

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY

(PHARMACY INSTITUTE)

GREATER NOIDA

List of Publications

2026

SCI	SCOPUS	PEER REVIEWED	TOTAL NO. OF PUBLICATIONS
24	12	-	36

1. Akshay Kumar, **Sushma Verma***. “Innovations and Bottlenecks in Thermosensitive Polymer Hydrogels for Nose-to-Brain Delivery: A Comprehensive Review”, **Drug Delivery Letters**, 2026. (SCOPUS)
2. Anmol Kanda, **Avijit Mazumder**, Saumya Das, Archana Singh, Vishnu Prabhakar, Bioactive-Guided Isolation and Optimization of Luffa Acutangula Nanoemulsion for In vitro, In vivo, and In silico Cholinesterase Inhibition for Alzheimer's Disease Management, **Chemistry and Biodiversity**, 2026. <https://doi.org/10.1002/cbdv.202502600>. (SCI) **Expanded [Q3]**
3. Ayushi Goel, **Saumya Das**, Avijit Mazumder, Antra Sinha. Microbiota-Gut-Brain Axis: A Novel Paradigm in the Neurobiology of Anxiety, **CNS & Neurological Disorders - Drug Targets**. March 2026. DOI: 10.2174/0118715273411443251201153434. (SCI) **Expanded [Q2]**
4. Dimple, **Majee C, Mazumder R, Mazumder, Monika**, “Insight into the Various Synthetic Methods for Thiazole & Its Derivatives, With Their Anticancer Activity”, Lett. Org. Chem. 2025. Accepted (SCI) [DOI: <https://doi.org/10.2174/0115701786395998251202052809>][Q4]
5. Dua Arpita, **Mazumder Rupa***, Debnath Abhijit, Rani Anjna, “Novel Approaches in Transdermal Delivery of Antidiabetic Bioactives – A Current Update”, **Drug Delivery Letters**, 2026. (Accepted) (SCOPUS)

6. Dua Arpita, **Mazumder Rupa**, **Debnath Abhijit**, **Mishra Rakhi**, “Transferosomes: A Vesicular Tool for Transdermal Drug Delivery”, **Current Pharmaceutical Design**, 27th August 2025. (ISSN / eISSN: 1381-6128 / 1873-4286; Publisher: Bentham Science Publishers; (SCI) ; Q2); [DOI: <https://doi.org/10.2174/0113816128400711251127080000>]
7. Gaur Adarsh, Mazumder Avijit, Das Saumya, Shalini Raghuvanshi, Sinha Antra, “Ameliorative effects of Saussurea lappa against hypertension and anxiety in animal models”, Indian Journal of Physiology and Pharmacology, 2026 (SCOPUS) [DOI: [10.25259/IJPP_290_2025](https://doi.org/10.25259/IJPP_290_2025)]
8. Jain A, **Majee C**, Mazumder R, Mazumder A. “Insight into the Recent Research Progress on the Synthesis and Pharmacology Approaches of 1,3,4-oxadiazole: A Comprehensive Review”. **Current Organic Chemistry**, 2025. Accepted (SCI) [DOI: [10.2174/0113852728400723251121095338](https://doi.org/10.2174/0113852728400723251121095338)] **SCI Expanded [Q3]**
9. 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: [10.2174/0113852728400723251121095338](https://doi.org/10.2174/0113852728400723251121095338)]
10. **Kumar Rajnish**, **Singh Archana**, **Mazumder Avijit**, **Salahuddin** , Singh Nardev, “Advances in Chemotherapeutic Potential of Glycoconjugates against Cancer”, **Anti-Cancer Agents in Medicinal Chemistry**, (SCI) [DOI: <http://dx.doi.org/10.2174/0118715206401396251204070919>]
11. Kumari Preeti, **Mishra Rakhi***, Mazumder Rupa, Mazumder Avijit, Patil Vaishali_M., “Design, Synthesis and Evaluation of Voltage Gated Sodium Channel Inhibitors as Anticonvulsant agents”, **Current Neurovascular Research**, 13 March 2026. [Q3] (SCI)
12. Manu Sharma, **Mazumder Rupa***, Padhi Swarupanjali, Km. Shivangi, “Target-based Drug Delivery Approaches against Alzheimer’s Disease – Recent Updates”, **Current Topics in Medicinal Chemistry**, (SCI) 13 Feb 2026. [Q3]
13. Maurya Ashish, **Mishra Rakhi***, Mazumder Rupa, Mazumder Avijit, Varshney Shruti, Rani Anjna, "Synthesis, Computational, and In Vitro Evaluation of Pyridine Analogs to Combat Lung Cancer", **Russian Journal of General Chemistry**, Feb 2026.(SCOPUS) **(Accepted)**

14. Md. Saqulain, **Verma Sushma**, "Innovative delivery systems for the antifungal agents". **Current Chemical Biology**", 2025, (SCOPUS) [DOI: ACCEPTED]
15. **Mishra Rakhi***, **Mazumder Rupa**, Patil Vaishali Manikrao, Mishra Prem Shankar, "Unleashing the Power of Vilsmeier-Haack Reaction in Synthesis of Heterocycles", Russian Journal of Organic Chemistry, 2025. (Accepted) (ISSN:1070-4280E-ISSN:1608-3393; (SCI) [weblink: <https://link.springer.com/article/10.1134/S1070428025602559>]
16. Pallavi Joshi, **Avijit Mazumder**, Bhavani Pentela, Abhijit Debnath, "PTP1B Inhibitors for Type 2 Diabetes: From Natural Products, Synthetic Inhibitors, and Multi-Target Drug Design Strategies to Clinical Translation", **Current Drug Targets**, 2026 (Accepted) (SCI) **Expanded [Q3]**9ACCEPTED)
17. Priyam Kumar, **Sushma Verma***, "Rheumatoid Arthritis: Current Perspective, Etiology, Signaling Pathway, Diagnosis & Assessment & ongoing Clinical Trials", **Current Signal Transduction Therapy**, 2026. (Accepted) (SCOPUS)
18. Raghuvanshi S, **Mazumder A**, Das S, Targeting Microglial Phagocytosis for Alzheimer's Disease Management: Natural, Pharmacological, Nanoparticle and Gene Therapy Approaches, **CNS & Neurological Disorders - Drug Targets**, manuscript no. BMS-CNSNDDT- 2024-362, 2026. DOI-10.2174/0118715273378092250623064748. (SCI) [Q2]
19. Rani S, **Salahuddin**, Mazumder A, Kumar R, Mangal S, Sharma R, Ahsan MJ, Shahar Yar M. "Recent Trends in the Synthesis of Benzimidazoles and Use of the Phillips Modification. A Review", **Organic Preparations and Procedures International**. 2026 Feb 25:1-30. <https://doi.org/10.1080/00304948.2026.2637659> (SCI) [Q3]
20. Reshpal Kaur, **Avijit Mazumder**, Saumya Das, M.V.N.L Chaitanya. "Phytotherapeutic approaches to PCOS: Key plant species and their therapeutic potential", **Allelopathy Journal**, 2026 (Accepted) (SCOPUS)
21. Sharma Mohit, **Mazumder Rupa**, Debnath Abhijit, "Hydrogel-Enabled Drug Delivery for Ulcerative Colitis", **Inflammopharmacology**, 34(3):1455-1486, Mar 2026. (SCI) [Q1]
22. Sharma R, **Majee C**, Mazumder R, Mazumder A, Salahuddin. "Insight into Recent

- Methods for Synthesizing Andrographolide Derivatives and Their Potential Pharmaceutical Effects”, **Curr. Top. Med. Chem.**; 2025. Accepted (SCI) [Q3]
23. Siddharth, **Salahuddin**, Siddhant, Mazumder A, Kumar R, Rav DP, Shahar Yar M, Ahsan MJ. “Ludwig Knorr’s synthesis: Advances in heterocyclic synthesis of quinoline, quinolone, pyrazole, and pyrrole derivatives. **Synthetic Communications**. 2026 Jan 23:1-28. (<https://doi.org/10.1080/00397911.2026.2616658>) (SCI) [Q3]
24. Singh Abhay Kumar, **MazumderRupa***, Dogra Anmol, Mishra Rakhi, “[Combinatorial Therapy of Nano formulation with Herbal Medicine to Circumvent Fungal Diseases](#)”, **Current Topics in Medicinal Chemistry**, 02 January, 2026. (SCI) [Q3]
25. Singh Ayushi, Mishra Rakhi, Mazumder Avijit "Anti-cancer Targets, Mechanisms and Actions of Heterocyclic Moieties: A Comprehensive Review" **Current Signal Transduction Therapy**, 2025 (SCOPUS)[DOI: <http://dx.doi.org/10.2174/0115743624421702251207202554>]
26. Singh H, Kumar R, Mazumder A, Yadav RK, “Rechallenge Therapy: New Dimension in Cancer Therapy”, **Anti-Cancer Agents in Medicinal Chemistry**, (SCI) Q3 [DOI:ACCEPTED]
27. Singhal Priya, **Mazumder Rupa***, Rani Anjna, Debnath Abhijit, “Development and Evaluation of a Baicalin-Loaded Phytosomal Transdermal Patch for Type 2 Diabetes Mellitus”, **Current Drug Metabolism**, 2026. (SCI) (Accepted) [Q3]
28. Sushant Jain, Avijit Mazumder and Bhavani Pentela"Integrative phytochemical profiling of *Allamanda cathartica* L. with antioxidant validation", **Alleopathy Journal**, 2026 (SCOPUS)(Accepted).
29. Swathi V, Dash A, **Majee C**, Sudan P, Satre VA, Reddy B. “A Case study on the Treatment of Severe Displacement of the Thumb Carpometacarpal Joints”. **Health Leadership and Quality of Life**. 2025;4:1, (SCOPUS) [DOI: <https://doi.org/10.56294/hl2025599>]
30. Shrishty Bahuguna¹, Saumya Das¹, Priyanka Bansal¹, Monika¹, Sachin Kumar Singh,” “Nanoformulation Strategies for Phoenixdactylifera Bioactives: Phytochemical Profile, Mechanistic Insights, and Translational Challenges”, **Journal of Chemical Health Risks**, 17 March 2026 (SCOPUS)(Web link: <https://www.jchr.org/index.php/JCHR/article/view/12647/6895>)

31. Kanda A, Rani A. Design Development and Optimization Using Box-Behnken Design (BBD) and in Vitro Evaluation of Cromolyn-Loaded Niosomes for Management of Alzheimer's Disease. *Journal of Pharmaceutical Innovation*. 2026 Aug;21(4):357.. (Accepted) [Q2] [ISSN:1872-5120; E-ISSN:1939-8042; Publisher: Springer Nature; (SCI) Impact Factor: 2.7; DOI: <https://doi.org/10.1007/s12247-026-10485-2>]
32. Ranjeet Kumar Yadav a , Rajnish Kumar a,* , Avijit Mazumder, "Synthesis, in-vivo, ADMET prediction, molecular docking studies, MD simulation, and DFT analysis of novel 1,3,4-oxadiazole-furan hybrids as anticonvulsants", *Journal of Molecular Structure Macrh* 2026 (SCI) [DOI: <https://doi.org/10.1016/j.molstruc.2026.145910>]
33. Nishu Pall , Rajnish Kumar1,* , Shrishti Tripathi1 , Avijit Mazumder1 and Salahuddin," "Advances in Synthesis of Piperazine Analogues and Molecular Targets: Unlocking Their Potential in CNS Disorder Therapy", *Letters in Organic Chemistry* (SCI) [DOI: 10.2174/0115701786403432260129211331]
34. Saumya Singh1 , Rajnish Kumar1,* , Shrishti Tripathi1 , Salahuddin1 , Avijit Mazumder1 , and Nardev Singh," Utility of Palladium as a Catalyst for the Synthesis of Five and Six-Membered Heterocyclic Moieties" , *Current Organic Chemistry* (SCI)[DOI: 10.2174/0113852728404183251203015241]
35. Archana Singh, Avijit Mazumder, Saumya Das, Rajnish Kumar, Anmol Kanda, "Synergistic Anti-dementia Effects of *Symplocos racemosa* Nanoemulsion: Isolation, Molecular Docking, and In Vivo Evaluation" *Current Neurovascular Research*, March 2026 (SCI)[DOI: 10.2174/0115672026421409260119050357]
36. Ansh Tripathi, Avijit Mazumder* , Priyanka Bansal, "Emerging and Novel Molecular Targets in Obesity: Advances Toward Precision Anti-Obesity Pharmacotherapy", *IJDDT* (SCOPUS) March 2026 [DOI:10.25258/ijddt.16.9s.21]