



PRIYANKA BANERJEE

Specialization: M.Pharm
(Master's in Pharmacology),
Gold medalist.

Pursuing Ph.D in Pharmacy
(School of Health and Medical
Sciences, Adamas University)

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Brief Overview:

Priyanka is a dedicated full-time Assistant Professor at Adamas University with approximately four years of experience and expects an opportunity for continuous growth in the field of Pharmaceutical Sciences and Technology. She always had a flair for utilizing her teaching and research skills to support the Department. In her years of experience, she has not only provided academic support, but has simultaneously handled with expertise the administrative and endorsements profounds. She has been closely associated as a Nodal admission officer that has created a definite boost for her.

Priyanka has successfully completed two industrial projects, as a principal investigator on different contagious diseases and determined the safety, efficacy, toxicity study and adverse effects in collaboration with Suguna Foods Pvt., Ltd. She has published research/review articles and book chapters in reputed journals of origin and has more articles in queue. She has even written different genres of articles and even continued to publish blogs in the University. She possesses *in-vivo* skills and *in-vitro* studies knowledge in the drug compliance.

She shows a keen interest in the field of Neuroscience, toxicity and safety evaluation, formulations development, drug delivery, drug targeting and ADME, neuropathy, psychomotor activity and pain management. She has knowledge about cell culture, stem cell therapy, testing of antibiotics sensitivity and recapitulation theory designing models, isolation of DNA and RNA, Western blotting, Gel electrophoresis, ELISA, streak stab method, microbial inhibitory tests, receptor inhibitory tests, *in-vitro* cytotoxicity tests, parameters determination like Super-oxide dismutase, Catalase, Hydrogen peroxide, Glutathione, Nitric oxide, immuno-modulatory activity determination via Hemagglutination assay titer and Phagocytic index, TLC and Flame photometry. She possesses experimental and *in-vivo* skills in handling and restraining various lab animals, different routes drug administration, blood withdrawal and sampling techniques, blood processing, tissue processing, estimation of serum and tissue bio- markers, UV spectro-photometry, performing various bio-assays and determination of statistical analysis, estimation of ECG using Power Lab apparatus and handling of various instruments like colorimeter, homogenizer, micro-centrifuge and semi-auto-analyzer. She is a good orator and has organized many institutional events and delivered oral presentations, lectures, and talks.

Priyanka thinks that her proficiency can help her now to explore the area of research from a reputed organization. She wishes to deliver the personalized knowledge and experience that the role particularly requires and demands as far as today's organizations anticipate the trends with the various regulatory changes, which can sustainably elate the evidence-based outcomes.

Industrial exposures/collaborations:

Projects Undertaken:

- Title: Evaluation of neuro-protective potential of *Foeniculum vulgare* extract in rat model of Parkinson's disease, in collaboration with NIMHANS, Bangalore. Research lab:** Pharmacology Department of PES college of Pharmacy.
Role: Research Investigator.
Scope: To test whether the medicinal plant has the claimed pharmacological activity to attenuate the chemically induced Parkinsonism in rats.
- Title: Studies on anti-microbial activity and preliminary phyto-chemical investigation of Micro'Free- polyherbal formulation in mice intestine.**
Industry: Suguna Foods Pvt Ltd. Coimbatore.
Research lab: Pharmacology Department of PES college of Pharmacy.
Role: Research Investigator.
Scope: To see whether the polyherbal formulation can prevent/control the microbial attack in mice.
- Title: Effects of Zero'Purin in potassium oxonate induced gouty arthritis in rats.**
Industry: Suguna Foods Pvt Ltd. Coimbatore.
Research lab: Pharmacology Department of PES college of Pharmacy.
Role: Research Investigator.
Scope: To see whether the test drug has effect on potassium oxonate induced gouty arthritis.

Education:

Qualifications:	Year:	College/School:	Board:	Marks Obtained:
Masters' in Pharmacy	2017-2019	PES College of Pharmacy, Bengaluru	RGUHS	85%
Bachelor's of Pharmacy	2013-2017	Gupta College of Technological Sciences, West-Bengal	MAKAUT (Formerly known as WBUT)	8.97
10+2	2013	Loreto Convent, Asansol, West-Bengal	ISC	61.2%
10	2011	Assembly of God Church School, West-Bengal	ICSE	78.57%

Work experiences:

Teaching Experience: 5 YEARS 9 MONTHS ongoing as a Full Time Assistant Professor, in the Department of Pharmaceutical Technology, School of Health and Medical Sciences, Adamas University, Kolkata, West Bengal.

Key job roles:

In her present job role, she:

- ❖ Serves to design and analyze the assessment process to increase the student performances,
- ❖ Assist in developing and revising modules,
- ❖ Engage in collaborative works for sustainability. She has overseen departmental committees that has played a significant role in accreditation of the University.

Admission nodal officer: 3 years, ongoing in the School of Health and Medical Sciences, Adamas University, West Bengal.

Key job roles:

- ❖ Fulfilled the university criteria of admitting 100% student strength,
- ❖ Counselling students near about 500+ in the previous academic session and ongoing,
- ❖ Mentoring, assisting, monitoring, coordinating, advising and supervising the students, throughout the academic session,
- ❖ Organizing engagement plans for the students and performing career counselling and guiding them by delivering soft skills.

Symposium: (Awards and Achievements):

- Highest scorer and twice silver medal holder of Master's in Pharmacy in the institution for 2019, with 86%.
- Gold medalist for securing 8th University rank holder in Pharmacology department (2nd Semester) in RGUHS, (2018), in Post-graduation.
- 2nd highest scorer (2017), in the institution during Under-graduation.
- Secured second rank for Essay Competition organized by Eastern Coalfields Limited in Vigilance department, 2016.
- Best Paper Award was conferred upon for Oral presentation of the paper titled "Role of pre and post-maternal stress during pregnancy on fetal programming", organized by Gupta College of Technological Sciences, West-Bengal, in the year 2017.
- Resource person on one-day workshop on "Techniques in animal handling, routes of drug administration and blood withdrawal techniques", organized by PES College of Pharmacy, Bengaluru, in the year 2017.
- Oral Presentation in National Conference, on "Advances in pharmaceutical technology and regulatory issues", organized by Gupta College of Technological Sciences, West-Bengal, in the year 2017.
- Participated in Annual Convention on "Stem cell therapy", organized by International Society for gene and Cell Therapy, in the year 2017.
- Participated in "Industry academia meet cum exhibition on waste management", organized by Adamas University, in the year 2020.

- Was an organizing and scientific committee member for a one day second National Seminar on "Drug industry and academia summit -2020 and beyond", organized by Adamas University, in the year 2020.
- Participated in an International Conference on "Responsible investment in Nigeria hosted by ADCO, council for sustainable peace and development, India", organized by God-phraim Integrated Services, Nigeria, in association with Africa Global Finance and Accounts Summit and SACCI, in the year 2020.
- Participated in "Clinical Investigation Techniques of Gastrointestinal Disorders", organized by Adamas university, in the year 2020.
- Participated in a webinar on "Drug regulatory and recent advancement on drug development", organized by AGILENT, in the year 2020.
- Participated and received an e-certificate in a webinar on "Safety profile of Herbal medicines: Monitoring through Pharmacovigilance", organized by Adamas University, Kolkata, in the year 2020.
- Invited Speaker for the webinar on "Recent Trends of Pharmaceutical Sciences and Career Building Prospects on Pharmacy for Future Aspirants and various Psychological Modules Manifestations to deal with COVID-19", organized in association with GTBPS, Durgapur, for Class-XII students in 2020.
- Organized Transforming Ripples in Healthcare Research: Obstacles, sustenance & cutting-edge innovations (ICTRHR-2022), Kolkata, in the year 2022.
- NIDA CLINICAL TRIALS NETWORK issued Good Clinical Practice certification.

Publications:

1. Priyanka Banerjee, Subhasis Banerjee. In silico Design of some novel perfusion RSV F glycoprotein inhibitors. Journal of Innovation in Pharmaceutical Sciences. 2017; 1(2): 49-54.
2. Saptarshi Sanyal, Sk. Abdul Amin, Priyanka Banerjee, Shovanlal Gayen, Tarun Jha. A review of MMP-2 structures and binding mode analysis of its inhibitors to strategize structure-based drug design. Bioorganic and Medicinal Chemistry. 2022;74: 117044.
3. Subrat Kumar Bhattamisra, Priyanka Banerjee, Pratibha Gupta, Jayashree Mayuren, Susmita Patra, Mayuren Candasamy. Artificial Intelligence in Pharmaceutical and Healthcare Research. Big Data Cogn. Comput. MDPI. 2023; 7(10).
4. Chellappan, D. K., Chellian, J., Rahmah, N. S. N., Gan, W. J., Banerjee, P., Sanyal, S., Banerjee, P., Ghosh, N., Guith, T., Das, A., Gupta, G., Singh, S. K., Dua, K., Kunnath, A. P., Norhashim, N. A., Ong, K. H., & Palaniveloo, K. Hypoglycaemic Molecules for the Management of Diabetes Mellitus from Marine Sources. Diabetis, Metabolic Syndrome and Obesity. 2023;16: 2187-223.

5. Priyanka Banerjee, Saptarshi Sanyal. Disease models in malaria research. Infectious diseases-Drug Delivery System, Viral Infections and Drug Delivery Systems, 2021;4:169-92.
6. Priyanka Banerjee, Saptarshi Sanyal. Omicron: Mystery, history, and impact on existence. Viral, Parasitic, Bacterial, and Fungal Infections: Antimicrobial, Host Defense, and Therapeutic Strategies. 2022;323-26.
7. Saptarshi Sanyal, Priyanka Banerjee. Implementation of in-silico drug design to find natural product-based-sars-cov-2 spike protein inhibitor. Natural Medicine, New Avenues in Drug Discovery and Bioactive Natural Products.2023;2:170-86.
8. Banerjee P, Sanyal S, Sen A. Neuroinflammation: Role of adhesion molecules and signaling networks in neurovascular systems. In A Review on Diverse Neurological Disorders 2024 Jan 1 (pp. 411-415). Academic Press.
9. Banerjee P, Sen A, Sanyal S. The Ethical Responsibility and Reasoning for Using AI in Big Data. In Ethical Issues in AI for Bioinformatics and Chemoinformatics 2023 Nov 14 (pp. 39-46). CRC Press.

Extra-curricular activities: Blog and Content writer, orator, singer.

Linguistic Proficiency:

- English (Can write and speak).
- Bengali (Can write and speak).
- Hindi (Can speak).

Knowledge Purview: IT skills:

- Basic computer skills and efficient in technical manifestations like MS TEAMS, ZOOM and GOOGLE MEET.
- MS Office-Word, MS Office-Power-point, MS Office-Excel, efficiency in programming languages like JAVA, C++ and has a moderate knowledge on R programming language.
- Statistical analysis using Graph pad prism 5 Software.

Personal Details:

Name: Priyanka Banerjee.

Gender: Female.

Marital status: Married.

Date of Birth: 09/02/1995.