Solubility and Permeability of Diclofenac by **Preparing Primary Alkyl Ammonium Salts**

Pallavi Shukla, Sunil K. Rai*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, Uttar Pradesh 226 007,

P-57 Facile Synthesis of ZnO/SnO₂ Nanocomposite and it's Application for **Wastewater Remediation**

Diptee Mitra^a and Ramesh Chandra^{a*}

^aDepartment of Chemistry, University of Lucknow, India-206007

P-58 Investigation of corrosion mitigation by organic inhibitors in an acidic medium

Rizwan^a and Dr Sudheer^a

^aDepartment of Chemistry University of Lucknow, India- (206007)

P-59 Unveiling of Indanone-Benzimidazole Hybrids as Anti-Alzheimer's Agents: Computational and Experimental studies.

Rashi¹, Pragati Kushwaha^{1*}

Department of chemistry, University of Lucknow, Lucknow, 226007, U.P., India.

P-60 **Emerging Contaminants: Transformation and Fate in the Environment**

Sejal Shukla, Jagriti Suryayanshi, Aseem Trivedi, Seema Mishra*

Department of Chemistry, University of Lucknow, Lucknow, U.P,226007, India

P-61 Interactive Effect of Trace and Toxic Elements on Nutrient Acquisition and **Distribution**

Jagriti Suryavanshi, Sejal Shukla, Aseem Trivedi, Seema Mishra*

Department of Chemistry, University of Lucknow, Lucknow



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- P-62 DFT directed vibrational and electronic investigation, thermodynamic parameters, non-covalent interactions analysis, Molecular Docking as well as anti-inflammatory activity of the novel synthesized steroidal Schiff base Saumya Pandey^a, Sangeeta Srivastava^{a*}
- P-63 Synthesis, characterization ZnS and ZnO/ZnS and their OER application Sana Zishan, Prakhar Mishra, N. K. Singh and Bharat Kumar*

 Department of Chemistry, University of Lucknow, Lucknow-226007, India
- P-64 Efficient synthesis of danazol derivatives via palladium catalyzed Sonogashira cross coupling with evaluation of in vitro anti-oxidant activity and computational analysis.

 Garima Singh* and Sangeeta Srivastava
- P-65 Comprehensive Exploration of Ampicillin-Schiff Base Complexes: Synthesis, DFT Insights, Molecular Docking, and Biotherapeutic Applications

Farha Arshi, Swaila Bano, Saniya Firdaus, Saloni Srivastava and Ashok K.Singh*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, India.

P-66 Regioselective Synthesis of Phenanthridines via Pd(II)-Catalyzed Annulative C(sp2)-H Activation

Surabhi Upadhyay, A. K. Sriastava, Vijai K. Raia

^aGreen Synthesis Lab, Department of Chemistry, University Of Lucknow, Lucknow-226007 ^bMedicinal and Process ChemistryDivision, CSIR-Central Drug Research Institute, Lucknow-226031, India

P-67 "Construction of diversified indole/hetero-fused indole frameworks *via* Ugi-multicomponent approach: A Review"

Prashasti Kalhans¹, Aditi Singh¹, Dr. Shashi Pandey¹*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, 226007, Uttar Pradesh, India.

P-68 Transition Metal Catalyzed Reduction of Nitroarenes

Abhishek Kumar Verma: Sushil K. Maurva*.

Department of Chemistry, University of Lucknow, Lucknow. Uttar Pradesh. 226007.

P-69 V₂O₅ Catalyzed *N*-alkylation of aromatic amines with alcohols

Shashi Kumar^{a,b}, Shruti Yaday^c, Dr. Dinesh Kumar^{a,b}, Dr. Sushil K. Maurya^c*

^aCSIR-Institute of Himalayan Bioresource Technology, Palampur 176061 (H.P.) ^bAcSIR-Academy of Scientific and Innovative Research, Ghaziabad 201002 (U.P.)

^cDepartment of Chemistry, University of Lucknow 226007 (U.P.)

P-70 Synthesis of Novel Ciprofloxacin-Lipophilic Conjugates

Rahul Kumar^{a,b}, Deepti Pal^c, Dr. Ankit Saneja^{a,b}, Dr. Sushil K. Maurya^{c*}



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^bAcSIR-Academy of Scientific and Innovative Research, Ghaziabad-201002[U.P]

^cDepartment of Chemistry, University of Lucknow-226007[U.P]

P-71 "Fluorescent Probes for Explosive Detection: A Review"

Aditi Singh¹, Prashasti Kalhans¹, Dr. Shashi Pandey^{1*}

¹Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow, 226007, Uttar Pradesh, India

P-72 Co (II) and Cu(II) Porphyrins Catalysed Synthesis of Quinoline and Naphthoxazine *via* Degydrogenative Reactions

Ayush Bhardwaj¹, Pragati Kushwaha^{1*}

Department of Chemistry, University of Lucknow, Lucknow 226007, Uttar Pradesh, India

P-73 Evaluation of comparative biological potency of Michael addition conjugate of (1E,6E) 1,7 bis(4-hydroxy-3-methoxyphenyl) hepta-1,6-diene-3,5-dione via *in silico* and *in vitro investigation*, ADMET and DFT studies

Astha Srivastava* and Sangeeta Srivastava

Department of chemistry, University of Lucknow, Lucknow-226007, India

P-74 Multicomponent reactions: A Versatile approach for an economic synthesis

Yatharth Joshi, Prof. Vijai Kumar Rai*

Green Synthesis Lab, Department of Chemistry, Faculty of science, University of Lucknow, Lucknow-226007, U.P., India

P-75 Micellar Behaviour of SDS And CTAB With the Aid of Clopidogrel, A Cardiovascular Antiplatelet Drug, Using Physical and Computational Techniques

Aditya Gupta, Indu Saxena#

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow - 226007, INDIA.

P-76 Metal-Free Green Synthesis of Vicinal Diamines via Regioselective Ring-Opening of Aziridines

Govind Sharma, Vijai Kumar Rai*

Green Synthesis lab, Department of Chemistry, University of Lucknow, Lucknow-226 007, U.P., India

P-77 Novel cost-effective Hibiscus flower based colorimetric paper sensor containing anthocyanins to monitoring the quality and freshness of raw fish

Namarta Dixit, Sumbula Warsi, Adhish Jaiswal* Department of Chemistry, University of Lucknow, Lucknow - 226007

P-78 Novel cost-effective Hibiscus flower based colorimetric paper sensor containing anthocyanins to monitoring the quality and freshness of raw fish

Namarta Dixit, Sumbula Warsi, Adhish Jaiswal

Department of Chemistry, University of Lucknow, Lucknow - 226007



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P-79 Molecular docking studies and in vitro evaluation of newly synthesized steroidal derivatives as anti-cancer agents

Anmol Verma and Saurabh Kumar Singh*

Department of Chemistry, University of Lucknow, Lucknow-226007, India

Synthesis, Molecular study and Spectral Evaluation of Pyrrole 4- imidazole P-80 derivatives

> Gargi Singh, Poonam Rawat, Vikas Baboo and R. N. Singh* Department of Chemistry, University of Lucknow-226007

P-81 Finely tuning Cobalt Valence in Co₃O₄ Lattice through Chromium Substitution: Regulating the charge transfer and oxygen vacancies for Oxygen Evolution and Methanol Oxidation Reaction

Prakhar Mishra[#], Narendra Kumar Singh^{*}

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, INDIA

P-82 Capsicum annum Extract Mediated Green Synthesis of Fe-Zn Nanocomposite for Remediation of Tetracycline Antibiotics in Aqueous Medium

> Riya Gupta¹, Dr. Pratibha Bansal^{1*}, Sumana Y Kotian², Akhilesh K. Yadav^{2*}, ¹Department of Chemistry, University of Lucknow, Lucknow 226007, Uttar Pradesh, India ²Assist Group CSIR-Indian Institute of Toxicology Research, Vishvigyan Bhawan, 31, Mahatma Gandhi Marg, Lucknow 26001, Uttar Pradesh, India

P-83 Fabrication of silver-cobalt alloy nanoparticles for catalytic reduction of nitrophenol derivatives in wastewater treatment applications

Nisha Gangwar¹, Chinky Gangwar², Joy Sarkar^{1*}

P-84 Investigating the Acoustic Interactions, Molecular Dynamics and Biodegradation of HPMC Blended Polyethylene Glycol (PEG): A **Sustainable Approach to Environmental Innovation**

Divvanshi Mishra, Indu Saxena#

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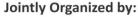
P-85 Molecular engineering in Carbon Nitride/mesoporous Ni_{0.5}Co_{2.5}O₄ nanocomposite as bifunctional electrocatalyst for alkaline water splitting Yamini Singh[#], Narendra Kumar Singh^{*}

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007 INDIA

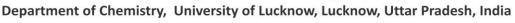
P-86 bis-(diphenylphosphino)ethane Heteroleptic dialkyldithiophosphatecobalt(III) cations: Apt electrocatalysts heterogeneous Oxygen Evolution Reaction and homogeneous Hydrogen **Evolution Reaction**

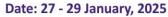
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P-87 Molecular Docking Studies of Optimized 7-(4-nitrophenyl)-5,7-dihydro-6H-benzo[6,7] chromeno[3,2-c][1,8] naphthyridin-6-one against *Mycobacterium Tuberculosis*Pulkit Sharma, Abha Bishnoi

P-88 Design, Synthesis, and Evaluation of Coumarin Hydrazone Derivatives as Potential Antidiabetic Agents: *In-vitro* and *In-silico* Analysis of α -glucosidase Inhibition.

Shipra Gautam, Poonam Rawat, R. N. Singh

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P-89 Graphitic Carbon Nitride based Nanocomposites for Electrochemical sensing of Environmental Contaminants: A Review

Vishal Mishra¹, Kulvinder Singh ², Pratibha Bansal^{1*}

- 1. Department of chemistry, University of Lucknow, LUCKNOW-226007, UTTAR PRADESH, INDIA
- 2. Department of Chemistry, DAV College, Sector 10, Chandigarh 160011, India.
- P-90 Structure Elucidation of Novel tetrasaccharide having pentose sugar from A2 cow colostrum by 2D NMR

Afra Khan, Desh Deepak and Manisha Shukla*

Department of Chemistry, University of Lucknow, Lucknow- 226007(UP), India.

P-91 Comprehensive Exploration of Ampicillin-Schiff Base Complexes: Synthesis, DFT Insights, Molecular Docking, and Biotherapeutic Applications

Farha Arshi, Swaila Bano, Saniya Firdaus, Saloni Srivastava and Ashok K.Singh*

Department of Chemistry, Faculty of Science, University of Lucknow, Lucknow-226007, India.

P-92 Mechanistic Insight into Epoxide-Based Ring Transformation

Smriti Suryavanshi, Prof. Vijai Kumar Rai*

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P-93 Isolation and structure elucidation hexasaccharide "pakose" isolated from tharparker cow

Akanksha Yadav, Deshdeepak and Shashi Bala

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P-94 Evaluation of fluorescence properties of novel Lophine Derivatives

Anant Ram, Anupama Pandey, Poonam Rawat* and R.N. Singh*

Department of Chemistry, University of Lucknow, Lucknow 226 007, India

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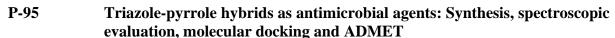
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Anupama Pandey, Anant Ram, Poonam Rawat*, and R. N. Singh*

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P-96 Impacts of Arsenic-Contaminated Soil and Water on Rice Quality and Safety

Aseem Trivedi, Sejal Shukla, Jagriti Suryavanshi, Seema Mishra*

Department of Chemistry, University of Lucknow, Lucknow-226007, India

P-97 New –OH positional isomeric 1,1'-bis(diphenylphosphino)ferrocene appended Ni(II) dithiocarbamates as sensitizers in dye sensitized solar cells Madhav Raj Jayswal, Daniel Omoding, Suresh W. Gosavi, Mohd. Muddassir, Ratna Chauhan, Abhinav Kumar, Abhinav Kuma

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P-98 Ultrasonic Investigation of Molecular Interactions in Polymethylmethacrylate-Toluene Binary Liquid Mixture

Preeti Yadav*, Indu Saxena

P-99 Iodobenzene-Catalyzed Synthesis of Fully Functionalized NH-Pyrazoles and Isoxazoles from α,β -Unsaturated Hydrazones and Oximes via 1,2-Aryl Shift

Deepak Kumar, Vikram Singh, Bhoopendra Tiwari*

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P-100 Bio-inspired Nanoparticle Synthesis from Oligosaccharides: A Pathway to Green Technology

Aparna Sharma, Desh Deepak and Shashi Bala

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P-101 Mixed-Ligand Complexes of Vanadium as Potential Biomolecules

Kulsum Hashmi*, Seema Joshi**

Department of Chemistry, Isabella Thoburn College, Lucknow, UP 226007, India

P-102 Molecular docking based studies of the steroidal derivatives as anti-cancer agents

Sanyukta Shukla, Saurabh Kumar Singh*

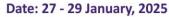
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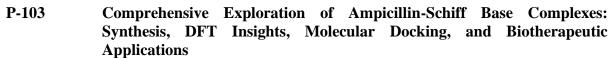
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Farha Arshi, Swaila Bano, Saniya Firdaus, Saloni Srivastava and Ashok K Singh*

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P-104 Design, Synthesis and Biological Evaluation of New Quinazolinone-Tetrazole Derivatives as Anticancer Agents

Sumit Moulekhi. N.K. Awasthi 1*

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P-105 Pentafluoropyridine-mediated one-pot Strategy for the construction of biologically relevant 2,3-dihydroquinazolin-4(1H)-ones

Shashi Pandey, ¹ Ashish Kumar, ^{2,3*} Monika Gupta, ^{3*} Chatrasal S. Rajput²

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P-106 NMR and Mass Spectral Interpretation of Cusose - A Novel Pentasaccharide Isolated from Goat Milk and Its DFT Studies

Manisha Shukla^a, <u>Shradha Jaiswal</u>, Pushpraj Singh^b and Desh Deepak^a*

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P-107 Isolation and structure elucidation of a resembling trisaccharide core unit from Friesian cow milk

Unnati Singh, Desh Deepak and Manisha Shukla*

Department of chemistry, University of Lucknow, Lucknow-226007 (UP), India

P-108 Catalytic Synthesis of 1H-benzoxazolo[3,2-a]pyridin-1-ones via Formal [3

+ 3] Annulations of NHC-generated Alkynyl Acylazoliums with

Benzoxazolyl acetates and their Photophysical Studies

Sibasis Sarkar, Suravi Das and Dr. Shikha Gandhi* Department of Chemistry, IISER Berhampur, Berhampur, Odisha

P-109 Hyperbaric Oxygen Therapy for Cancer

Dr. Manoj S. Dikkatwar, Sahil Devnani

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