

Curriculum Vitae



DR. PARAMITA PAUL (DUA)

Designation Assistant Professor

Mailing Address Department of Pharmaceutical Technology, University of North Bengal, P.O.- NBU, Dist- Darjeeling, West Bengal, Pin -734013, India.

Contact No. +91-

E-Mail paramita37@nbu.ac.in ; paramita37@gmail.com

Subject Specialization: Pharmaceutics

Academic qualification:

2007: B.Pharm, Jadavpur University, India

2010: M.Pharm, Jadavpur University, India

2019: Ph.D in Pharmacy, Jadavpur University, India

Professional experiences:

Teaching Experience: 4 years 9 months

August 11, 2010 to January 29, 2011 : Assistant Professor, Columbia Institute of Pharmacy, Raipur, C.G., India

February 1, 2011 to September 8, 2012 : Lecturer, GRY Institute of Pharmacy, Borawan, Khargone, M.P., India

May 2, 2018 to February 19, 2019 : Assistant Professor, NSHM Knowledge Campus, Kolkata- Group of Institutions, Kolkata, India

February 20, 2019 to till date : Assistant Professor, Department of Pharmaceutical Technology, University of North Bengal, Darjeeling, W.B., India

Research Experience: 5 years 7 months

September 10, 2012- September 22, 2014 Senior Research Fellow, DBT Twinning Program, Govt. of India

August 20, 2015- May 1, 2018 DST Women Scientist -A, Govt. of India

Areas of Research Interest: Novel drug delivery system, liposomal drug delivery, transdermal drug delivery

No. of Ph.D. students: (a) Supervised: 0 (b) Ongoing: 00

No. of M.Pharm. students: (a) Supervised: 01 (b) Ongoing: 03.

No. of Publications: (a) Journal(s): 9 (b) Book(s): 00 (c) Book chapter(s): 11

List of Publications:

Research papers:

1. Sumit Basu, Biswajit Mukherjee, Samrat Roy Chowdhury, **Paramita Paul**, Rupak Choudhury, Ajeet Kumar, Laboni Mondal, Chowdhury Mobaswar Hossain, Ruma Maji. Colloidal gold-loaded, biodegradable, polymer-based stavudine nanoparticle uptake by macrophages: an in vitro study. International Journal of Nanomedicine. 2012; 7: 6049–6061. (**Impact factor: 5.115**)
2. Biswajit Mukherjee, Chowdhury M. Hossain, Laboni Mondal, **Paramita Paul** and Miltu K. Ghosh. Obesity and Insulin Resistance: An Abridged Molecular Correlation. Lipid Insights. 2013;6:1–11.
3. R. Manasadeepa, **Paramita Paul**, Biswajit Mukherjee. Pressure sensitive mucoadhesive polymer based dental patches to treat periodontal diseases: an in vitro study. Drug delivery. 2013; 20(6): 258–267.
4. Biswajit Mukherjee, Laboni Mondal, Samrat Chakraborty, **Paramita Paul**, Chowdhury Mobaswar Hossain, Ankan Choudhury, Sanchari bhattacharya. (2014) Size dependant variations in systemic activity of lipid based vesicular drug carriers. Current Pharmaceutical Biotechnology, 2015;16(4):380-91.
5. Pranab Jyoti Das‡, **Paramita Paul**‡, Biswajit Mukherjee, Bhaskar Mazumder, Laboni Mondal, Rinku Baishya, Mita Chatterjee Debnath, Kumar Saurav Dey. Pulmonary Delivery of Voriconazole Loaded Nanoparticles Providing A Prolonged Drug Level in Lungs- A Promise For Treating Fungal Infection. Molecular Pharmaceutics, 2015; 12(8):2651-64.
6. Biswajit Mukherjee, **Paramita Paul**, Ankan Choudhury, Sanchari Bhattacharya, Ruma Maji, and Lopamudra Dutta. Variation of Pharmacokinetic Profiles of Some Antidiabetic Drugs from Nanostructured Formulations Administered Through Pulmonary Route. Curr Drug Metab. 2016;17(3):271-8.
7. Tapan Kumar Shaw, Dipika Mandal, Goutam Dey, Murari Mohan Pal, **Paramita Paul**, Samrat Chakraborty, Kazi Asraf Ali, Biswajit Mukherjee, Amal Kumar Bandyopadhyay, Mahitosh Mandal. Successful Delivery of Docetaxel to Rat Brain using Experimentally Developed Nanoliposome: A Treatment Strategy for Brain Tumor. Drug delivery. 2017;24(1):346-357.
8. **Paramita Paul**, Soma Sengupta, Biswajit Mukherjee, Tapan K Shaw, Raghuvir H. Gaonkar, Mita Chatterjee Debnath. Chitosan coated nanoparticles enhanced lung pharmacokinetic profile of voriconazole upon pulmonary delivery in mice. Nanomedicine (Lond). 2018;13(5):501-520.
9. Soma Sengupta, **Paramita Paul**, Biswajit Mukherjee, Raghuvir H. Gaonkar, Mita Chatterjee Debnath, Rhitabrita Chakraborty, Nobila Khatun, and Somdatta Roy.

Peripheral nerve targeting by procaine-conjugated ribavirin-loaded dual drug nanovesicle. *Nanomedicine (Lond.)* (2018) 13(23), 3009–3023.

Book Chapters:

1. Mukherjee, Biswajit, Niladri Shekhar Dey, Ruma Maji, Priyanka Bhowmik, Pranab Jyoti Das, and **Paramita Paul**. "Current status and future scope for nanomaterials in drug delivery." In *Application of Nanotechnology in Drug Delivery*. IntechOpen, 2014. (ISBN no: 978-953-51-1628-8).
2. Mukherjee Biswajit*, Ghosh Shampa, Mondal Laboni and **Paul Paramita**. Virus and Nanosized Viral Scaffolds as Drug Delivery Systems. In *Medical Nanobiotechnology*. Vol. 5, Chapter 6. 2014 Studium Press LLC, Texas, USA (ISBN: 1-62699-055-7)
3. Mukherjee, Biswajit, **Paramita Paul**, Lopamudra Dutta, Samrat Chakraborty, Moumita Dhara, Laboni Mondal, and Soma Sengupta. "Pulmonary Administration of Biodegradable Drug Nanocarriers for More Efficacious Treatment of Fungal Infections in Lungs: Insights Based on Recent Findings." In *Multifunctional Systems for Combined Delivery, Biosensing and Diagnostics*, pp. 261-280. Elsevier, Netherlands, 2017. (ISBN: 978-0-323-52725-5)
4. Biswajit Mukherjee, Ashique Al Hoque, Shreyasi Chakraborty, Leena Kumari, Somdatta Roy, and **Paramita Paul**. Nanomedicine: Could It Be a Boon for Pulmonary Fungal Infections?. In *Nanomedicine for the Treatment of Disease: From Concept to Application*, pp. 141-164. Apple Academic Press Inc., Florida, USA, 2019. (ISBN 13: 978-0-42942-571-4)
5. Saikat Dewanjee, **Paramita Paul**, Tarun K. Dua, Shovonlal Bhowmick, and Achintya Saha. "Big Leaf Mahogany Seeds: Swietenia macrophylla Seeds Offer Possible Phytotherapeutic Intervention Against Diabetic Pathophysiology." In *Nuts and Seeds in Health and Disease Prevention*, pp. 543-565. Academic Press, 2020. (ISBN: 978-0-12-818553-7)
6. Tarun Kumar Dua, and **Paramita Paul**. "Naturally Occurring Coloring and Flavoring Agents." In *Plant-derived Bioactives*, pp. 549-569. Springer, Singapore, 2020. (ISBN 978-981-15-1760-0)
7. **Paramita Paul**, and Gouranga Nandi. "In Situ Polymeric Gels for Topical Drug Delivery." In *Advanced Biopolymeric Systems for Drug Delivery*, pp. 83-114. Springer, Cham, 2020.
8. Anindita Mondal Gantait, Yazan A. Bataineh, Hiba Salim Surchi, Arunava Gantait, G. Tulja Rani, **Paramita Paul**, Sarah Falah Kokaz et al. "Neuropeptides and Neurotransmission." In *Frontiers in Pharmacology of Neurotransmitters*, pp. 553-577. Springer, Singapore, 2020. (ISBN 978-981-15-3555-0)
9. Dipika Mandal, **Paramita Paul** and Manas Bhowmik. Stimulus-responsive gold nanotheranostic platforms for targeting the tumor microenvironment. In: *Multifunctional Theranostic Nanomedicines in Cancer 2021* (In press)
10. **Paramita Paul**, Sanchita Mandal, Tarun K. Dua, Dipika Mandal, Manasa Deepa. Smart multifunctional nanosystem: next generation drug delivery platform for drug resistant breast cancer. In: *Multifunctional Theranostic Nanomedicines in Cancer*. 2021 (In press)

Patent:

Mukherjee Biswajit, Sengupta Soma, **Paul Paramita**. Process and carrier for targeting drugs/diagnostics of peripheral and central nervous system. Application No: 201731033454 A; Date 21.09.2017. (Published on 20.10.2017)

Research Projects:

Sl. No	Title of the Project	Funding Agency	Year of Sanction and duration	Cost (INR)	PI or Co-PI	Status
1.	Pulmonary delivery of mucoadhesive nanoparticles of an antifungal agent using Dry Powder Inhaler	DST WOS- A, DST Women Scientist Scheme	2015, 3 years	25.96 Lakhs	PI	Completed

*As Principal Investigator (PI)

Achievement & Awards:

1. Awarded University Grants Commission (UGC) fellowship to pursue M. Pharm course at Jadavpur University, Kolkata after securing **98.39%** in national level GATE 2008.
2. Won the **best poster award** for the poster presented at 3rd IAPST Annual Convention on Novel Drug Delivery System conducted at Manipal University, Manipal, Karnataka in November, 2009.
3. Awarded **DST Women Scientists Scheme –A** as Principal Investigator at Department of Pharmaceutical Technology, Jadavpur University, Kolkata
4. Won the **best poster award** for the poster presented at One day national Seminar on “Novel Pharmaceutical Technologies: Challenges and Opportunities” conducted at Manipal University in 15th November, 2015.
5. Won the **1st position award** for the Oral presentation at **International conference** on “Current Scenario in Pharmaceutical Technology & Healthcare: A Move Towards Patient-Centric Approach” March 9-10, 2018. NSHM College of Pharmaceutical Technology & Department of Healthcare Management, Kolkata.

Membership of Learned Societies:

1. Indian Association of Pharmaceutical Scientists and Technologists
2. Association of Pharmaceutical Teachers of India