

CURRICULUM VITAE



Priyanka Banerjee

Specialization: M.Pharm (Pharmacology), Gold Medalist.

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Brief Overview: (Research areas of interest and concern):

- ❖ Successfully completed various industrial project/research work on different diseases and efficacy of new investigational poly-herbal formulations on the same.
- ❖ Shows a keen interest in the research fields of Neuroscience, formulations, drug delivery and drug targeting and ADME of neuro-degenerative drugs, neuropathic drugs, psychomotor activity and pain management.
- ❖ Possess experimental skills in handling and restraining various lab animals, different routes of drug administration, blood withdrawal and sampling techniques, blood processing, tissue processing, estimation of serum and tissue bio-markers, isolation of DNA and RNA, Gel electrophoresis, UV spectro-photometry, performing various bio-assays using Power Lab apparatus, estimation of ECG using Power Lab apparatus and handling of various instruments like colorimeter, homogenizer, micro-centrifuge and semi-auto-analyzer.
- ❖ A quick learner, versatile with inert positive attitude and is interested in producing the work in team environment .
- ❖ Good communication and linguistic skills, managerial skills, ability to coordinate in a professional environment for the benefit of the team and personal growth.
- ❖ **Teaching Experience: 1 year, 4 days as a Full Time Assistant Professor, Department of Pharmacology, in the School of Pharmaceutical Technology, Adamas University, Kolkata.**

Education:

| Qualifications: | Year: | College/School: | Board: | Marks Obtained: |
|----------------------------|--------------|--------------------------|---------------|------------------------|
| Masters in Pharmacy | 2017-2019 | PES College of Pharmacy, | RGUHS | 86% |

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|-----------------------------|-----------|--|---------------------------------|--------|
| | | Bengaluru-50 | | |
| Bachelor in Pharmacy | 2013-2017 | Gupta College of Technological Sciences,Asansol,West-Bengal-04 | 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,Asansol,West-Bengal | ICSE | 78.57% |

Training:

1. Industrial training:

Organization: Caplet India Private Limited.

Duration: 15 days (2016).

Role: Trainee.

Skills learnt: (Tablets preparation, Capsule, Syrup preparation, Ointment manufacturing), QC, QA.

2. Hospital training:

Organization: Steel Authority of India Ltd., Burnpur hospital (IISCO Steel Plant).

Duration: 15 days (2016).

Role: Practical trainee.

Skills learnt: Handling of various medicines according to the generic names and brand names, OPD.

Symposium : (Awards and Achievements):

- Highest scorer and twice distinction silver medal holder of Master's in Pharmacy in the institution for 2019, with 86%.
- Gold medalist for the highest scorer of Master is in Pharmacy for (2017-2019) batch.
- 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, 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, 2017.
- Attended National Seminar on “Strategies to combat diseases threatening the nation’s health”, organized by Gupta College of Technological Sciences, West-Bengal, 2013.
- Attended National Conference on “Complex diseases, novel therapeutics and delivery challenges”, organized by Gupta College of Technological Sciences, West-Bengal, 2014.
- Presented poster in National Conference on “Recent challenges in pharmacy education, research and management”, organized by SPET and Department of Pharmacy, Mehr Chand Polytechnic College, Jalandhar, Punjab, 2015.
- Presented poster in one-day National Seminar on “Pharmaceutical Profession and Research in India”, organized by Bengal College of Pharmaceutical Sciences and Research, Durgapur, 2015.
- Presented poster in one-day National Conference on “Pharma innovations and regulatory considerations”, organized by Gupta college of Technological Sciences, West-Bengal, 2016.
- Participant in Quiz and Extempore on 55th National Pharmacy Week, organized by NSHM College of Pharmaceutical Technology, West-Bengal, 2016.
- Oral Presentation in National Conference, on “Advances in pharmaceutical technology and regulatory issues”, organized by Gupta College of Technological Sciences, West-Bengal, 2017.
- Participated in one-day Seminar on “Analytical and molecular techniques in the drug discovery process”, organized by JSS College of Pharmacy, Mysuru, 2017.
- Participated in Annual Convention on “Stem cell therapy”, organized by International Society for gene and Cell Therapy”, 2017.
- Attended two-days National Seminar and presented poster on “Current trends in bio-availability and bio-equivalence studies”, organized by JSS College of Pharmacy, Mysuru, 2017.
- Attended one-day Workshop cum hands on training on “Basic techniques in pharmacology experiments”, organized by PES College of Pharmacy, Bangalore, 2018.
- Participated in one-day seminar on “Awareness on Intellectual Property Rights”, organized by PES University, Bengaluru, 2018.
- Attended one-day National Workshop on “Medical Communications”, organized by Krupanidhi College of Pharmacy, Bangalore, 2019.
- Attended Seminar on “Statistical Programming in Clinical Trials”, organized by PES College of Pharmacy, Bengaluru, 2019.

- Attended lecture on "Aspirin – usage and role in treating heart disease", organized by Adamas University in collaboration with Ashim Kumar Datta Roy, in the year 2019.
- Attended two days "Career workshop" organized by Tamaghna Chattopadhy in collaboration with Adamas University, in the year 2019.
- Attended lecture series on "Strategies for Bioavailability improvement of orally administered poorly soluble drugs", organized by Adamas University in collaboration with Dr.Bappaditya Chatterjee, in the year 2019.
- Was an "External" twice, in JIS University, in the year 2019-2020 and 2020-2021.
- 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.
- Participants and received a certificate in "The AI health care" webinar, organized by Springer Nature, in the year 2020.
- Participated in a webinar on "Impact of COVID 19 pandemic in pharmaceutical industry", organized by Adamas University, in the year 2020.
- Participated in the webinar "Bacterial resistance to antibiotics", organized by AU, in the year 2020.
- Was a participant in the webinar on "Effective RNA extraction on COVID-19 testing", in the year 2020.
- Participated in the webinar on "UV Visible spectroscopy and its pharmaceutical applications", organized by AU, in the year 2020.
- Participated in the webinar on "Challenge or an opportunity? - Distance learning in the age of social distancing", in the year 2020.
- Participated and received an e-certificate from a webinar on "Getting job ready for post COVID era", organized by McGraw Hill, in the year 2020.
- Participated in #Livenext@2020 webinar series by Samit Ray Foundation on "Reinventing life and working", the year 2020.
- Participated on Saturday refelexions, on "Impact of COVID-19 on pharmaceutical sector", in the year 2020.
- Participated in a webinar on "Creativity vs. corona - how innovative mines enlist to save humanity?", organized by Max Institute of Health Care Management, in the year 2020.
- Participated and received an e-certificate on "The economics of the pandemic", organized by McGraw Hill, in the year 2020.

- Participated in a webinar on "How to prepare for NTSE?", organized by McGraw Hill, in the year 2020
- Participated in a webinar on "Overview and opportunities in the field of LC-MS/MS-based bioanalysis organized by Manosarobar Global University, in the year 2020.
- Participated and received an e-certificate on two days National Seminar on "Pharmaceutical products management", organized by Gupta College of Technological Sciences, in the year 2020.
- Participated and received an e-certificate in a six days Faculty Development Program, on "e-learning and development in the digital era", organized by Adamas University, in the year 2020.
- Participated and received an e-certificate in the webinar on "Steps toward life : Chemistry", organized by Adamas University with collaboration with Professor Jene Marie Lehn, in the year 2020.
- Participated and received an e-certificate on "VC's round table-Higher education beyond COVID-19", organized by AU in collaboration with ABP Education, in the year 2020.
- Participated and received an e-certificate on "Dissecting Pharm D internship during COVID-19 pandemic", organized by JSS college of Mysore, in the year 2020.
- Participated in #Livenext@2020 webinar series on "Reinventing live and work brought to you, organized by Samit Ray Foundation", in the year 2020.
- Participated in a webinar on "Reimaging Ethno-Pharmacology", in the year 2020.
- Participated and received an e-certificate from a webinar on "Media educator round Table", organized by AU with collaboration with ABP Education, in the year 2020.
- Participated and received an e-certificate on an International webinar on "Drug discovery: New lead from the old drugs", organized by Ramaiya College of Pharmacy, in the year 2020.
- Participated in #Livenext@2020 in a webinar series on "Reviving small business MSMES Post Covid", organized by Samit Ray Foundation, in the year 2020.
- Participated in a webinar on "Role of marketing in times of pandemic", organized by McGraw Hill, in the year 2020.
- Participated in a webinar on "Future of education post Covid", in the year 2020.
- Participated in a webinar on "Post Covid Recruitment: Climate, IT and Technology sector", in the year 2020.
- Participated in a webinar on "Drug regulatory and recent advancement on drug development", organized by Adamas University, in the year 2020.
- Participated in a webinar on "Management protocol of Covid-19 government of west Bengal", in the year 2020.

- Participated in a webinar on "Pharmacology treatments of Covid-19: Current trends and future avenues", organized by Roland Institute of Pharmaceutical Sciences, in the year 2020.
- Participated and received an e-certificate in "Colloquium 2020", a three days Internationale-conference, organized by JIS University, in the year 2020.
- Participated and received an e-certificate on "Basic concept of Steganography: Hiding data using data", organized by MAKAUT, in the year 2020.
- Participated and received an e-certificate on, " Engineering Tomorrow: New Fields Newer Prospects", organized by Adamas University in collaboration with ABP Education, in the year 2020.
- Participated and received an e-certificate in a Webinar on "Attempt to understand COVID-19", organised by Eminent College of Pharmaceutical Technology, Barasat, Kolkata- 700126, in the year 2020.
- Participated in a webinar on "Future of education post COVID" , organised by McGraw Hill, in the year 2020.
- Participated in a webinar,"Detect, Isolate and Treat: The three aspects of covid management", organised by MAKAUT, in the year 2020.
- Participated and received an e-certificate in a webinar, "Engineering tomorrow, Newer fields, Newer prospects", organised by Adamas university, in the year 2020.
- Taken part and received an e-certificate in a Faculty development program on "Holistic approaches for excellence in pharmaceutical education, research and publishing", organised by Raghu College of Pharmacy, in the year 2020.
- Participated in a webinar on "The rise in cases of domestic violence in lockdown during COVID-19 pandemic", organised by Birla Global University, in the year 2020.
- Participated in #LifeNext@2020 webinar series by the Samit Ray foundation on "Banking and finance sector in new normal", organised by Adamas university, in the year 2020.
- Participated and received an e-certificate on "Interprofessional education", organised by JSS Academy of Higher Education and Research, in the year 2020.
- Participated in 2nd International webinar by Eminent College of Pharmaceutical Technology, in the year 2020.
- Participated and received an e-certificate on "Best practices for teaching online", organised by ABP Education , in the year 2020.
- Participated in an International Conference on "Responsible investment in Nigeria hosted by ADCO, council for sustainable peace and development, India", organised by

Godphraim 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", organised by Adamas university, in the year 2020.
- Participated in episode#2 of BCRCP webinar series on "Management protocol of COVID- 19: Govt. Of West Bengal", organised by Dr. B.C. Roy College Of Pharmacy And Allied Health Sciences, in the year 2020.
- Participated in National level webinar on "Pharmacologic treatment of COVID-19: Current Trends and Future Avenues", organized by Roland Institute of Pharmaceutical Sciences,in association with SPER, in the year 2020.
- Participated and received an e-certificate in webinar on "World Music Day: It's application and education", organized by Adamas University,in the year 2020.
- Participated and received an e-certificate in "Young Researcher's Summit", organized by Eminent College of Pharmaceutical Technology, in the year 2020.
- Participated in an International Masterclass webinar on "Advancement in Pharmaceutical Industry & Technology", organized by NSHM, 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 "Best Practices for Teaching online", organized by ABP Education, in the year 2020.
- Participated and received an e-certificate in an International webinar on "The new wave of Pharmaceutical Innovation: Reacting towards the New Normal", organized by JIS University, Kolkata, in the year 2020.
- Participated and received an e-certificate for attending the webinar on "Polymorphism in solids: Pharmaceutical relevance", organized by PES University, Bengaluru, in the year 2020.
- Participated and received an e-certificate for attending the webinar on Plant Science Research on "The importance of Soft Skills in Academia" , by Bioingene, in the year 2020.
- Participated and received an e-certificate in e-FDP on "Recent trends in Pharmaceutical Technology", organized by Bengal School of Technology, in association with PTI, Bengal Branch and MAKAUT, WB, in the year 2020.
- Received three online course completion certificates from Uppsala Monitoring Centre, on "Introduction to Pharmacovigilance-English, Signal detection and causality assessment-ENG subtitles and Statistical reasoning and algorithms in Pharmacovigilance-ENG subtitles", in the year 2020.

- Participated in a webinar on "India's Sanitation Mission (SBM) now and post COVID-19.Threats and Opportunities", organized by Department of Pharmaceutical Technology, JIS University, in the year 2020.
- Participated in a webinar on "Soft Skills: Create a positive and productive work environment", organized by Bioingene, in the year 2020.
- Participated and received an e-certificate in a webinar on "Transforming Global Health", organized by H.G.E.A. College of Pharmacy, Bokaro,Jharkand, 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.
- Participated in a training and workshop on "Medical Affairs", organized by Intellimed HealthCare Solutions and Pharmacon Society for Pharmacy Practice, in the year 2020.
- Participated in a virtual conference on "A Paradigm Shift in Infections Diseases: Lessons from a Pandemic", organized by MERCK, in the year 2020.
- Participated in a webinar on "National Vice Chancellor's Round Table: Three Emerging Careers", organized by ABP Education, in the year 2020.
- Participated in a webinar on "Computational Biology and Biomedical Engineering", organized by MAKAUT, in the year 2020.
- Participated in a webinar on "Formulating Research Proposal to get a grant", 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.
- Participated in more than ninety e-certification courses and programs from varied enrichments, like WHO, FDA, Institution's Innovation council, MHRD, IFS(International Forensic Sciences), UAE, AID, EPSON, NSS, NEMCARE, Cursa, Coursera, The School of Allied Health Sciences, Jadavpur University, Harvard University,John Hopkin's University and International Diabetes Federation.

Projects Undertaken:

1. Title :

Evaluation of neuro-protective potential of *Foeniculum vulgare* extract in rat model of parkinson's disease.

M. Pharm Dissertation project, RGUHS.

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.

2. 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.

3. 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.

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. Priyanka Banerjee, Dr. Shivalinge Gowda KP. Studies on Anti-Microbial activity and preliminary phytochemical investigation of Micro'Free- a polyherbal formulation in mice. Biomedical and Pharmacology Journal. 2020; 12(2). (yet to get published).

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.

Laboratory skills:

- Handling experimental animals (Rats, Mice and Rabbits).
- Isolation of biological samples.
- Micro-scopical study and identification of powdered drugs.
- Extraction techniques.
- Formulations of drugs.
- Electrophoresis techniques, UV Spectro-photometry and Colorimetry.
- Performing TLC, Flame photometry.
- Power Lab based experiments.
- Serum biomarker estimations and tissue biomarker estimations.

Areas of interest:

- Research and development.
- Regulatory affairs.
- Clinical trials.
- Teaching profession.
- Industry as Pharmacovigilance (Drug Safety Associate).
- Scientific writing.

Personal Details :

Name: Priyanka Banerjee.

Date of Birth: 09/02/1995.

Father's Name: Mr. Prasanta Kumar Banerjee.

Mother's Name: Mrs. Anjana Banerjee.

Gender: Female.

Nationality: Indian.

Marital Status: Unmarried.

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