

FACULTY PROFILE



Name: Mr. Kishor Kumar Roy

Designation: Assistant Professor

Email: kishorr@srmist.edu.in

Professional Qualification:

- Ph.D*
- M.Pharm (Pharmacology)

Journal Publication:

1. Chakraborty W, Anand A, **Roy KK**. Silent action of dopamine receptor antagonist in synaptic remodelling: Molecular basis of tardive dyskinesia due to chronic antipsychotic exposure. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 2026 Jul 17:111846.
2. **Roy KK**, Mehta DK, Das R. Pregnancy and Alzheimer's disease: Understanding maternal and neonatal neurological risks. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 2026 Jun 26:111808.
3. Saini A, Mehta M, Mehta DK, Sharma V, **Roy K**, Das R. The silent side effect of metformin: understanding Vitamin B12 deficiency in Type 2 Diabetes. *Acta Diabetologica*. 2026 Apr 10:1-25.
4. **Roy KK**, Mehta DK, Das R. Unrevealing possible mechanism of Riluzole, Salsalate and Nimodipine in Alzheimer's disease: multi-target network pharmacological perspective. *Inflammopharmacology*. 2026 Mar 17:1-7.
5. **Roy KK**, Kumari R, Upadhyay AK, Mohanty S. Tailoring treatments: pharmacogenomics in the management of neurodegenerative diseases. *Acta Neurologica Belgica*. 2026 Feb 10:1-32.
6. Saini A, Mehta M, Mehta DK, **Roy KK**, Das R. Exploring correlations of CA19-9 with serum enzyme ratios: can layered biomarker strategies enhance prognostic accuracy in pancreatic cancer?. *Clin Transl Oncol*. Published online January 23, 2026.
7. Saha D, Velmurugan V, **Roy KK**, Solomon VR. Current Understanding of Biomarkers for Pre-clinical Diagnosis of Alzheimer's Disease and its Approaches. *Current Drug Research Reviews*. In Press. Available online September 24, 2025
8. Khawas S, Ghosh S, Kanjilal R, Modak K, Nandi M, Chakraborty W, **Roy KK**. Formulation of Lycopene Based Emulgel from Watermelon and Evaluation of Anti-inflammatory Activity on Wister Rats. *Research Journal Pharmacy and Technology*. 2025;18(8):3824-8.

9. **Roy KK**, Mehta DK, & Das, R., Reevaluating Alzheimer's disease treatment: Can phytochemicals bridge the therapeutic Gap?. *Neuroscience*, 2025; 575, 1–18.
10. Modak K, Kumar P, Nandi M, Bhardwaj A, Kumari R, Upadhyay AK, **Roy KK**., Drug Delivery Methods Based on Nanotechnology for the Therapeutic Management of Alzheimer's Disease, *Afr. J. Bio. Sc.*; Vol 6; issue 10; 2024; 7114-7132.
11. Das S, Ghosh A, Karmakar V, Khawas S, Vatsha P, **Roy KK**, Behera PC. Cannabis effectiveness on immunologic potency of pulmonary contagion; *Journal of Basic and Clinical Physiology and Pharmacology*, vol. 35, no. 3, 2024, pp. 129-142.
12. Mollah MKI, Debnath B, Das S, **Roy KK**., Evaluation of Anti-abortion Activity from Methanolic Extract of *Withania somnifera* in Misoprostol Induced Female Wistar Rats; *Eur. Chem. Bull.* 2023; 12 (Special Issue 7); 5930– 5937.
13. **Roy KK**, Shil D, Rasamallah M, Reja MM, Saha S, Maji RK., Medicinal plants use as an anti-inflammatory agent: a brief review on molecular pharmacological approach., *Journal of Applied Pharmaceutical Research*, Vol 10; issue 4;2022; 38-45.
14. **Roy KK**, Mollah MKI, Reja MM, Shil D, Maji RK., Evaluation of analgesic and anti-inflammatory activity of ethanolic extract of *Enhydra fluctuans* on male wistar rats., *Journal of Applied Pharmaceutical Research*, Vol 9; issue 1;2021; 37-42.
15. Mondal NI, Mollah MKI, **Roy KK**., Anti-inflammatory activity of ethanolic leaves extract of *Nyctanthes arbor-tristis* on wistar rats., *International Research Journal of Modernization in Engineering Technology and Science.*, Vol 3; issue 6; 2021; 283-287.
16. **Roy KK**, Majhi N, Mollah MKI, Maji RK., Evaluation of anti-diabetic activity of ethanolic extract of the bark of *Ficus bengelensis* on alloxan induced diabetic rats., *International Research Journal of Modernization in Engineering Technology and Science.*, Vol 3; issue 6; 2021, 253-256.
17. **Roy KK**, Reja MM, Shil D, Chakraborty J, Mollah MKI., Anti-microbial potential of hydro alcoholic extract of *Lagerstroemia speciosa*., *Indian Research Journal of Pharmacy and Science.*, 8 (2); 2021; 2527- 2531.
18. **Roy KK**, Maji RK, Mollah MKI, Majhi N., Evaluation of Wound Healing Activity of Latex of *Calotropis gigantea* on Male Wistar Rats., *International Advanced Research Journal in Science, Engineering and Technology.*, Vol 8; issue 4; 2021; 352-355.
19. Sen S, Acharjee S, Mondal NI, **Roy KK**., A recent review on etiology and management of COVID- 19 Pandemic., *International Research Journal of Modernization in Engineering Technology and Science.*, Vol 3; issue 6; 2021; 3405-3415.
20. **Roy KK**, Mollah MKI, Saha D., In Vitro Evaluation of Anthelmintic Activity of Ethanolic Extract of Leaves of *Enhydra fluctuans*., *Quest Journal of Research in Pharmaceutical Science.*, Vol 7; issue 5; 2021; 21-23.
21. **Roy KK**, Mollah MKI., Natural flavonoids: therapeutic potential on diabetic dependent peripheral neuropathic pain., *International Research Journal of Modernization in Engineering Technology and Science.*, Vol 3; issue 5; 2021; 1467-1472.
22. Maity A, Mollah MKI, Sau A, **Roy KK**., Evaluation of anti-diabetic potential of ethanolic extract of *Benincasa hispida* in alloxan induced diabetic rats., *International Advanced Research Journal in Science, Engineering and Technology.*, Vol 8; issue 5; 2021; 550-555.
23. Rahaman SR, Rakaman SA, Mollah MKI, **Roy KK**, Skeletal muscle relaxation activity of the ethanolic extract of turmeric on wistar rats., *International Advanced Research Journal in Science, Engineering and Technology.*, Vol 8; issue 5; 2021; 532-536.

24. Maji RK, Maiti S, Pal S, **Roy KK**, Majhi N., Formulation and evaluation of herbal cream of the flowers of *Calendula officinalis* with anti-bacterial activity., International Advanced Research Journal in Science, Engineering and Technology., Vol 8; issue 5; 2021; 401-404.
25. Maji RK, Maiti S, **Roy KK**, Roy P, Pal S., West Nile fever: management and control., Journal of Emerging Technologies and Innovative Research., Vol 8; issue 5; e159-e162.

Book Chapter Publication:

1. **Roy KK**, Mangal S, Karak A, Acharya A. Physical and Mechanical Properties of Porphyrin Composite Materials. Porphyrin-Based Composites: Materials and Applications. 2025 Jun 10:19. Chapter No. 2. ISBN: 9781394214389. Publisher: Scrivener Publishing LLC (John Wiley & Sons).
2. **Roy KK**, Mangal S, Acharya A. Influence of Herbal Supplements on Phenylketonuria. Bioactives in Nutritional and Metabolic Disorders. 2025 May 28. Chapter No. 8. ISBN: ISBN: 978-1-0364-4544-7 ISBN (Ebook): 978-1-0364-4545-4. Publisher: Cambridge Scholars Publishing.
3. Taro (*Colocasia esculenta*): An Esculent herb; Recent Progress of Medicinal Plant; Volume 2; Chapter No 7; Sunmarg Publishers & Distributors (Government Suppliers); ISBN NO: 9788119997572.

Intellectual Property Rights:

1. Soxhlation and Distillation Apparatus-Registered Industrial Design (Design No. 470327-001, Class 24-02), The Patent Office, Government of India.

Seminars/ Webinars Participated:

- ❖ Attended as an **Invited Speakers** at 8th Hunan International Conference for Innovation and Development of Biomedicine and Chinese Medicine (BioCM-8) & the 5th International Conference on Natural products and Human Health (ICNPHH-5) at Hunan University of Chinese Medicine, Hunan, China on 23th October to 27th October, 2025.
- ❖ Attended a national conference on “APTICON 2024 Beyond the Counter: Transforming Pharmacy Education for Industry and Patient Impact” held at Utkal University, Bhubaneswar on 27th & 28th September 2024.
- ❖ Attended a national conference on “Healthcare: A Global Transformation from Traditional to Modern Era” organized by Bharat Technology on 12th & 13th October 2023.
- ❖ Attended a national Seminar on “Emerging trends and innovations in Biological and Pharmaceutical Sciences” on 25th March 2023 organized by Department of Pharmaceutical Sciences, Jharkhand Rai University, Ranchi, Jharkhand.
- ❖ Attended a national seminar on “Pharmacy and Healthcare: Traditional Knowledge to Modern Techniques” organized by Jadavpur University, Kolkata on 14th September 2018.
- ❖ Attended APP 13th INDO-MALAYASIAN Conference in CPS Puri, Held on 11th November 2019.
- ❖ Attended an Online WEBINER on “Innate Immunity to Respiratory Invasions” Organized by Department of Pharmaceutical Technology, Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal on 9th May 2020.

- ❖ Attended an Online INTERNATIONAL WEBINER on “Application of Artificial Intelligence on Geo-Spatial Data: A Pandemic View from Space” Organized by Department of Information Technology, Maulana Abul Kalam Azad University of Technology (MAKAUT), West Bengal, on 30th May 2020.
- ❖ Attended a National Webinar on “Role of Pharmacist in Pandemic Management” Organized by Mata Gujri College of Pharmacy, Kishanganj on 22th May 2021.

Faulty Development Programme (FDP) Participated:

1. Attended FDP Entitled “Innovation in Pharmacy Education and Application of AI: Enhancing Teaching-Learning Practices” Organized by ISF College of Pharmacy (An Autonomous College), Moga on 23rd to 28th June 2025.
2. Attended FDP Entitled “Pharmaceutical Education on the Digital Edge: Integrating Technology in Teaching and Research” Organized by Bharat Technology, Uluberia, Howrah on 27th to 31st August 2024.

Achievement:

- ❖ Qualified GATE XL 2022, Conducted by IIT Kharagpur.
- ❖ Completed Course on ‘Good Clinical Practice’ Conducted by National Institute on Drug Abuse (NIDA).
- ❖ Completed Course on ‘Principles of Clinical Pharmacology 2024-2025’ Conducted by National Institute of Health (NIH).
- ❖ Completed Course on ‘Introduction to the Principles and Practice of Clinical Research 2024-2025’ Conducted by National Institute of Health (NIH).

Professional Member:

- ❖ Registered Pharmacist of West Bengal Pharmacy Council, Ground, Purta Bhawan, Sec-1, West Division, Room No.5 & 6, Kolkata, West Bengal.
- ❖ Member of The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART).

Work Experience: 2 Year