



Mr. Sourav Roy

M.Pharm (Pharmacology),

Assistant Professor of Pharmacology

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Areas of Interest / Research Interest

My main areas of interest regarding research purposes are the effect of various types of drugs on the heart as well as the cardiovascular system.

Publications in National and International Journals and Periodicals

1. Somnath Saha, Sourav Roy, Souvik Pal, Mrityunjoy Majumdar. Preclinical Evaluation of Hydro Alcoholic Extract of fruits of Cascabela thevetia for its Cardio Toxic Activity. Research J. Pharm. and Tech 2019; 12(8):3755-3758. doi: 10.5958/0974-360X.2019.00643.7
2. Sarkar S, Bagchi A, Raha A, Mukherjee P, Paul M, Roy S, Mamud RM. In vitro anticoagulant activity of Datura stramonium flower extracts on blood plasma of poultry bird. Pharma Innov. J. 2019;8(4):1146-8.
3. Saha A, Chatterjee A, Singh S, Ghosh J, Majumdar M, Roy S, Roy P. Herbal Agents Having Abortive Activity. Journal for Research in Applied Sciences and Biotechnology. 2022 Aug 31;1(3):204-15.
4. Chowdhury A, Majumdar M, Roy S, Roy P, Singh S, Ghosh J. Screening of Volatile Constituents of N. sativa on Calcium Depleted Heart Model. Journal for Research in Applied Sciences and Biotechnology. 2022;1(5):202-4.
5. Samadder SS, Singh S, Saha A, Chatterjee A, Majumdar M, Roy S, Roy P. Preclinical Evaluation of Tropic Activity on Isolated Frog Heart by Using Volatile Oil of Nigella sativa Seeds. Journal for Research in Applied Sciences and Biotechnology. 2022 Oct 31;1(4):1-4.
6. Roy P, Das A, Pramanick k, Majumdar M, Roy S. Review on Neonatal Gut Microbiota and Adverse Effects of Antibiotics Misused on It. GIS SCIENCE JOURNAL. 2022;9(6):1757-1763

7. Roy S, Majumdar M, Roy P, Saha S, Das S, Dey M, Porel P. Evaluation of the Effect of *Tagetes erecta* Leaves Hydroalcoholic Extract on Blood Clotting Time. *Journal for Research in Applied Sciences and Biotechnology*. 2023 Apr 25;2(2):115-7.
8. Roy P, Saha P, Biswas D, Manna R, Chanda A, Majumdar M, Roy S, Chattopadhyay S. Pre-Clinical Evaluation of Hydro-Alcoholic Extract of *Marsilea Quadrifolia* Leaves for Anthelmintic Activity. *International Journal of Biology, Pharmacy and Allied Sciences*. 2023;12(6SPL):425-433
9. Roy P, Das H, Majumdar M, Roy S, Ghosh J. Preclinical Evaluation of Hydroalcoholic Extract of *Panax Ginseng* Root on Cardiovascular Activity. *International Journal of Biology, Pharmacy and Allied Sciences*. 2023;12(6SPL):128-135.
10. Das H, Majumdar M, Roy S, Roy P, Singh S, Mondal S, Das A. Preclinical Evaluation of hydroalcoholic extract of *Moringa oleifera* leaves for its Cardiotropic activity on albino Wistar rat. *Research Journal of Pharmacy and Technology*. 2023 Jul 24;16(7):3417-21.
11. Saha P, Biswas D, Roy P, Majumdar M, Roy S, Manna R, Chanda A, Das S, Mukherjee M, Dey S, Das D. Herbs Having Analgesic Activity. *Journal for Research in Applied Sciences and Biotechnology*. 2023 Oct 3;2(5):1-11.
12. Roy S, Das D, Sarkar P, Dutta S, Jana P, Roy Sd, Majumdar M, Roy P, Sarkar Ns, Saha A, Singh S, Baisya O, Ghosh S, Roy Santanu, Chattopadhyay S. Preclinical Evaluation of Hydroalcoholic Extract of Leaves of *Catharanthus Roseus* for Its Effect on The Central Nervous System. *International Journal of Biology, Pharmacy and Allied Sciences*. 2023;12(10SPL): 21-28.
13. Roy S, Nandi D, Das D, Majumdar M, Roy P, Ghosh S, Roy S, Jana P, Dutta S, Roy Sd, Das S, Manna R, Saha P, Chanda A, Dey S, Mukherjee M. The Study of Preclinical Evaluation of Hydroalcoholic Extract of *Catharanthus Roseus* Leaves For It's Tropic Effect on Isolated Heart of Albino Wistar Rat. *International Journal of Biology, Pharmacy And Allied Sciences*. 2023;12(10SPL): 487-895.
14. Majumdar M, Fazal M, Biswas Ds, Ghosh T, Chatterjee A, Roy P, Roy S, Paul S. Evaluation of The Hepatoprotective Activity of Formulation Containing Andrographolide on Hepatotoxicity Induced Albino Wistar Rat. *International Journal of Biology, Pharmacy And Allied Sciences*. 2024;13(2): 914-922.
15. Manna R, Chanda A, Saha P, Biswas D, Roy P, Majumdar M, Roy S, Chattopadhyay S. Preclinical Evaluation of *Moringa Oleifera* Flower's Hydroalcoholic Extract for Its Anthelmintic Activity on *Tubifex Tubifex*. *International Journal of Biology, Pharmacy and Allied Sciences*. 2024;13(2):923-933.
16. Roy P, Majumdar M, Roy S, Pramanick K, Das A, Manna R, Chanda A, Saha P, Biswas D. Preclinical Evaluation of *Marsilea Quadrifolia* Leaves for Its Wound Healing Activity. *International Journal of Biology, Pharmacy and Allied Sciences*. 2024;13(2):983-995.
17. Roy S, Ghosh S, Pramanick K, Roy P, Majumdar M, Roy Sourav. Preclinical Evaluation of *Paederia foetida* leaves for Burn Wound Healing Activity. *Research Journal of Pharmacy and Technology*. 2024; 17(4):1727-1730.

18. Haldar S, Saha A, Majumdar M, Paul S, Paul M, Roy S, Mukhopadhyay B, Roy P. Preclinical Evaluation of a Homeo Formulation 'Force Drop' for its androgenic activity. Research Journal of Pharmacy and Technology. 2024; 17(5):1991-1994.
19. Majumdar M, Samanta A, Bhattacharjee A, Manna R, Fazal M, Das P, Mondol S, Roy P, Roy S. Evaluation of Hepatoprotective activity of a Formulation containing Andrographolide (AGP) and Choline Chloride on Poultry Chickens. Research Journal of Pharmacy and Technology. 2024; 17(7):3181-4.
20. Majumdar M, MANDAL D, SAHA A, ROY P, ROY S, PRAMANICK K AND SAHA K. PRECLINICAL EVALUATION OF HYDRO-ALCOHOLIC EXTRACT OF HYGROPHILA AURICULATA LEAVES FOR CARDIO-TROPIC ACTIVITY. International Journal of Biology, Pharmacy and Allied Sciences. 2024; 13(8): 3871-3879
- 21.

Paper(s) presented in Seminars / Conferences / Symposia

1. "Preclinical evaluation of vol oil of N Sativa for cardio protective activity by hypodynamic heart model" Poster No: D-163, 72 IPC. 2023
2. "Preclinical evaluation of M. quadrifolia leaves for burn wound healing" Poster No: D218, 72 IPC. 2023
3. "Preclinical evaluation of hydroalcoholic extract of garlic for its inotropic and chronotropic effect by using perfused heart model". Poster ID: D292, IPC-73. 2024
4. Evaluation of hydroalcoholic extract of Ficus carica fruit for its cardiotropic activity on albino wister rat. Poster ID: D294, IPC-73, 2024

Books/Book Chapter(s) written

Publication year	Title of the book/chapter	Author(s)
Nil	Nil	Nil

Number of PG Projects guiding/guided

Guided: 11 STUDENTS

Number of UG Projects guiding/guided

Guided: UPTO 24 STUDENTS

Number of Ph.D. Projects guiding/guided

Guided: NIL

Awards /Achievements

Year	Award / Recognition	Agencies (International / Central Govt. / State Govt.)
NA	NA	NA

*Required by NIRF Ranking

Intellectual Property Rights (IPR) & Patents

Year	IPR / Patent Title	Published / Granted
2023	METHOD OF ENABLING A FRAMEWORK FOR PRECLINICALEVALUATION OF DRUGS ACTING ON ADJUSTMENT WITHREPRODUCTION	Published
2024	METHODS OF INVESTIGATING EFFECT OF MEMORY ENHANCER DRUG ON LEARNING AND MEMORY ACQUISITION	Published

*IPR includes copyrights, trademarks, patents, industrial design rights and trade secrets.

Sponsored Research Details

Financial Year	Project Title	Funding Agency	Amount Received
Nil	Nil	Nil	Nil

*Required by NIRF

Consultancy Project Details

Financial Year (FY)	Project Title	Client Organization	Amount Received
Nil	Nil	Nil	Nil

*Required by NIRF

Member of Professional Bodies

NA

Blogs written/maintained

NA

Massive Open Online Course (MOOC) completed

Year	Title of the course	Duration	Mooc	Status
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			Platform	(Certified / Not certified)
NA	NA	NA	NA	NA