



URMISTHA SARKAR

M.Pharm (Pharmacology).

Assistant Professor

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Areas of Interest / Research Interest

Passionately I have interest in preliminary phytochemical studies of different herbal plant extracts and preclinical screening of different diseases such as ulcer, CNS related diseases, hematological disorders etc using those extracts after effectively calculating the dosing.

Publications in National and International Journals and Periodicals

1. Dey S, Saha K, **Sarkar U**, Pramanick K, Manna S, Koley R, Manna S, Roy P. Evaluation of the Anthelmintic Potential of *Pongamia pinnata* Root Hydroalcoholic Extract against *Tubifex tubifex*. Asian J Biol Life Sci. 2025;14(3):598-602.
2. Mukherjee M, Pramanick K, Bhattacharjee P, Mitra S, **Sarkar U**, Saha K, Majumdar M, Roy S, Sardar P, Bhunia I, Manna M, Mondal M. Pharmacological exposure of the anthelmintic properties of *Ananas comosus* leaves' hydroalcoholic extract on *Tubifex tubifex*. International Journal of Biology, Pharmacy and Allied Sciences. 2025;14(4): 378-385.
3. **Sarkar U**, Manna S, Roy P, Saha K, Pramanik K, Dey S. Evaluation of Membrane Stabilising Activity of *Moringa oleifera* Flower Extract on Erythrocytes of *Gallus gallus*. Indian Journal of Natural Sciences. 2025 Feb; 15(88): 87906-87911.

4. Bagchi A, Raha A, Mukherjee P, Pal M, **Sarkar U**, Dutta K. In vitro and In silico Study of the Plant Extract of *Putranjiva roxburghii* Wall with the Evaluation of its Antibacterial and Antioxidant Properties. Indian Journal of Natural Sciences. 2023 Dec; 14(81): 66618-66626.
5. Pramanick K, Mukherjee M, Bhattacharya P, Saha K, **Sarkar U**. Evaluation of hydroalcoholic extract of *Vitex negundo* leaves for its anthelmintic activity on *Tubifex tubifex*. Journal of Drug Delivery and Therapeutics. 2023 Oct 15;13(10):67-70.
6. Joshi DC, Naskar A, Datta K, **Sarkar U**, Otia MK, Khatoon T. Rheumatoid Arthritides: Etiology Pathophysiology and Modern Treatments. International Journal for Research in Applied Sciences and Biotechnology. 2022 May 15;9(3):32-9.
7. Roy P, Pramanick K, Das A, Majumdar M, Roy A, **Sarkar U**. Review of Some Herbal Agents Having Antiviral Activity. International Journal of Current Science Research and Review. 2022;5(3):695-706.
8. **Sarkar U**, Si A, Mrityunjy M, Saha S, Saha SK. Preclinical Evaluation of Hydro-Alcoholic Extract of *Tinospora cordifolia* Leaves on Thrombocytopenic Wistar Rats. J. Pharm. Sci. & Res. Vol. 13(8), 2021, 469-473.
9. Saha S, **Sarkar U**, Si A, Majumdar M, Baisya O, Mandal D. Preclinical Evaluation of Thrombocytopenic Activity of Hydroalcoholic Extract of *Brassica oleracea*. J. Pharm. Sci. & Res. Vol. 13(8), 2021, 432-437.
10. **Sarkar U**, Saha A, Majumdar M. Antiulcer activity of Hydroalcoholic Extract of *Piper betle* Leaf on Experimental Animals. Asian Journal of Pharmaceutical and clinical research. Vol 12 Issue 7 2019
11. **Sarkar U**, Raha A, Mukherjee P, Paul M, Bagchi A. Development and evaluation of Metronidazole containing topical gel using different gelling agents. Asian Journal of Pharmacy and Pharmacology. 2018;4(6):785-9.

Paper(s) presented in Seminars / Conferences / Symposia

1. M Mondal, **U Sarkar**, S Paul, K Saha, K Pamanick. ANTIUROLITHIASIS ACTIVITY OF HYDROALCOHOLIC EXTRACT FROM CANE ROOT: AN IN VITRO STUDY. PP/APTICON-WB-2026/46. West Bengal APTICON 2026, 21st February 2026, Jadavpur University.
2. PK Harijan, **U Sarkar**, S Karar, M Manna, K Saha, K Pramanick. PHYTOPHARMACOLOGICAL EVALUATION OF ANTICOAGULANT PROPERTIES OF STEM AND FLOWER EXTRACTS OF IXORA COCCINEA. PP/APTICON-WB-2026/106. West Bengal APTICON 2026, 21st February 2026, Jadavpur University.
3. S Dalal, S Pramanik, A Roy, B Saha, K Saha, **U Sarkar**, K Pramanick. PRECLINICAL EVALUATION OF HYDROALCOHOLIC STEM EXTRACT OF IPOMOEA AQUATICA FOR ANXIOLYTIC ACTIVITY IN ALBINO WISTAR RAT. PP/APTICON-WB-2026/120. West Bengal APTICON 2026, 21st February 2026, Jadavpur University.
4. SR Mondal, S Mondal, **U Sarkar**, P Saha, D Karmakar, K Saha, K Pramanick.

PHARMACOLOGICAL SCREENING OF HYDROALCOHOLIC EXTRACT OF BAMBUSA VULGARIS ROOT FOR MEMBRANE STABILIZING ACTIVITY IN AN IN VITRO HAEMOLYSIS MODEL. PP/APTICON-WB-2026/121. West Bengal APTICON 2026, 21st February 2026, Jadavpur University.

5. P Barman, S Mandal, K Pramanick, **U Sarkar**, K Saha. Brain Gate Technology. GIPCON-P-136/25. 1st International Conference, 6th-7th March 2025, Global College of Pharmaceutical Technology.
6. A Pandit, M Mondal, **U Sarkar**, K Saha, K Pramanik. Evaluation of Membrane Stabilising Activity of *Moringa oleifera* Flower Extract on Erythrocytes of *Gallus gallus*. OS/iCoN-ECPT-2025/08. 2nd International Conference, 27th-28th February 2025, Eminent College of Pharmaceutical Technology,

Books/Book Chapter(s) written

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

Number of PG Projects guiding/guided

Guided: NA

Number of UG Projects guiding/guided

Guided: 23 nos

Number of Ph.D. Projects guiding/guided

Guided: NA

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
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	NIL	
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*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

Faculty Development Programme (FDP)

1. One Week Faculty Development Programme (FDP) on Recent Developments in Pharmaceutical Research on Optimization, Pharmacokinetics and Biotechnology, organized by Netaji Subhas Chandra Bose Institute of Pharmacy (NSCBIP) in coordination with Association of Pharmaceutical Teachers of India (APTI) West Bengal Branch, from 16th to 22nd August, 2025.
2. One Week e-Faculty Development Programme (e-FDP) on Research and Patenting in Pharmacy - A Recent Update, organized by Netaji Subhas Chandra Bose Institute of Pharmacy (NSCBIP) in coordination with Association of Pharmaceutical Teachers of India (APTI) West Bengal Branch, from 17th to 23rd August, 2024.
3. e-Faculty Development Programme (e-FDP) on Educational Methodology and Recent Advancement in Pharmacy, organized by Netaji Subhas Chandra Bose Institute of Pharmacy in collaboration with Association of Pharmaceutical Teachers of India (APTI), West Bengal Branch from 15 to 17 October 2023.
4. e-Faculty Development Programme (e-FDP) on Teaching Learning Process and Recent Advancement in Pharmacy, organized by Netaji Subhas Chandra Bose Institute of

Pharmacy (NSCBIP) in association with Association of Pharmaceutical Teachers of India (APTI) West Bengal Branch from 26 to 28 August 2022.

Massive Open Online Course (Mooc) completed

Year	Title of the course	Duration	Mooc Platform	Status (Certified / Not certified)
2023	Research in Technical Education	8 Weeks	SWAYAM	Not certified
2023	Genetic Engineering and Its Recent Advancement	12 Weeks	SWAYAM	Not certified