



Dr. Debarupa Dutta Chakraborty
Associate Professor
Royal School of Pharmacy
The Assam Royal Global University
Guwahati

Experience: 13.5 years (Academics)
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Academic Qualification (Undergraduate Onwards)

Sl. No	Degree	Year	Department	University/Institution	% of marks
1	Ph.D.	2021	Pharmaceutical Sciences	Dibrugarh University, Assam	Awarded
2	M. Pharmacy	2009	Pharmaceutical Chemistry	Himalayan Pharmacy Institute, Sikkim/ University of North Bengal	82.91 / First Class with Distinction
3	B. Pharmacy	2007	Pharmacy	Himalayan Pharmacy Institute, Sikkim/ University of North Bengal	77.67/ First Class (University Medalist)

Work experience (in chronological order).

Name of the post	Organization	Duration
Associate Professor	Royal School of Pharmacy, The Assam Royal Global University, Betkuchi, Guwahati, Assam	01.05.2023 till date
Professor	Mata Gujri College of Pharmacy, Mata Gujri University, Kishanganj, Bihar	03.01.2022 to 30.04.2023

Assistant Professor	Himalayan Pharmacy Institute, Majhitar, East Sikkim	22.06.2017 to 31.12.2021
Assistant Professor	Bengal College of Pharmaceutical Sciences and Research, Durgapur, West Bengal	19.01.2012 to 20.06.2017
Assistant Professor	Sardar Bhagwan Singh PG Institute of Biomedical Sciences and Research, Dehradun, Uttarakhand	27.09.2011 to 17.01.2012
Lecturer	Sardar Bhagwan Singh PG Institute of Biomedical Sciences and Research, Dehradun, Uttarakhand	04.02.2010 to 26.09.2011

Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

Sl. No.	Name of Award	Awarding Agency	Year
1.	University Medal	University of North Bengal (40 th Annual Convocation in B. Pharm Examination)	2007
2.	Life Member	Association of Pharmaceutical Teachers of India	2008
3.	Life Member	Association of Community Pharmacist of India (ACPI)	2012
4.	Life Member	Life Member of Society of Pharmaceutical Education and Research (SPER)	2018

M. Pharm Projects Supervised: 06

List of International Publications

[1]. Debasmita Das, Tamanna Afnan, Pranal Chhetri, **Debarupa Dutta Chakraborty** and Prithviraj Chakraborty: *An Outlook Towards Nano-Sponges: A Unique Drug Delivery System and Its Application in Drug Delivery*. **Current Drug Delivery** September 2022, DOI: 10.2174/1567201819666220520111032. **(IF. 3.758)**

[2]. Prama Mukherjee, **Debarupa Dutta Chakraborty**, Prithviraj Chakraborty, Bhupendra Shrestha, Nihar Ranjan Bhuyan: *Different Ultraviolet Spectroscopic Methods: A retrospective study on its application from the viewpoint of Analytical Chemistry*, **Asian J Pharm Clin Res**, 14(9), 2021, 1-1.

[3]. Tamanna Afnan, Prithviraj Chakraborty, **Debarupa Dutta Chakraborty**, Srijita Chakrabarti, Debasmita Das, Pranal Chhetri: *Microsponge Based Drug-Delivery Systems: A critical update on its Preparation, Dermatological Applications, and Patent Information*, **Journal of Chengdu University of Technology**, 26, 2021.

- [4]. **Debarupa Dutta**, Lila Kanta Nath, Prithviraj Chakraborty, Debashis Dutta: *Targeting Gemcitabine hydrochloride to tumor microenvironment through stimuli-responsive Nano-conjugate: Synthesis, characterization, and in vitro assessment.* **Journal of Drug Delivery Science and Technology** 60, December 2020, 101981. (IF. 5.062)
- [5]. Mukem Bhattarai, Hema Basnett, Ateeb Das, Pravat Manna, Deepak Chaudhary, **Debarupa Dutta**, Bhupendra Shrestha: *Simultaneous Estimation of Paracetamol, Phenylephrine Hydrochloride and Triprolidine Hydrochloride by Second Order Derivative Spectroscopy,* **Asian Journal of Chemistry**, 31(12), 2019, 2931-2936.
- [6]. **Debarupa Dutta Chakraborty**, L. K. Nath, Prithviraj Chakraborty: *Recent Progress in Smart Polymers: Behavior, Mechanistic Understanding and Application.* **Polymer-Plastics Technology and Engineering** Nov 2017. Doi.org/10.1080/03602559.2017.1364383. (IF. 3.267)
- [7]. Indranil Chanda, Ripunjoy Bordoloi, **Debarupa D. Chakraborty**, Prithviraj Chakraborty: *Development and Validation of UV-Spectroscopic Method for Estimation of Niacin in Bulk and Pharmaceutical Dosage Form.* **Journal of Applied Pharmaceutical Science** 09/2017; 7(9), 81-84. DOI:10.7324/JAPS.2017.70911
- [8]. Prithviraj Chakraborty, Versha Parcha, **Debarupa D. Chakraborty**, Amitava Ghosh: *Comparative study on the predictability of statistical models (RSM and ANN) on the behavior of optimized buccoadhesive wafers containing Loratadine and their in vivo assessment.* **Drug Delivery** 03/2016; 23(3), 1016-1027. (IF. 6.843)
- [9]. Prithviraj Chakraborty, Versha Parcha, **Debarupa D. Chakraborty**, Amitava Ghosh: *Application of artificial neural network model in predicting physicochemical characteristics of pharmaceutically developed wafers of loratadine.* **Asian Journal of Pharmaceutics** 01/2015; 9(1), 44-48. DOI:10.4103/0973-8398.150036. (IF. 0.46)
- [10]. Chinmoy Paul, **Debarupa D. Chakraborty**, Amitava Ghosh, Prithviraj Chakraborty: *Natural Indicator as a substitute to Synthetic indicator-A Developmental Approach.* **Journal of Applied Pharmaceutical Science** 09/2014; 4(9):120-122., DOI:10.7324/JAPS.2014.40921 (IF. 0.528)
- [11]. Prithviraj Chakraborty, Versha Parcha, **Debarupa D. Chakraborty**, Indranil Chanda, Amitava Ghosh: *Mathematical optimization and characterisation of pharmaceutically developed novel buccoadhesive wafers for rapid bioactive delivery of Loratadine.* **Journal of Pharmaceutical Investigation** 04/2013; 43(2)., DOI:10.1007/s40005-013-0062-7
- [12]. Datta S, **Chakraborty DD**, Sarkar N, Chakraborty P, Deb J, Ghosh A: *Pharmacognostic profiling and pharmacological screening of Zanthoxylum acanthopodium DC – A Sub-Himalayan Shrub of Ethnomedicinal Value.* **Am. J PharmTech Res.** 3(3), 2013, 712-720.
- [13]. Chandrima Chatterjee, Subrata Biswas, **Debarupa D. Chakraborty**: *Comparative study on differential protein expression in different parts of chickpea plantlet during different stages of growth in tissue culture.* **Asian Journal of Pharmacy and Life Science.** 3(1), 2013, 40-45.
- [14]. Apoorva Agarwal, Prithviraj Chakraborty, **Debarupa D. Chakraborty**, Vikas Anand Saharan: *Phytosomes: Complexation, Utilisation and Commercial Status.* **Journal of Biologically Active Products from Nature.** 2(2), 012, 65-77. DOI:10.1080/22311866.2012.10719111
- [15]. Ravi V, Patel SS, Verma NK, **Dutta D**, Saleem TSM: *Hepatoprotective Activity of Bombax ceiba Linn against Isoniazid and Rifampicin-induced Toxicity in Experimental Rats.* **International Journal of Applied Research in Natural Products.** 3(3), 2010, 19-26.
- [16]. Chakraborty Prithviraj, **Dutta Debarupa**, Dey Biplab Kumar: *Effect of Polymer blends in drug release kinetics from Transdermal drug delivery system.* **International Journal of Drug Development & Research.** 2(1), 2010, 300-309.

- [17]. **Debarupa D. Chakraborty**, Prithviraj Chakraborty: *Phyto-Pharmacology of Bombax Ceiba Linn: A Review. Journal of Pharmacy Research.* 3(12), 2010, 2821-2824.
- [18]. **D.D Chakraborty**, V Ravi and P Chakraborty: *Phytochemical Evaluation and TLC Protocol of various extracts of Bombax ceiba Linn. International Journal of Pharmaceutical Sciences and Research.* 1(8), 2010, 66-73.
- [19]. Prithviraj Chakraborty, Suresh Kumar, **Debarupa Dutta**, and Vikas Gupta: *Role of Antioxidants in Common Health Diseases. Research J. Pharm. and Tech.* 2(2), 2009, 238-244.
- [20]. **Debarupa Dutta**, Prithviraj Chakraborty: *Orphans Drugs- Its pros and cons. Research Journal of Pharmaceutical Dosage form and Technology.* 1(2), 2009, 59-66.

Books/Reports/Chapters/General articles etc.

Sl. no	Title	Author's Name	Publisher	Year
Book Chapters in Edited Volumes				
01	Boron nitride nanostructures in tissue engineering	Prithviraj Chakraborty, Debarupa Dutta Chakraborty , Saumendu Deb Roy, Amitava Ghosh	Elsevier (Fourth coming)	2023
02	Quantum dots in tissue engineering	Debarupa D. Chakraborty , Subhasis Pramanik, Prithviraj Chakraborty	Elsevier (Fourth coming)	2023
03	Biochemical and Therapeutic Targets for Nanophytomedicines	Prithviraj Chakraborty, Debarupa D. Chakraborty , Mainak Chakraborty	John Wiley & Sons	2022
04	Smart Materials Based on Cellulose Nanoparticles	Prithviraj Chakraborty, Debarupa D. Chakraborty , L. K. Nath	The Royal Society of Chemistry (RSC)	2021
05	Shape memory polymer composites and their applications	Debarupa D. Chakraborty , Prithviraj Chakraborty	Elsevier	2020
06	Polysaccharide based nanoparticles for the enhanced delivery of poorly soluble drugs	Prithviraj Chakraborty, Urmi Chaurasia, Debarupa D. Chakraborty , Indranil Chanda	CRC Press	2018
07	Polymeric Systems in Quick Dissolving Novel Films	Prithviraj Chakraborty, Amitava Ghosh, Debarupa D. Chakraborty	John Wiley Publishing LLC	2015

Patents Published: 01 (German)

Papers Presented:

National: 22

International: 01

Seminars/ Conference/ FDP/ Workshop/ Short Term Course Attended:

National: 12

International: 01

NPTEL MOOCs and ATAL FDPs: 04