

**NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY**

**(PHARMACY INSTITUTE)**

**GREATER NOIDA**

**List of Publications**

**2025**

<b>SCI</b>	<b>SCOPUS</b>	<b>PEER REVIEWED</b>	<b>TOTAL NO. OF PUBLICATIONS</b>
<b>85</b>	<b>47</b>	<b>01</b>	<b>133</b>

1. Ahsan Mohamed Jawed, Kumar Vivek, ali Abuzer, Yusuf Mohammad, Ahmad Iqrar, Patel Harun, Salahuddin, Ahsan Md. Faiyaz , “**Design and synthesis of newer 5-aryl-N- (naphthalen-2-yl)-1,3,4-oxadiazol-2-amine analogues as anticancer agents**”, **Future Medicinal Chemistry**, Volume 17, 2025, (SCI) [DOI: <https://doi.org/10.1080/17568919.2025.2504335>]
2. Bhati Annu, Mazumder Avijit, Bansal Priyanka, Salahuddin “**Medicinal Plant Extracts and Herbal Formulations to control hepatotoxicity: A Review**”, **Allelopathy Journal**, 2025. (SCOPUS) [DOI: <https://doi.org/10.26651/allelo.j/2025-65-1-1533>]
3. Chand Suniti, Das Saumya, Mazumder Avijit, Padhi Swarupanjali, Majee Chandana, Pandey Ananya, Das Manas Kumar, "Amelioration of convulsion-induced depression comorbidity by *Rubus ellipticus* whole plant extract in experimental models", **Indian Journal of Pharmacology (IJP)** 57(1),48-51, 2025. (SCI) [DOI: [https://doi.org/10.4103/ijp.ijp\\_215\\_23](https://doi.org/10.4103/ijp.ijp_215_23)]
4. Chauhan Sonia, Harwansh Ranjit K, Mazumder Rupa, “**Development of Colon Targeted Naringin-Loaded Microbeads in Acetic Acid-Induced Colitis Model in Rats for the Management of Inflammatory Bowel Disease**”, **Journal of Pharmaceutical Innovation**, 20(36):1-18, 2025, (SCI) [DOI: <http://dx.doi.org/10.1007/s12247-025-09947-w>]
5. Debnath Abhijit, Mazumder Rupa, Singh Anil Kumar, Singh Rajesh Kumar, “**Identification of novel cyclin-dependent kinase 4/6 inhibitors from marine**

- natural products”, *Plos One*. 2025 Jan 15;20(1):e0313830 (SCI) [Doi: <https://doi.org/10.1371/journal.pone.0313830>]
6. Dogra Anchit, Mazumder Avijit, Das Saumya, Pandey Pratibha, Chaitanya Motaharri Venkata Naga Lalitha, “Therapeutic Evaluation of Camel Milk-Derived Lactoferrin for in-Vivo Anti-Arthritic Efficacy”, *Indian Journal of Pharmaceutical Education and Research*, Vol 59, Issue 2, 2024. (SCI) [DOI: <http://dx.doi.org/10.5530/ijper.20254695>]
  7. Gaur Adarsh, Mazumder Avijit, Das Saumya, “Exploring the Bioactive and Herbal approaches of *Saussurea lappa*: A Precious Phytoherb from the Himalayas”, *Journal of Natural Remedies*, 2025 (SCOPUS) [DOI: [10.18311/jnr/2025/45027](https://doi.org/10.18311/jnr/2025/45027)]
  8. Gupta Disha, Monika, Das Saumya, Mazumder Avijit “Therapeutic potential of medicinal plants to treat in ulcerative colitis: review”, *Allelopathy Journal*, 73-84, 2025. (SCOPUS) [DOI: <http://dx.doi.org/10.26651/allelo.j/2024-64-1-1519>]
  9. Jain Ayush, Majee Chandana, Mazumder Rupa, Mazumder Avijit, Padhi Sawrupanjali, Kumar Arvind, Kapoor Bhupinder, “Progress in Synthetic Approaches and Pharmacological Applications of Melatonin and Its Derivatives: A Comprehensive Review”, *Current Topics in Medicinal Chemistry*, 25(18); 2025, (SCI) [DOI: <https://doi.org/10.2174/0115680266331681250130072302>]
  10. Jan Sk Ashif, Debnath Abhijit, Singh Rajesh Kumar, Tyagi Pankaj Kumar, Singh Sachin, Singh Anil Kumar, “Targeting Undruggable Proteins: The siRNA Revolution Beyond SmallMolecules - Advances, Challenges, and Future Prospects in TherapeuticInnovation”, *Current Gene Therapy*; Vol 25, 2025, e15665232357160 (SCI) [DOI: [10.2174/0115665232357160250123113148](https://doi.org/10.2174/0115665232357160250123113148)]
  11. Kaushal Keshav , Kapoor Devesh U. , Kumar Sanjesh , Sony Anakha , Viswanath Aswin , Chaitanya M. V. N. L. , Singh Mansi , Singh Sachin Kumar, Mazumder Avijit , “Natural sesquiterpene lactones in prostate cancer therapy: mechanisms and sources”, *Medical Oncology*. (2025) 42:212 (SCI) [DOI: <https://doi.org/10.1007/s12032-025-02740-2>]
  12. Kurup Rishi R, Mishra Rakhi, Mazumder Rupa, Mazumder Avijit, Singh Gurvinder, Mishra Rashmi, “Synthetic Strategies and Pharmacological

- Significance of Pyridine Thiadiazole Derivatives: A Contemporary Overview**”, *Letters in Organic Chemistry*, 2024; 22(5):348 - 371. (SCI) [DOI: <http://dx.doi.org/10.2174/0115701786324821241113054029>]
13. Kushwah Manish, Mazumder Avijit, Shakya Richa, Tyagi Pankaj, Chaitanya Motaharri Venkata Naga Lalitha, “Amelioration of Diabetic Nephropathy in Streptozotocin-induced Diabetic Rats by *Jasminum auriculatum* Vahl. Leaves Extracts”, *Indian Journal of Pharmaceutical Education and Research*, 2025, Vol 59, Issue 2, 2025. (SCI) [DOI: [10.5530/ijper.20254714](https://doi.org/10.5530/ijper.20254714)]
  14. Mannan A., Pentela B., Pathak D., Das. S., “**Role of herbal compounds to treat Drug-Induced Liver Injury (DILI)**”, *Allelopathy Journal*, Volume 64(1);47-58, 2025. (SCOPUS)[DOI: <https://doi.org/10.26651/allelo.j/2025-64-1-1517>]
  15. Mishra Rakhi, Mazumder Rupa, Mazumder Avijit, Rani Anjna, Mishra Prem Shankar\*, “**Biological activities of Psidium Guajava phytochemicals on human health**”, *Allelopathy Journal*, 2025. (SCOPUS) [DOI: <https://www.allelopathyjournal.com/archive-details.php?Biological-activities-of-Psidium-Guajava-phytochemicals-on-human-health-1472>]
  16. Rawat Pooja, Das Saumya, Pentela Bhavani, Majeed Chandana, “**Exploring herbal natural bioactives to treat obesity**”, *Allelopathy Journal*, 59-72, 2024. (SCOPUS) [Weblink: <https://www.allelopavthyjournal.com/10.26651/2025-64-1-1518>]
  17. Roy Tanmoy, Padhi Swarupanjali, “**A Meticulous Focus on the Determination of Critical Micelle Concentration Employing Fluorescence Spectroscopy**”, *Journal of Fluorescence*. 2025, (SCI) [DOI: <http://dx.doi.org/10.1007/s10895-025-04209-x>]
  18. Mangal Saloni, Salahuddin, Mazumder Avijit, Kumar Rajnish, Rani Sapna, Mohamed Jawed Ahsan & Mohammad Shahar Yar, “**Significant advances in catalytic strategies for the synthesis of trisubstituted imidazoles: a review**”, *Synthetic Communications*, 55(17); 1281-1305, 2025 (SCI) [DOI: <https://doi.org/10.1080/00397911.2025.2505901>]
  19. Sanchitra Jahanvi, Debnath Abhijit, Singh Anil Kumar, Jha Abhimanyu Kumar, Singh Rajesh Kumar, “**Discovery of novel HBV core protein inhibitors by high throughput virtual screening**”, *Scientific Reports*, Vol 15, 2025. (SCI) [DOI: <https://doi.org/10.1038/s41598-025-97242-6>]

20. Sharma Abhishek Shankar, Salahuddin, Rana Kavita, Debnath Abhijit, Mazumder Avijit, Kumar Rajnish, Ahsan Mohamed Jawed, Yar Mohammad Shahaar, Tyagi Pankaj Kumar, Singh Saurabh, “**Synthesis, anticonvulsant potential, and molecular docking studies of Schiff bases bearing 2’,6-dichloro-2,3’-biquinoline**”, *Indian Journal of Heterocyclic Chemistry*, Vol. 35 - Number 01 (Jan-Mar 2025) 119-127. (SCI) [DOI: <https://doi.org/10.59467/IJHC.2025.35.119>]
21. Sharma Neha, Mazumder Rupa, Rai Pallavi, Debnath Abhijit, “**Targeting PD-1 in Squamous Cell Carcinoma: Flavonoid-based Therapeutics Unveiled through in silico and in vitro Approaches**”, *Current Computer-Aided Drug Design*, 2024. (SCI) [DOI: 10.2174/0115734099312638240830060525]
22. Sharma Parul, Agarwal Chhaya, Mishra Rashmi, Mazumder Avijit, Singh Saurabh, Sharma, “**A Systematic Review on Removal Efficiency of Heavy Metals from Yamuna Water**”, *Journal of Environmental Nanotechnology*, 13(2); 404-410 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.13074/jent.2024.06.241543>]
23. Shrivastava Shivani, Das Saumya, Sharma Chanchal, Singh Archana, Das Sanjita, Das Manas Kumar, Pankaj Kumar Tyagi, Navneet Khurana, “**A novel nano-emulsion cream of casein isolated from raw milk for thermal and acid burn wounds**”, *Brazilian Journal of Pharmaceutical Sciences*, 2025 (SCI) [DOI: <http://dx.doi.org/10.1590/s2175-97902025e24233>]
24. Singh Archana, Mazumder Avijit, Das Saumya, Kanda Anmol, “**Preparation, In Vivo and Molecular Docking Study of Nano-Emulsion Obtained From the Isolated Phytoconstituents of Symplocos racemosa for Mitigating Depression**”, *Chemistry & Biodiversity*, 22(8);e202500262, 2025 (SCI) [DOI: <https://doi.org/10.1002/cbdv.202500262>]
25. Singh Abhay Kumar, Mazumder\* Rupa, Dogra Anmol, “**Development of Novel Approaches for the Treatment of Cutaneous Candidiasis**”, *Current Pharmaceutical Design*, 2025. 381-6128 / 1873-4286; (SCI;Q2) [DOI: <https://doi.org/10.2174/0113816128379927250807064636>]
26. Singh Archana, Kanda Anmol, Kanda Jyoti, “**Recent Approaches on Oncolytic Viruses, Aptamers, TTFIELDS and Personalized Treatment used for the Management of Glioblastoma: A Comprehensive Review**” *Anti-Cancer Agents in*

- Medicinal Chemistry, 2025. (SCI) [DOI: 10.2174/0118715206364677250401190214]**
27. Singh Saumya , Kumar Rajnish, Tripathi Shrishti , Salahuddin, Mazumder Avijit , Singh Nardev , “Fused and Substituted Piperazines as Anticancer Agents: A Review”. **Chemical Biology & Drug Design**, 2025; 105:e70077 (SCI) [DOI: <https://doi.org/10.1111/cbdd.70077>]
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29. Verma J., Mishra R, Mazumder A., Singh R., El-Gendy Sh. N., “Development and Evaluation of an Eco-Friendly Hand Sanitizer Formulation Valorized from Fruit Peels”, **International Journal of Biomaterials**, 2024 (SCOPUS) [DOI: <https://doi.org/10.1155/2023/2516233>]
30. Yadav Ranjeet Kumar, Kumar Rajnish, Mazumder Avijit, “Design, synthesis, in silico and in vivo evaluation of 1,3,4-oxadiazoles as anticonvulsant agents”, **Journal of Molecular Structure**, 2025; 0022-2860 (SCI) [DOI: <https://doi.org/10.1016/j.molstruc.2025.142512>]
31. Yadav Swati, Harwansh Ranjit Kumar, Mazumder Rupa, “Advancement in Enteric-coated Microspheres Formulation Development and Mangiferin Drug Delivery in the Treatment of Ulcerative Colitis”, **Recent Advances in Drug Delivery & Formulation**, 2025. (SCOPUS) [DOI: <https://doi.org/10.2174/0126673878362674250630062020>]
32. Singh Alka, Verma Sushma, "Nanocochleates in Clinical Trials: A Review of Current Status, Challenges and Future Directions", **Current Drug Metabolism**, 390-401, 2025, (SCI;Q3) [DOI: <http://dx.doi.org/10.2174/0113892002381978250909113807>]
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38. Niwas Hari, Bansal Priyanka, Pentela Bhavani, Mazumder Avijit, “The Spectrum of Allergic Rhinitis: Risk Factors and Their Clinical Relevance”, *Recent Advances in Inflammation & Allergy Drug Discovery*, 2025, (SCOPUS; Q4) [DOI: <https://doi.org/10.2174/0127722708397912251001102439>]
39. Raghuvanshi Shalini, Mazumder Avijit, Das Saumya, “Targeting Microglial Phagocytosis for Alzheimer's Disease Management: Natural, Pharmacological, Nanoparticle, and Gene Therapy Approaches”, *CNS & Neurological Disorders - Drug Targets*, 2025 (SCI) [DOI: 10.2174/0118715273378092250623064748]
40. Bhati Annu, Mazumder Avijit, Bansal Priyanka, Rani Anjna, “Nano-Formulations of Herbal Agents to Ameliorate the Chemical-induced Hepatotoxicity: A Comprehensive Review”, *Drug Delivery Letters*, 2025, (SCOPUS) [DOI: 10.2174/0122103031401073250711115623]

41. Upadhyay Saloni, Mazumder Avijit, Das Saumya, “Flavonoids and Their Potential in Alleviating PCOS Symptoms: A Thorough Review”, **JOURNAL OF NATURAL REMEDIES**, 2025, (SCOPUS) [DOI: 10.18311/jnr/2025/49182]
42. Singh Harsh Pratap, Mazumder Avijit, Pentela Bhavani, “Comparative Pharmacognostic and Phytochemical Profiling of Leaves of *Matricaria chamomilla* L. and *Petroselinum crispum* (Mill.) Fuss”, **Allelopathy Journal** 66 (1): 113-122, 2025, (SCOPUS) [DOI: <https://doi.org/10.26651/allelo.j/2025-66-1>]
43. Debnath Abhijit, Mazumder Rupa, Mazumder Avijit, Tyagi Pankaj Kumar, Singh Rajesh, “Challenges And Progress Of Orphan Drug Development For Rare Diseases”, **Current Pharmaceutical Biotechnology**, ISSN: 1873-4316, 2025, (SCI) [DOI: <https://doi.org/10.2174/0113892010371761250616112614>]
44. Raghuvanshi Shalini, Mazumder Avijit, Das Saumya, “The role of Phytochemicals as Nutraceuticals in the therapy of cognitive Impairment: A comprehensive Review”, **Journal of Natural Remedies**. 2025. (SCOPUS) [DOI: 10.18311/jnr/2025/48646]
45. Barua Rohit, Mazumder Rupa, Mishra Rakhi, Rani Anjna, Mishra Rashmi, Kumar Rajesh, “Fabrication of Microneedle Patches of Indomethacin Using 3DP Technology”, **Indian Journal of Pharmaceutical Education and Research (IJPER)**, 2025. (SCI) [DOI: 10.5553/ijper.20264504]
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49. Divya, Mazumder Rupa\*, Rani Anjna, Mishra Rakhi, “**Advanced Nanocarriers for Ocular Drug Delivery: Strategies to Overcome Ocular Barriers**”, **International Journal of Applied Pharmaceutics (IJAP)**, 17(6), 152–161. (SCOPUS) [DOI: <https://doi.org/10.22159/ijap.2025v17i6.55388>]
50. Himani, Kaur Chiranjit, Kumar Rajesh, **Mishra Rakhi**, Singh Gurvinder, “**Targeting TGF- $\beta$ : a promising strategy for cancer therapy**”. **Medical Oncology**, 2025 May;42(5):1-22, (SCI;Q2) [DOI: <https://doi.org/10.1007/s12032-025-02667-8>].
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52. M. Annie Annal , **Kumar Rajnish**, Grover Madhur, Goyal Meeta Dutta, Parashar Komal, Lokesh , Ravilla “**Hyperemesis Gravidarum: Causes, Symptoms, and Management**” , **Health Leadership and Quality of Life**, 2025; 4:611 (SCOPUS) [doi: 10.56294/hl2025611]
53. Chatterjee Vidya, **Mazumder Rupa**, **Verma Sushma**, **Mishra Rakhi**, “**Compatibility study of natural coumarin with gabapentin**”, 123-132, 2025 **Allelopathy Journal**, (SCOPUS) [DOI: [org/10.26651/allele.j/2025-66-1-1550](https://doi.org/10.26651/allele.j/2025-66-1-1550)]
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57. Maurya Ashish, **Mishra Rakhi**, **Mazumder Rupa**, **Rani Anjna**, “**Phytochemicals Potential to treat lung cancer: A Review**”, **Allelopathy Journal**, 66(1), 9th issue

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62. Niwas Hari, Bansal Priyanka, Pentela Bhavani, Mazumder Avijit, “Exploring *Buchanania lanzan*: A Comprehensive Review of Phytoconstituents, Medicinal Properties, and Nanoformulations”, *Current Nanomedicine*, 2025 , (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0124681873419262251007154506>]
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64. Singh Dheeraj, Majee Chandana, Mazumder Rupa , Mishra Soumya , Agarwal Chhaya, Sharma Deep Shikha, “Insight into the Recent Developments of Nanoparticles in Treatment of Cancer and NeuroDegenerative Disease: A

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65. Mahima, Mazumder Avijit, Pentela Bhavani, “Future Directions In Anxiolytic Therapy: A Comprehensive Review Of Novel Targets And Strategies”, *Current Neurovascular Research*, (SCI; Q3) [DOI:<https://doi.org/10.2174/0115672026394052250808075022>]
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73. **Salahuddin ,Avijit Mazumder ,**Mohamed Jawed Ahsan ,Rajnish Kumar ,Zabih Ullah ,Mohammad Shahr Yar ,Km Shabana, “**Exploration of Glitazone/Thiazolidinedione Derivatives: Molecular Design and Therapeutic Potential**”, **Bioengineering**, 12(10), 1024, 2025 (SCI; Q2) [DOI: <https://doi.org/10.3390/bioengineering12101024>]
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