

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

**List of Publications
2024**

SCI	SCOPUS	PEER REVIEWED	TOTAL NO. OF PUBLICATIONS
35	25	-	68

1. 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>]
2. 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>]
3. **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>]
4. **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>]

5. 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>]
6. Tyagi 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)
7. 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) [WebLink: <https://www.ijper.org/sites/default/files/IndJPhaEdRes-58-1-162.pdf>]
8. 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>]
9. **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>]
10. **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>]
11. 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) [WebLink: <https://impactfactor.org/PDF/IJDDT/14/IJDDT,Vol14,Issue2,Article80.pdf>]
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", *Ind. J. Pharm. Edu. Res.*, 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". *Ind. J. Pharm. Edu. Res. (IJPER)*, 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 (α -amino-3-hydroxy-5-methylisoxazole) Receptors”. Chemical Biology & Drug Design, 2024; 103(3):14498. (SCI) [DOI: <https://doi.org/10.1111/cbdd.14498>]
33. Tripathi Shrishti, **Kumar Rajnish, Mazumder Avijit, Salahuddin, Singh Himanshu, Yadav Ranjeet Kumar**, Kukreti Neelima, Mishra Rashmi, Singh Saurabh, “Oxidative Coupling: An Important Tool for Pyrrole Synthesis”. Letters in Organic Chemistry, 2024; 21(12):993-1005. (SCI) [DOI: <http://dx.doi.org/10.2174/0115701786304220240320073540>]
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>]
36. Chandel Shobhini, **Das Saumya**, Neha, Singh Chauhan Vijayant, "A Critical Study on the Synthetic and Herbal Medication Pattern in the Management of Psoriasis". Current Traditional Medicine, 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0122150838251874231011093514>]
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) [WebLink: <https://informaticsjournals.com/index.php/jnr/article/view/35894/29941>]
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)
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>]

42. Mishra Shankar Prem, **Mishra Rakhi**, Kumar Anuj. "Comprehensive Review on Alzheimer's Disease: Natural Therapeutics, Gaps, and Challenges". *Central Nervous System Agents in Medicinal Chemistry*, 2024. (SCOPUS) [DOI: <https://doi.org/10.2174/0118715249307525240614073143>]
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>]
46. Sharma Upasana, **Kumar Rajnish**, **Mazumder Avijit**, **Salahuddin**, Kukreti Neelima, Tyagi Pankaj Kumar, Khurana Navneet, "Rearrangement reactions: Important tool for the synthesis of piperazines". *Synthetic Communications*, 2024:1–20. (SCI) [DOI: <https://doi.org/10.1080/00397911.2024.2355471>]
47. Sharma Upasana, **Kumar Rajnish**, **Mazumder Avijit**, **Salahuddin**, Kukreti Neelima, Mishra Rashmi, Chaitanya M. V. N. L., "Substrate-based synthetic strategies and biological activities of 1, 3, 4-oxadiazole: A review". *Chemical Biology & Drug Design*, 2024; 103(6):e14552. (SCI) [DOI: <https://doi.org/10.1111/cbdd.14552>]
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; 20(8):753–780. (SCI) [DOI: <https://doi.org/10.2174/0115734064304396240415110015>]
49. Tripathi Shrishti, **Kumar Rajnish**, **Mazumder Avijit**, **Salahuddin**, Kumar Arvind, Singh Saurabh, "The Catalysts-Based Synthetic Approaches to Quinolines: A

- Review”. Medicinal Chemistry, 2024. (SCI) [DOI: <https://doi.org/10.2174/0115734064315729240610045009>]
50. Rautela Deepraj Singh, **Das Saumya, Mazumder Avijit**, Sharma Bhawana, Mishra Rashmi, Singh Gurvinder, “Current Aspects of Nanotechnology-Based Healing Approaches for Diabetic Wounds”. Current Nanomedicine, 2024. (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0124681873312611240520091435>]
51. Sanskriti, **Mazumder Avijit, Bansal Priyanka**, Mishra Rashmi, Khurana Navneet, “Exploring the Renoprotective Activity of Certain Herbal Remedies in Diabetic Nephropathy”. Current Traditional Medicine, 2024. (SCOPUS) [ACCEPTED]
52. 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>]
53. **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>]
54. **Debnath Abhijit, Mazumder Rupa, Mazumder Avijit**, Tripathi S., Dua Arpita, Singh Rajesh, Mangal Saloni, Sanchitra J., Pandey P., Pal B., Chaudhary Hema, Sharma P., Srivastava Shikha, “miRNA Vaccine: A quantum leap towards the upcoming cutting-edge revolution in Vaccinology”. Curr Gene Ther, 2024. (SCI) [ACCEPTED]
55. Chauhan Mansi, **Mazumder Rupa, Rani Anjna**, Kumar Arvind, Chaitanya MVNL, “Targeted Therapy for Atopic Dermatitis: A Novel Approach”, Current Drug Therapy, 2024. (SCOPUS) [ACCEPTED]
56. 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.]
57. Yadav Neha, Deshmukh Rohitas, **Mazumder Rupa**, “In Silico Modelling, Formulation, Optimization, and In-vitro Evaluation of Candidone Microsponges for the Management of Colorectal Cancer”, Journal of Applied Pharmaceutical Science, 2024. (SCOPUS) [ACCEPTED]

58. Yadav Neha, Deshmukh Rohitas, **Mazumder Rupa**, “Recent Review on Potentials of Saponins in the Regulation of Inflammation in Colon Cancer: Current Progress and Future Prospects”, *The Natural Products Journal*, 2024. (SCOPUS) [ACCEPTED]
59. Varshney Kamyra, **Mazumder Rupa**, **Rani Anjna**, Mishra Rashmi, Khurana Navneet, "Recent Research Trends against Skin Carcinoma - An Overview". *Current Pharmaceutical Design*, 2024. (SCI) [ACCEPTED]
60. Kharbanda Jyotsna, **Mazumder Rupa**, **Bhardwaj Snigdha**, **Mazumder Avijit**, **Mishra Rakhi**, Mishra Rashmi, Kumar Bimlesh, “Phytoconstituents Based Nanotherapeutic Approach for the Effective Management of Joint Inflammatory Condition: Arthritis”. *Current Drug Targets*, 2024. (SCI) [https://doi.org/10.2174/0113894501306516240531053653]
61. Kumari Preeti, **Mishra Rakhi**, **Mazumder Rupa**, **Mazumder Avijit**, **Singh Ayushi**, Singh Gurvinder, Tyagi Pankaj Kumar, “An Insight on Common and Advanced Synthesis Methodologies of Acyl Urea Analogs Targeting the CNS”. *Letters in Organic Chemistry*, 2024. Volume 21, Issues 12 (SCI) [DOI: http://dx.doi.org/10.2174/0115701786303718240409044341]
62. Ray Pushkar Kumar, Shabana Km, **Salahuddin**, **Kumar Rajnish**, “Synthetic Strategies of Thiazolidine-2,4-dione Derivatives for the Development of New Anti-Diabetic Agents: Compressive Review”. *Current Topics in Medicinal Chemistry*. Volume 24, Issues 10, 2024. (SCI) [DOI: http://dx.doi.org/10.2174/0115680266284283240304071648]
63. 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]
64. Yadav Sumit, **Mishra Rakhi**, **Mazumder Rupa**, **Mazumder Avijit**, **Varshney Shruti**, Mishra Rashmi, Chaitanya MVNL, A review on target and synthesis method of Pyridine compounds for anticonvulsant-antidepressant actions. *Journal of chemical reviews*, Sept. 2024. (Scopus) [ACCEPTED]
65. 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]

66. Mannan A, Pentela B, Pathak D, Das S. Role of herbal compounds to treat drug induced liver injury. *Allelopathy Journal*. 65(1), 2024. (SCOPUS) [ACCEPTED]
67. Rautela Deepraj Singh, **Das Saumya, Mazumder Avijit**, Sharma Bhawana, Mishra Rashmi, Singh Gurvinder, “Current aspect of Nanotechnology based healing approaches for diabetic wound, *Current nanomedicine*”. 2024 (SCOPUS) [DOI: <http://dx.doi.org/10.2174/0124681873312611240520091435>]
68. **Sakshi Sharma, Avijit Mazumder**. Exploring the Anti-Obesity Effects of Specific Medicinal Herbs: Focus on Herbal Approaches and their Role in Gut Microbiota. *Current Pharmaceutical Biotechnology*. Volume 25, Issues-17, 2024. (SCI) [DOI: [10.2174/0113892010311549240627104313](https://doi.org/10.2174/0113892010311549240627104313)]