

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
(PHARMACY INSTITUTE)

GREATER NOIDA

List of Publications

2023

SCI	SCOPUS	TOTAL NO. OF PUBLICATIONS
35	24	59

1. **Rana Kavita, Mazumder Avijit, Salahuddin, Agrawal Anurag, Sahu Jagidsh**, “Synthesis, in vivo Biological Evaluation and molecular docking study of some newer oxidazole Derivatives as Anticonvulsant, Antibacterial and Analgesic Agents” Current Computer-Aided Drug Design, 20(5);1-13, 2022 (SCOPUS) [DOI: 10.2174/1573409919666230207103707]
2. **Das Saumya, Mazumder Avijit, Sahu Neha, Das MK, Chand Suniti, Kumar Ankit**, “Ethnopharmacology of Genus Rubus: Modern Science from Ancient Science” Journal of Natural Remedies, 22(4);440-449, 2022, (SCOPUS) [DOI: <https://doi.org/10.18311/jnr/2022/29886>]
3. **Das Sanjita, Dubey Anupam, Divya**, “Tabernaemontana divaricata: A herbal Panacea” Journal of Natural Remedies, 2(4);550-562,2022 (SCOPUS) [DOI: 10.18311/jnr/2022/29962]
4. Chaudhary Amrendra K., Singh Vandana, Ahmad Shamim, **Mazumder Avijit**, “Wound healing, antimicrobial and antioxidant potentials of cedrus deodara loud. And pinus roxburghii sarg.” Indian Drugs, Indian Drugs, 15(6);6245-6257, 2022 (SCOPUS) [DOI: <https://doi.org/10.53879/id.59.09.13133>]
5. **Bhardwaj Pratishtha, Mazumder Avijit, Das Saumya, Singh Himanshu, Nashra, Dhasmana Shruti**, “A Critical Analysis of Relationship and Management of Sweet Bones in Insulin-Dependent Diabetes Mellitus” International Journal of Pharmaceutical Sciences and

Nanotechnology (IJPSN), 15(6);6245-6257, 2022 (SCOPUS) [DOI; <https://doi.org/10.37285/ijpsn.2022.15.6.7>]

6. Pradhan Vikas, **Salahuddin, Kumar Rajnish, Mazumder Avijit**, Abdullah MM, Shahar Yar M, Ahsan MJ, Ullah Z. "Molecular Target Interactions of Quinoline Derivatives as Anticancer Agents: A Review." Chem Biol Drug Des. 101(2);977-997, 2022, (SCI) [DOI: 10.1111/cbdd.14196].
7. **Majee Chandana, Mazumder Rupa**, Alka N Choudhary, "Hepatoprotective potentiality of isolated flavonoids from *Trapa natans* L. Against the paracetamol –induced oxidative stress in rats", Indian Journal of Experimental Biology (IJEB), 60(12);910-917, 2022 (SCI)[DOI: <https://doi.org/10.56042/ijeb.v60i12.55735>].
8. Priya Neha, **Majee Chandana, Mazumder Rupa, Padhi Swarupanjali, Salahuddin**, Dahiya Aman, Atriya Anmol, Datt Vimal, **Mazumder Avijit**, "Isolation of Quercetin from Pomegranate Peel, its Conversion to 3-O-Octylquercetin, and their In-silico Analysis" Indian Journal of Heterocyclic Chemistry, 32(3);387-392, 2022, (SCI) [DOI: <https://connectjournals.com/01951.2022.32.387>]
9. Patel Manisha, **Mazumder Rupa, Mishra Rakhi**, Kaushik Kamal Kant, "Potential of Nanotechnology-based Formulations for Combating Pulmonary Infections: A Current Scenario", Current Pharmaceutical Design, 28(42);3413-3427, 2022 (SCI)[DOI: <https://doi.org/10.2174/1381612829666221116143138>].
10. Atriya Anmol, **Majee Chandana, Mazumder Rupa**, Choudhary Alka N., **Salahuddin, Mazumder Avijit**, Dahiya Aman, Priya Neha, "Insight Into the various approaches for the enhancement of bioavailability and pharmacological potency of terpenoids: A Review", Current Pharmaceutical Biotechnology, 20(20);1-17, 2022. (SCI)[DOI: <https://doi.org/10.2174/1389201024666221130163116>]
11. Km Shabana, **Salahuddin, Mazumder Avijit, Kumar Rajnish**, Datt Vimal, Tyagi Sonakshi, Yar Mohammad Shahar, Ahsan Jawed Mohamed and Sarafroz Mohammad, "Review on the Discovery of New Benzimidazole Derivatives as Anticancer Agents: Synthesis and Structure-Activity Relationship (2010-2022)", Letters in Drug Design & Discovery, 20(20);1-29, 2022 (SCI) [DOI: 10.2174/1570180820666221017155955]
12. Vimal Datt, **Salahuddin, Mazumder Avijit, Kumar Rajnish, Singh Himanshu, Yadav Ranjeet Kumar**, Shabana Km, Yar Mohammad Shahar, Ahsan Mohamed Jawed, "Synthesis, Structure-

- Activity Relationship, and Biological Activity of Benzimidazole-Quinoline: A Review” to Aid in the Design of a New Drug” Letters in Drug Design & Discovery, 2022 (SCI)(Accepted)
13. Sharma Abhishek Shankar, **Salahuddin, Mazumder Avijit, Kumar Rajnish**, Datt Vimal, Shabana Km, Tyagi Sonakshi, Yar Mohammad Shahar and Ahsan Mohamed Jawed, “Recent Updates on Synthesis, Biological Activity, and Structure-Activity Relationship of 1,3,4-Oxadiazole-Quinoline Hybrids: A Review”, Current Organic Synthesis, 20(20);1-30, 2022. (SCI)[DOI: 10.2174/1570179420666221004142659].
 14. Ahsan MJ, Ali Amena, Ali Abuzer, Thiriveedhi Arunkumar, Bakht Mohammed A., Yusuf Mohammad, **Salahuddin**, Afzal Obaid, and Altamimi Abdulmalik Saleh Alfawaz “Pyrazoline Containing Compounds as Therapeutic Targets for Neurodegenerative Disorders”, ACS OMEGA 7(43);38207–38245, 2022,(SCI)[DOI: <https://doi.org/10.1021/acsomega.2c05339>]
 15. Tyagi Sonakshi, **Salahuddin, Mazumder Avijit, Kumar Rajnish**, Datt Vimal, Shabana Km, Shahar Yar Mohammad, Ahsan MJ, “Synthesis and SAR of Potential Anti-Cancer Agents of Quinoline Analogues: A Review” Medicinal Chemistry, 2022 (SCI)(Accepted)
 16. **Das S, Debnath A**, Manoj S, Saumya D. “In-Silico Investigation based Plant Secondary Metabolites as Promising Immunostimulants against Covid-19”. Suranaree J Sci Technol. 29(6);1-13, 2022 (Scopus) [DOI: <https://ird.sut.ac.th/journal/sjst/#/los/manuscript/25349>]
 17. **Singh Himanshu, Kumar Rajnish**, Tiwari Prashant, **Singh Ayushi** “Recent Advances in Synthetic Strategies of Benzimidazole and its Analogs: A Review”, Current Organic Chemistry,26(19);1767-1778, 2022 (SCI)[DOI:<https://doi.org/10.2174/1385272827666221216113723>]
 18. **Padhi Swarupanjali, Mazumder Rupa**, Bisth Shradha, “Preformulation Screening of Lipids Using Solubility Parameter Concept in Conjunction with Experimental Research to Develop Ceftriaxone Loaded Nanostructured Lipid Carriers”, Brazilian Journal of Pharmaceutical Sciences, 2023 (SCI) (Accepted)
 19. **Debnath Abhijit, Mazumder Rupa, Mazumder Avijit**, Singh Rajesh, Srivastava Shikha, “In Silico Identification of HDAC Inhibitors for Multiple Myeloma: A Structure-based Virtual Screening, Drug Likeness, ADMET Profiling, Molecular Docking, and Molecular Dynamics Simulation Study”, Letters in Drug Design & Discovery, 20(0);1-18, 2023, (SCI) [DOI: <https://doi.org/10.2174/1570180820666230125102954>].
 20. Ashish, Mazumder Avijit, Das Sanjita “Evaluation of Potentiality of Salvia hispanica in the Management of Irritable Bowel Syndrome in wistar albino rats”, Indian J. Pharm. Edu. Research, 57(2);1-7, 2023(SCI) [DOI: 57.2.1]
 21. Kaushik Kamal Kant, **Mazumder Rupa, Debnath Abhijit**, Patel Manisha, "A Brief Study on

- Drug Repurposing: New Way of Boosting Drug Discovery", Letters in Drug Design & Discovery, 20(3);264-278, 2023, (SCI)[DOI: <https://doi.org/10.2174/1570180819666220901170016>]
22. Budhori Rajat, **Mazumder Rupa, Mishra Rakhi**, Kaushik Ayushi, Manorma, **Padhi Swarupanjali**, "Ophthalmic Drug Delivery: New Dimensions", International Journal of Pharmaceutical Sciences and Nanotechnology, 16(5);6350-6361,2023 (SCOPUS) [DOI: <https://doi.org/10.37285/ijpsn.2023.16.1.8>]
23. **Majee Chandana, Mazumder Rupa**, Alka N Choudhary, "Assessment of *in vivo* wound healing potentiality of *Trapa natans* L. leaves on different wound models in rat", Indian Journal of Traditional Knowledge (IJTK), 2023. (SCI)(Accepted).
24. Kumar Akhalesh, **Mishra Rakhi, Mazumder Rupa, Mazumder Avijit**, "Design, Synthesis, Characterization, and Anti-Cancer Activity Evaluation of Novel Thiosemicarbazide Analogs", Indian J. Pharm. Edu. Res, 57(1);210-217, 2023, (SCI)[DOI: <https://doi.org/10.5530/jscires.11.2.17>]
25. **Rani Anjna**, Singh Veena Devi, **Mazumder Rupa**, Dua Kamal, "Cancer Proteomics for Cellular Dysfunction: Insights and Trends", Current Pharmaceutical Design", Current Pharmaceutical Design, 40(20);1-16, 2023. (SCI) [DOI: 10.2174/1381612829666230316110932]
26. Dahiya Aman, **Majee Chandana, Mazumder Rupa**, Priya Neha, **Salahuddin**, Atriya Anmol, "Insight into the Glycosylation Methods of the Flavonoids as an Approach to Enhance its Bioavailability and Pharmacological Activities", Indian Journal of Pharmaceutical Education and Research (IJPER), 27(2);354-371, 2023 (SCI)[DOI: 10.5530/ijper.57.2.45]
27. Singh Anuradha; Dhaneshwar, Suneela; **Mazumder, Avijit** "Investigating Neuroprotective Potential of Berberine, Levetiracetam and their Combination in the Management of Alzheimer's Disease Utilizing Drug Repurposing Strategy", Current Reviews in Clinical and Experimental Pharmacology, 18(2);182-190, 2023 (SCI) [DOI: <https://doi.org/10.2174/2772432816666210910104306>]
28. **Das Saumya, Shakya Richa, Mazumder Avijit**, Gautam Anamaika, "Caryota urens and Hyophorbe lagenicaulis Neutraceutical by Managing Commercially Available Drug Induced Nephrotoxicity" Indian Journal of Pharmaceutical and Education Research, 57(2);503-510, 2023 (SCI) [DOI; 10.5530/ijper.57.2.61]
29. **Mazumder Avijit**, Kumar Naveen, **Das Saumya**, "A Comparative Evaluation of Various Therapies of Synthetic Drugs with Amla and Honey Combination for the Treatment of Gastroesophageal Reflux Disease" Indian Journal of Pharmaceutical and Education Research, 57(2);540-546, 2023 (SCI) [DOI: 10.5530.ijper.57.2.66]

30. Ray Pushkar, **Salahuddin, Mazumder Avijit, Kumar Rajnish**, Ahsan Jawed M. "Synthesis, Anticonvulsant and Molecular Docking studies of (3,5-distributed-4,5-dihydro-1H-pyrazol-1-yl) (4-chlorophenyl) Methanone Derivatives" Indian Journal of Pharmaceutical and Education Research, 57(1);540-546, 2023 (SCI) [DOI: 10.5530/001954641727]
31. Tigliani Devleena, **Salahuddin, Mazumder Avijit, Kumar Rajnish**, Yar Shahar, Ahsan Jawed, Shabana Km, "Synthesis Anticonvulsant and cytotoxic Evaluation of Benzimidazole-Quinoline Hybrids Schiff Base Analogs", Polycyclic aromatic compounds, 2023 (SCI) [DOI: <https://doi.org/10.1080/10406638.2023.21083969>]
32. **Mazumder Avijit**, Singh Tanya, Prabhakar Vishnu, Kanda Anmol, "TRP Channels as emerging targets in neurological disorder", International Journal of Drug Delivery Technology, 13(1);1-12, 2023 (SCOPUS) [DOI: 10.25258/ijddt.13.1.00]
33. **Mazumder Avijit**, Singh Tanya, Prabhakar Vishnu, Kanda Anmol, "TRP Channels as emerging targets in neurological disorder", International Journal of Drug Delivery Technology, 13(1);442-453, 2023 (SCOPUS) [DOI: 10.25258/ijddt.13.1.00]
34. **Debnath A**, Chaudhary H, **Kumar R**, Shokeen A, Khurana R. "Discovery of Novel Cathepsin D Inhibitors by High- Throughput Virtual Screening". Biointerface Res Appl Chem. 13(5);1-13, 2023 (Scopus)[DOI: 10.33263/BRIAC135.483]
35. Mishra Prem Shankar, Ravichandiran V., **Mishra Rakhi** " Novel 2-pyridone analogs with Anti-Cancer activity: Synthesis, In-Silico, and In-Vitro Evaluation" Letters in drug design and discovery, 2023, (SCI)[DOI:10.2174/1570180820666230223113234]
36. Shrivastava Nansi, **Mishra Rakhi**, Tiwari Prashant, **Singh Ayushi**, "Review on Paclitaxel Derivatization: Enhanced Anticancer Action" Letters in drug design and discovery., 20(), 2023, (SCI) [DOI: <http://dx.doi.org/10.2174/1570180820666230303112514>]
37. Rajput Girish, **Kumar Rajnish, Mazumder Avijit, Salahuddin, Singh Himanshu**, Kumar Upendra, Abdullah Mohd. Mustaqeem, Shahar Yar Mohammad Kumar Neeraj "Insight into the Synthesis, Biological Activity, and Structure-Activity Relationship of 1,2,4-Oxadiazole and Analogs: A Comprehensive Review". Letters in Drug Design & Discovery2023, (SCI) (Accepted)
38. Chauhan Bharti, **Kumar Rajnish, Salahuddin, Singh Himanshu**, Afzal Obaid, Altamimi Abdulmalik, Abdullah Saleh, **Yadav Sanjay Kumar** "Design, Synthesis, In Vivo, and In Silico Evaluation of Benzothiazoles Bearing a 1,3,4-Oxadiazole Moiety as New Antiepileptic Agents" ACS Omega, 20(8);2520-2530, 2023 (SCI) [DOI: <https://doi.org/10.1021/acsomega.2c06967>]

39. Kanda Anmol, **Mazumder Avijit**, **Das Saumya**, Prabhakar Vishnu, Singh Tanya, Kumari Soni, Mishra Apoorva, “Regulation of Autophagy in Neurodegenerative Disease: A brief review on Autophagy Therapy for Neurodegenerative Disease” *International Journal of Drug Delivery Technology*, 13(1);423-433, 2023 (**SCOPUS**) [DOI: <http://dx.doi.org/10.25258/ijddt.13.1.68>]
40. Gajender, **Mazumder Avijit**, Sharma Ashwani, Azad K, “A Comprehensive Review of the Pharmacological Importance of Dietary Flavonoids as Hepatoprotective Agents. Kuo C-Y, editor. *Evidence-Based Complement Altern Med* [Internet]. 2023;2023:4139117. Available from: <https://doi.org/10.1155/2023/4139117>
41. **Mishra Soumya**, **Mazumder Rupa**, Deshmukh Rohitas, Rahman Akhlaquer, Harwansh Ranjit K., “Recent updates on transdermal drug delivery approaches for the management of gout and its clinical perspective”, *Current Pharmaceutical Biotechnology*, 2023. (Accepted) (ISSN / eISSN: 1389-2010 / 1873-4316; Bentham Science Publ Ltd.; **SCI Expanded**; **SCOPUS**; Impact Factor: 2.56)
42. Pandey Pratibha, Khan Fahad, Choi Min, Singh Sujeet Kumar, Kang Han Na, Park Moon Nyeo, Ko Seong-Gyu, Sahu Sanjeev Kumar, **Mazumder Rupa**, Bonglee Kim, “Review deciphering potent therapeutic approaches targeting Notch signaling pathway in breast cancer”, *Biomedicine & Pharmacotherapy*, 164, Aug 2023.
(ISSN / eISSN: 0753-3322 / 1950-6007; **SCI Expanded**; **SCOPUS**; Open Access; Peer Reviewed; Impact Factor: 7.419; Cite Score: 0.1; Publisher: Elsevier; Article DOI: <https://doi.org/10.1016/j.biopha.2023.114938>)
43. Sakshi, **Mazumder Rupa**, Monika, Singh Neha, Kumar Bimlesh, “Novel Approaches for Allergen-Specific Immunotherapy – An Overview”, *Trends in Immunotherapy*, 7(1), 1-18, 2023. (E-ISSN:2573-5985; **SCOPUS**; Open Access; Peer Reviewed; Impact Factor: 0.12; Cite Score: 0.1; Publisher: EnPress Publisher, LLC; Article DOI: <http://dx.doi.org/10.24294/ti.v7.i1.2026>)
44. Singh Neha, **Mazumder Rupa**, Monika, Sakshi, Khan Fahad, Kumar Bimlesh, “Development in Therapeutic Strategies for Allergic Conjunctivitis”, *Trends in Immunotherapy*, 7(1), 2023. (E-ISSN:2573-5985; **SCOPUS**; Open Access; Peer Reviewed; Impact Factor: 0.12; Cite Score: 0.1; Publisher: EnPress Publisher, LLC; Article DOI: <http://dx.doi.org/10.24294/ti.v7.i1.2025>)
45. **Mazumder, Avijit**, Naveen Kumar and **Saumya Das**. “A Comparative Evaluation of Various Therapies of Synthetic Drugs with Amla and Honey Combination for the Treatment of Gastroesophageal Reflux Disease.” *Indian Journal of Pharmaceutical Education and Research* 57(2); 541-545, 2023 [**SCOPUS**] [DOI: <https://doi.org/10.5530/ijper.57.2.66>]

46. **Das Saumya, Shakya Richa, Mazumder Avijit**, Gautam Anamika. Caryota urens and Hyophorbe lagenicaulis as Nutraceutical by Managing Commercially Available Drug Induced Nephrotoxicity. *Ind. J. Pharm. Edu. Res.* 2023 Apr 1;57(2):503-10 (**SCOPUS**)
47. **Das Saumya, Mazumder Avijit**, Gautam Anamika, Nashra, Gupta Hrithik. Amelioration of Cisplatin and Gentamicin Induced Kidney Damage by Caryota urens and Hyophorbe lagenicaulis. *Research Journal of Pharmacy and Technology.* 2023 Mar 31;16(3):1274-1282. (**SCOPUS**) [DOI: <https://doi.org/10.52711/0974-360x.2023.00210>]
48. Reshu, **Mazumder Avijit, Das Saumya, Mazumder Rupa**, Pandey Pratibha, Singh Saurabh. ATTENUATION OF DIABETIC NEPHROPATHY BY NATURAL FLAVONOIDS: A SYSTEMATIC REVIEW. *European central bank*, 2023 (**SCOPUS**)
49. Chandel Shobhini, **Das Saumya, Mazumder Avijit**, Neha, Chauhan Vijayant. An overview on phytoconstituents and multiple biological activities of Euphorbia hirta. *Plant Science Today.* 2023 May 13. (**SCOPUS**)
50. Pandey Pratibha, Khan Fahed, Seifeldin Sara, Alshaghдали Khalid, Siddiqui Samra, Abdelwadoud ME, Vyas M, Saeed Mohd, **Mazumder Avijit**, Saeed Amir. Targeting Wnt/ β -Catenin Pathway by Flavonoids: Implication for Cancer Therapeutics. *Nutrients.* 2023 Apr 26;15(9):2088. (**SCI**) [DOI: <https://doi.org/10.3390/nu15092088>]
51. Mishra Prem Shankar, Ravichandiran Velayutham and **Mishra Rakhi**. Novel 2-pyridone analogs with Anti-Cancer activity: Synthesis, In-Silico, and In-Vitro Evaluation. *Letters in Drug Design & Discovery*, 40(20); 1-13, 2023 (**SCI**) [DOI: <http://dx.doi.org/10.2174/1570180820666230223113234>]
52. **Singh Ayushi, Mishra Rakhi, Mazumder Avijit, Mazumder Rupa**, Tiwari P. Multiple Cancer Combating by Natural Bioactives: A Review. *Current Cancer Therapy Reviews.* 2022 Nov 1;18(4):239-51. (**SCOPUS**) [DOI: <http://dx.doi.org/10.2174/1573394718666220820114240>]
53. **Kumar Rajnesh, Singh Himanshu, Mazumder Avijit, Salahuddin, Yadav Ranjit**. Synthetic Approaches, Biological Activities, and Structure–Activity Relationship of Pyrazolines and Related Derivatives. *Topics in Current Chemistry.* 2023 Apr;381(3):12. (**SCI**) <https://doi.org/10.1007/s41061-023-00422-z>
54. **Singh Himanshu, Kumar Rajnesh, Mazumder Avijit**. Synthesis of pyrazolines via 1, 3-dipolar cycloaddition reactions. *Synthetic Communications.* 2023 Jun 3;53(11):755-70. (**SCI**) <https://doi.org/10.1080/00397911.2023.2201455>
55. Ahsan MJ, Ali A, Ali A, Afzal O, Yusuf M, Altamimi AS, Sharma O, Alossaimi MA, Bakht MA. Synthesis of New 4'-(Substituted phenyl) spiro [indoline-3, 3'-[1, 2, 4] triazolidine]-2, 5'-diones as Antimicrobial, Antitubercular, and Antifungal Agents: An Insight into the ADME and Toxicity

Prediction as well as in-silico Molecular Docking Studies. *Journal of Molecular Structure*. 2023 Oct 15;1290:135846.(**SCI**) [DOI: <https://doi.org/10.1016/j.molstruc.2023.135846>]

56. Pandey P, Khan F, Choi M, Singh SK, Kang HN, Park MN, Ko SG, Sahu SK, **Mazumder Rupa**, Kim B. Review deciphering potent therapeutic approaches targeting Notch signaling pathway in breast cancer. *Biomedicine & Pharmacotherapy*. 2023 Aug 1;164:114938. (**SCI**) [DOI: <https://doi.org/10.1016/j.biopha.2023.114938>]
57. Singh N, **Mazumder R**, Monika M, Sakshi S, Khan F, Kumar B. Development in therapeutic strategies for allergic conjunctivitis. *Trends in Immunotherapy*. 2023 May 31;7(1):2025. (**SCOPUS**)
58. Sakshi, **Mazumder Rupa**, Monika, Singh Neha, Kumar Bimlesh. Novel approaches for allergen-specific immunotherapy—An overview. *Trends in Immunotherapy*. 2023 Jun 1;7(1):2026. (**SCOPUS**)
59. **Mishra Soumya**, **Mazumder Rupa**, Rohitas Deshmukh, Akhlaquer Rahman, Harwansh Ranjit. Recent updates on transdermal drug delivery approaches for the management of gout and its clinical perspective, *Current Pharmaceutical Biotechnology*, 2023. (Accepted) (**SCI**)