

**NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY (PHARMACY INSTITUTE)  
GREATER NOIDA  
List of Publications**

**2024**

SCI	SCOPUS	PEER REVIEWED	TOTAL NO. OF PUBLICATIONS
41	34	0	75

- Raj Ritik, Mazumder Rupa, Mishra Rakhi, Mishra Rashmi and Singh Baghel Dileep "Role of Chronotherapy in the Management of Hypertension: An Overview". Current Drug Therapy, 2024; 19(7): 794-808. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0115748855278395240119063324> ].
- Sharma Ruchi, Majee Chandana, Mazumder Rupa, Mazumder Avijit, Padhi Swarupanjali, Kumar Akshay, "Insight into the various approaches undertaken for the synthesis of quinoline hybrids imparting diverse therapeutic activities". Letters in Organic Chemistry, 2024; 21(9):756-783. (SCI) [DOI: <http://dx.doi.org/10.2174/0115701786279549231228125141> ].
- Debnath Abhijit, Mazumder Rupa, "Identification of Novel CDK 4/6 Inhibitors by High-throughput Virtual Screening", Letters in Drug Design & Discovery, 2024; 21(5):3229-3246. (SCI) [DOI: <http://dx.doi.org/10.2174/0115701808273043231130100833> ].
- Sharma Sharad, Semwal Bhupesh Chander, Mazumder Avijit, "Evaluation of Toxicity Studies of Sesbania Grandiflora Leaves Extracts in Wistar Albino Rats". Journal Of Applied Pharmaceutical Research, 2024; 12(1):42-51. (SCOPUS) [DOI: <https://doi.org/10.18231/j.joapr.2024.12.1.42.51> ].
- Sharma Ruchi, Majee Chandana, Mazumder Rupa, Mazumder Avijit, Tyagi Pankaj Kumar, Chaitanya MVNL, "Insight into the Role of Alkaloids in the Different Signalling Pathways of Cholangiocarcinoma". Journal of Natural Remedies, 2024; 24(1):43-58. (SCOPUS) [DOI: <https://doi.org/10.18311/jnr/2024/34661> ].
- Pooja, Mazumder Avijit, Das Saumya, "Urolithiasis: A systematic herbal approach on pathogenesis and treatment of calcium formation". Allelopathy Journal, 2024; 62(1):1-14. (SCOPUS). [10.26651/allelo.j/2024-62-1-1481]
- Das Sanjita, Das Saumya, Pal Sakshi, "Anti-Asthmatic and Immunomodulatory Effect of Actinidia deliciosa Fruit on Swiss Albino Mice", Indian Journal of Pharmaceutical Education and Research, 2024; 58(1):162-171. (SCI) [10.5530/ijper.58.1.17].
- Sharma Bhawana, Das Saumya, Mazumder Avijit, Rautela Deepraj Singh, Tyagi Pankaj Kumar, Khurana Navneet, "The role of neurotransmitter receptors in antipsychotic medication efficacy for Alzheimer's-related psychosis". The Egyptian Journal of Neurology, Psychiatry and Neurosurgery. 2024; 60(75):1-15. (SCOPUS) [DOI: <https://doi.org/10.1186/s41983-024-00848-2>].
- Das Saumya, Mazumder Avijit, Atri Ayush, Mazumder Rupa, Khan Fahad, Singh Sachin Kumar, "Platelet count enhancing and hepatoprotective activity of acetogenin isolated from the stem bark of Miliusa velutina (DC.) Hook.f. & Thomson". Indian Journal of Experimental Biology. 2024; 62(6):416-422. (SCI) [DOI: <https://doi.org/10.56042/ijeb.v62i06.3542> ].
- Singh Himanshu, Kumar Rajnish, Mazumder Avijit, Salahuddin, Yadav Ranjeet Kumar, Kukreti Neelima, Abdullah Mohd. Mustaqeem, Tyagi, Pankaj Kumar, Chaitanya MVNL, "Synthesis, In vivo, and silico Evaluation of New Pyrazoline- Benzothiazole Conjugates as Orally Administered Antiepileptic Agents". Chemistry & biodiversity, 2024. (SCI) [DOI: <https://doi.org/10.1002/cbdv.202400642> ]
- Jain Sanidhya, Mazumder Avijit, Das Saumya, "From Gut to Brain: Targeting Probiotics in Neurodegenerative Health". International Journal of Drug Delivery Technology, 2024; 14(2):1139-1147. (SCI) [10.25258/ijddt.14.2.80]

12. Pathak Deepika, Mazumder Avijit, "A critical overview of challenging roles of medicinal plants in improvement of wound healing technology". *DARU Journal of Pharmaceutical SCIences*, 2024; 32(4):379–419. (SCI) [DOI: <https://doi.org/10.1007/s40199-023-00502-x> ]
13. Gupta Jyoti, Rani Anjna, Tyagi Pankaj Kumar, Babu Malakapogu Ravindra, "Novel Therapeutic Approaches for Treatment of Melasma". *African Journal of Biological SCIences*, 2024; 6(si2):6158-6180. (SCOPUS) [DOI: <https://doi.org/10.48047/AFJBS.6.si2.2024.6158-618> ]
14. Gupta Jyoti, Rani Anjna, Kumar Arvind, Kumar Bimlesh "Potential of natural bioactive compounds in management of melasma". *Plant SCience Today*, 2024; 11(sp1):44-50. (SCOPUS) [DOI: <https://doi.org/10.14719/pst.3164> ]
15. Sharma Chanchal, Mazumder Avijit, "A Comprehensive Review on Potential Molecular Drug Targets for the Management of Alzheimer's Disease", *Central Nervous System Agents in Medicinal Chemistry*. 2024; 24(1):45-56. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0118715249263300231116062740> ]
16. Rautela Deepraj Singh, Das Saumya, Mazumder Avijit, Sharma Bhawana, Khan Fahad, Chaitanya M. V. N. L., "Understanding The influence of diabetes on wound healing and exploring effective management study". *Current SCience*, 2024; 126(12):1438-1445.(SCI) [WebLink: <https://www.currentSCience.ac.in/Volumes/126/12/1438.pdf> ]
17. Kumar Akshay, Majee Chandana, Mazumder Rupa, Sharma Ruchi, Mazumder Avijit, Mishra Rashmi, Wadhwa Pankaj, "The Role of Curcumin in Gastric Carcinoma by Modulating the Immune System and Its SAR". *Journal of Natural Remedies*, 2024; 24(1):59-70. (SCOPUS) [DOI: 10.18311/jnr/2024/34910 ]
18. Chauhan Anurag, Salahuddin, Mazumder Avijit, Kumar Rajnish, Ahsan Mohamed Jawed, Yar Mohammad Shahar, Maqsood Ramish, Kumar Singh, "Targeted Development of Pyrazoline Derivatives for Neurological Disorders: A Review". *Chemistry Europe*, 2024; 9(16):1-15. (SCI) [DOI: <http://dx.doi.org/10.1002/slct.202400738> ].
19. Goel Tanvi Rajiv, Salahuddin, Rana Kavita, Mazumder Avijit, Kumar Rajnish, Ahsan Mohamed Jawed, Sarafroz Mohammad, Tyagi Pankaj, Singh Saurabh, "Recent Innovations in Synthetic Methodologies and Patent Landscape of Quinoline Analogues: A Comprehensive Review". *Current Organic Chemistry*, 2024. (SCI) [DOI: 10.2174/0113852728311152240529082035 ]
20. Tyagi Sonakshi, Salahuddin, Mazumder Avijit, Kumar Rajnish, Datt Vimal, Km. Shabana, Sharma Abhishek Shankar, Ahsan Mohamed Jawed, Yar Mohammad Shahar, "Synthesis, Characterization, in silico and in vivo Evaluation of Amino Acid Derived Schiff Bases of Quinoline Benzimidazole Hybrids as Anti-epileptic Agents", *Indian Journal of Pharmaceutical Education and Research*. 2024; 58(1):80-92. (SCI) [DOI: <http://dx.doi.org/10.5530/ijper.58.1s.8> ].
21. Jain Sanidhya, Mazumder Avijit, Das Saumya, Tyagi Pankaj Kumar, Chaitanya M.V. N. L., "Harvesting Health: Phytochemicals in Cognitive Impairment Therapy". *Central Nervous System Agents in Medicinal Chemistry*. 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0118715249315826240603075900>].
22. Pathak Deepika, Mazumder Avijit, "Potential of flavonoids as promising phytotherapeutic agents to combat multidrug-resistant infections", *Current Pharmaceutical Biotechnology*, 2024; 25(13):1664-1692. (SCI) [DOI: <http://dx.doi.org/10.2174/0113892010271172231108190233> ].
23. Mohamed MA, Ali A, Ali A, Afzal O, Ahsan MF, Alamri MA, Alossaimi MA, Altamimi AS, Salahuddin, Ahsan MJ, "Targeting EGFR by Newer 1-(3, 5-Bis ((E)-4-hydroxy-3-methoxystyryl)-1H-pyrazol-1-yl)-2-((substituted phenyl) amino) ethan-1-one Analogues for the Treatment of Cancer: Synthesis, In-vitro and In- silico Studies". *Journal of Molecular Structure*, 2024. (SCI) [DOI: <https://doi.org/10.1016/j.molstruc.2024.138826> ].
24. Ahsan MF, Yusuf M, Ansari MY, Sahoo GC, Salahuddin, Ganta NM, Ahsan MJ, "An Efficient Synthesis of Curcumin Pyrazole Analogues and their Biological Activities". *Organic*

- Preparations and Procedures International, 2024. (SCI) [DOI: <https://doi.org/10.1080/00304948.2024.2320503>].
25. Ahsan MJ, Khandelwal K, Ali A, Ali A, Geesi MH, Riadi Y, Aldakhil T, Ahsan MF, Tahir A, Azam F, Salahuddin, "Solvent-free synthesis, anticancer activity and in-silico studies of 7-hydroxy-4-methylquinolin-2 (1H)-one analogues". *Journal of Molecular Structure*, 2024. (SCI) [DOI: <https://doi.org/10.1016/j.molstruc.2024.138654>]
  26. Sharma Ruchi, Majee Chandana, Mazumder Rupa, Padhi Swarupanjali, Khan Fahad, Saxena Pal Rashmi, "Insight into the Regulation of Nrf2/Keap 1 Pathway by Flavonoids as an Approach for Treatment of Liver Diseases-A Review". *Indian Journal of Pharmaceutical Education and Research* 2024; 58(1s):s40-s57. (SCI) [DOI: 10.5530/ijper.58.1s.4]
  27. Mishra Prem, Kaushik Niranjana, Mishra Rakhi, Koul Sameeksha, Sagar Sakshi, "Natural Alkaloids and Mechanisms for Anti-cancer Action: A Review". *Current Bioactive Compounds*, 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0115734072276134231130170407> ]
  28. Singh Ayushi, Mishra Rakhi, Mazumder Avijit, Tiwari Prashant, "Camellia Sinensis flavonoids potential to Combat Ovarian Cancer". *Allelopathy Journal*, 2024; 61 (1): 97-104. (SCOPUS) [DOI: <https://doi.org/10.26651/allelo.j%2F2024-61-1-1472> ]
  29. Singh Himanshu, Kumar Rajnish, Mazumder Avijit, "Protein kinase inhibitors in the management of cancer: therapeutic opportunities from natural compounds", *Journal of Asian Natural Products Research*, 2024; 26(6):663-680. (SCI) [DOI: <https://doi.org/10.1080/10286020.2024.2313546> ]
  30. Das Saumya, Mazumder Avijit, Ojha Smriti, Pathak Deepika, Singh Himanshu, Pandey Pratibha, Pal Rashmi Saxena, "Anti Urolithiasis and Diuretic Potentiality of Hemidesmus indicus R. Br.". *Current Bioactive Compounds*, 2024; 20(10):1-9. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0115734072286989240124112311> ]
  31. Harwansh Ranjit K, Chauhan Sonia, Deshmukh Rohitas, Mazumder Rupa, "Recent Insight into Herbal Bioactives-Based Novel Approaches for Chronic Intestinal Inflammatory Disorders Therapy". *Current Pharmaceutical Biotechnology*, 2024; 25(14):1835-1857. (SCI) [DOI: <http://dx.doi.org/10.2174/0113892010282432231222060355> ].
  32. Tyagi Shivani, Mishra Rakhi, Mazumder Avijit, Mazumder Rupa, Singh Gurvinder, Pandey Pratibha, "Synthesis, In-Silico Screening, and Biological Evaluation of Novel Pyridine Congeners as Anti-epileptic Agents Targeting ( $\alpha$ - amino-3-hydroxy-5-methylisoxazole) Receptors". *Chemical Biology & Drug Design*, 2024; 103(3):14498. (SCI) [DOI: <https://doi.org/10.1111/cbdd.14498> ]
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  34. Roy Tanmoy, Padhi Swarupanjali, Mazumder Rupa, Majee Chandana, Das Saumya, Monika, Mishra Rashmi, Kapoor Bhupinder Roy, "Alleviating Neurodegenerative Diseases Associated with Mitochondrial Defects by Therapeutic Biomolecules". *Current topics in medicinal chemistry*, 2024; 24(16): 1377-1407. (SCI) [DOI: <http://dx.doi.org/10.2174/0115680266299148240329062647>].
  35. Jain Ayush, Majee Chandana, Mazumder Rupa, Padhi Swarupanjali, Mazumder Avijit, Das Soumya, Kumar Arvind, Chaitanya MVNL, "Insight into the Novel synthesis approaches and biological activity of 1,3,4 oxadiazole: A Review". *Letters in Organic Chemistry*, 2024. (SCI) [DOI: <https://doi.org/10.2174/0115701786304096240324113413>]
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37. Sharma Bhawana, Das Saumya, Mazumder Avijit, Rautela Deepraj Singh, Tyagi Pankaj Kumar, Khurana Navneet, "The role of neurotransmitter receptors in antipsychotic medication efficacy for Alzheimer's-related psychosis". *The Egyptian Journal of Neurology, Psychiatry and Neurosurgery*. 2024; 60(75):1-15. (SCOPUS) [DOI: <https://doi.org/10.1186/s41983-024-00848-2>]
  38. Singh Archana, Mazumder Avijit, Das Saumya, Tyagi Pankaj Kumar, Chaitanya MVNL, "Probiotics in Action: Enhancing Immunity and Combatting Diseases for Optimal Health". *Journal of Natural Remedies*, 2024; 24(6):1153-1167. (SCOPUS) [DOI: <http://doi.org/10.18311/jnr/2024/35894>]
  39. Singh Archana, Mazumder Avijit, Das Saumya, Kanda Anmol, Tyagi Pankaj Kumar, Chaitanya MVNL, "Harnessing the power of probiotics: boosting immunity and safeguarding against various disease and infections". *Recent Advances in Anti- Infective Drug Discovery*, 2024; 24(6):1153-1167. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0127724344308638240530065552>]
  40. Singh Archana, Mazumder Avijit, Das Saumya, Kanda Anmol, Prabhakar Vishnu, Mishra Rashmi, Chaitanya MVNL, "Bovine colostrum: Unveiling its potent health benefits and emerging trends in optimizing well-being". *The Natural Products Journal*, 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0122103155310246240603074349>]
  41. Sanskriti, Mazumder Avijit, Bansal Priyanka, Pentela Bhavani, Tyagi Pankaj Kumar, Navneet Khurana, "Exploring the Potential of Traditional Herbal Plants in the Management of Diabetes Mellitus: A Comprehensive Investigation". *Journal of Natural Remedies*, 2024; 24(5):919-951. (SCOPUS) [DOI: <http://dx.doi.org/10.18311/jnr/2024/36061>].
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  43. Moriya Gaurav, Mazumder Rupa, Padhi Swarupanjali, Mishra Rakhi, Mishra Rashmi, Khurana Navneet, "Gastroretentive Hydrogels Responsive to External Stimuli for Novel Drug Delivery". *IJAP*, 2024; 16(4). (SCOPUS) [DOI: <https://doi.org/10.22159/ijap.2024v16i4.51051> ]
  44. Rohilla Janvi, Mishra Rakhi, Varshney Shruti, Mazumder Avijit, Mazumder Rupa, Kumar Arvind, Kaur Amrinder, "Multi-functional Acyl Urea Compounds: A Review on related Patents, Clinical Trials, and Synthetic approaches" *Current Organic Chemistry*, 2024. (SCI) [DOI: <https://doi.org/10.2174/0113852728307286240517054021> ]
  45. Mishra Prem Shankar, Mishra Rakhi, Patil Vaishali Manikrao, Dewangan Sameeksha, "Role of Natural Secondary Metabolites as HIF-1 Inhibitors in Cancer Therapy". *Medicinal Chemistry Research*, 2024; 33(5):721-734. (SCI) [DOI: <https://doi.org/10.1007/s00044-024-03219-x>]
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  48. Faizan Md, Kumar Rajnish, Mazumder Avijit, Salahuddin, Kukreti Neelima, Kumar Arvind, Chaitanya M. V. N. L., "Synthetic Protocols, Structural Activity Relationship, and Biological Activity of Piperazine and its Derivatives". *Medicinal Chemistry*, 2024;

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51. Yadav Neha, Deshmukh Rohitas, Mazumder Rupa, “A comprehensive review on the use of traditional Chinese medicine for cancer treatment”. Pharmacological Research - Modern Chinese Medicine, 2024; 11:1-17. (SCOPUS) [DOI: <https://doi.org/10.1016/j.prmcm.2024.100423> ]
52. Debnath Abhijit, Mazumder Rupa, "Clinical Progress of Targeted Therapy for Breast Cancer: A Comprehensive Review". Current Cancer Drug Targets, 2024. (SCI) [DOI: <https://doi.org/10.2174/0115680096289260240311062343> ]
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54. Chauhan Mansi, Mazumder Rupa, Rani Anjna, Kumar Arvind, Chaitanya MVNL, “Targeted Therapy for Atopic Dermatitis: A Novel Approach”, Current Drug Therapy, 2024. (SCOPUS) [<http://dx.doi.org/10.2174/0115748855307501240607045747>]
55. Dua Arpita, Debnath Abhijit, Kumar Kunal, Mazumder Rupa, Mazumder Avijit, Singh Rajesh, Mangal Saloni, Khan Fahad, Tripathi Soumya, Vishas Sukriti, Chaudhary Hema, Sharma Parul, Srivastava Shikha, “Advancements of Transdermal Glucose Monitoring biosensor: Current State, Generations of Technological Progress, and Innovation Dynamics”. Current Pharmaceutical Biotechnology, 2024. (SCI) [DOI: [10.2174/0113892010305386240625072535](https://doi.org/10.2174/0113892010305386240625072535)].
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58. Varshney Kamyia, Mazumder Rupa, Rani Anjna, Mishra Rashmi, Khurana Navneet, "Recent Research Trends against Skin Carcinoma - An Overview". Current Pharmaceutical Design, 2024. (SCI) [<http://dx.doi.org/10.2174/0113816128307653240710044902>]
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62. Upadhyay Sanskriti, Mazumder Avijit, Pentela Bhavani, Bansal Priyanka, Agarwal Neeraj, Singh Baghel Dileep," Immunological Implications in Diabetes: A Review on Various Diseases and Conditions". *The Natural Product*, 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0122103155298605240303181317>]
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64. Khan Noor, Mishra Rakhi, Mazumder Avijit, Mazumder Rupa, Singhal Kartik. Pharmacognostic investigation, antioxidant activity, anticancer activity and HPLC analysis of *Punica granatum* extract. *Community Practitioner*, Volume-21, issue 7, 2024. (SCOPUS) [DOI: 10.5281/zenodo.12705599]

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