

**NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
(PHARMACY INSTITUTE)**

GREATER NOIDA

List of Publications

2025

SCI	SCOPUS	PEER REVIEWED	TOTAL NO. OF PUBLICATIONS
88	46	-	134

1. Ahsan Mohamed Jawed, Kumar Vivek, ali Abuzer, Yusuf Mohammad, Ahmad Iqar, 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]
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]
 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]
 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]**
 - 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*, “An Insight on Phytochemical Constitution and Related Biological Actions of Psidium Guajava”, Allelopathy Journal, 2025. (SCOPUS) [DOI:]**
 - 16. Rawat Pooja, Das Saumya, Pentela Bhavani, Majee 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**

- Shahar, 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 Archna, 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 Archna, 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 Archna, 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>]
28. Tyagi Bobby, Monika, Das Saumya, Padhi Swarupanjali, “Therapeutic Potentials of Medicinal Plants Anti-Inflammatory Properties”, *Allelopathy Journal*, 63;2;143-152, 2024. (SCOPUS) [Weblink: <https://www.allelopathyjournal.com/10.26651/2024-63-2-1506>]
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>]
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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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- perspectives, **Medical Oncology** , (2025) 42:261 (SCI) [DOI:<https://doi.org/10.1007/s12032-025-02808-z>]
35. Ahsan Md. Faiyaz, Ahsan Mohamed Jawed , Yusuf Mohammad , Ali Amena, Salahuddin, Ali Abuzer, “Preclinical Exploration of Newer Curcumin Analog (NSC 793122) as Potential Antiproliferative Agent”, **Revista Brasileira de Farmacognosia** , 35; 836–847,2025 (SCI) [DOI: <https://doi.org/10.1007/s43450-025-00672-6>]
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 37. Arya Mansee, Bansal Priyanka, Pentela Bhavani, Mazumder Avijit, “A Review on Herbal Therapeutics in Nephroprotection: Exploring Herbal Agents, Bioactive Compounds, Formulations, Mechanisms of Action, and Comparison with Conventional Treatments”, **Journal of Natural Remedies**, 25(6) 2025 (SCOPUS) [DOI: 10.18311/jnr/2025/49108]
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 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]

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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>]
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46. Tripathi Utpal, Rani Anjna, Mazumder Rupa, Mishra Rakhi, “Potential of bioactives in the management of wound healing: Potential of bioactives in wound healing”. Plant Science Today, 12(3), 2025 (SCOPUS) [DOI: <https://doi.org/10.14719/pst.8055>]
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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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56. Komal, **Mishra Rakhi**, Varshney Shruti, **Mazumder Rupa**, **Mazumder Avijit**, **Rani Anjna**, Maurya Ashish "An insight on Anti-cancer potential of N-heterocyclic Compounds targeting the Breast Cancer", **Current organic chemistry**, (SCI;Q3) [DOI:]
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58. Maurya Ashish, Mishra Rakhi, Mazumder Rupa, Rani Anjna, "Phytochemicals Potential to treat lung cancer: A Review", *Allelopathy Journal*, 66(1), 9th issue 2025 (SCOPUS) [DOI: <https://www.allelopathyjournal.com/10.26651/2025-66-1-1548>]
59. Ahsan Md. Faiyaz, Mohamed Jawed Yusuf Mohammad, Tasqeeruddin S., Asiri Yahya I., , Ali Amena, Salahuddin "Targeting EGFR by newer 4,6-Bis((E)-4-hydroxy-3-methoxystyryl)-1-(aryl)pyrimidin-2(1H)-one analogues as antiproliferative agents: eco-friendly chemical modification, *in-vitro* and *in-silico* studies", *Journal of Taibah University for Science*, 2025, (SCI; Q1) [DOI: <https://doi.org/10.1080/16583655.2025.2544430>]
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64. Negi Kanika, Bansal Priyanka, Pentela Bhavani, Mazumder Avijit "Exploring Immune-Genomic and Biomarker Insights in Psoriasis: Pathology of Disease and Treatment Advances", *Current Signal Transduction Therapy*, 2025 (SCOPUS) [DOI: <https://doi.org/10.2174/0115743624407001251017054423>]

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66. 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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