


Faculty Information

GENERAL INFORMATION				
Recent Passport Photo				
Faculty Name	Dr. Tapash Chakraborty			
Department	Department of Pharmaceutics			
Designation	Assistant Professor			
Qualifications	M. Pharm., Ph.D.			
Date of Joining the institute	25.07.2018			
Year of experience	<ul style="list-style-type: none"> • Teaching 03 years • Research 4 years • Industry 1 years 			
Google scholar link	https://scholar.google.com/citations?user=U8h3q84AAAAJ&hl=en			
LinkedIn ID	linkedin.com/in/tapash-chakraborty-86336254			
Contact Details	<ul style="list-style-type: none"> • Email: tapash@gips-guwahati.ac.in • Phone No.: +91 7002926378 			
PROFILE DETAILS				
Research Area	Nanocarriers, Brain Targeting, Wound healing Drug Delivery Systems, Formulation Development, Technology Transfer.			
Educational Qualifications	Degree	Institute/University/Board	Year of passing	
	Post Doc			
	Ph.D.	Dibrugarh University	2019	
	PG (M. Pharm)	Girijananda Chowdhury Institute of Pharmaceutical Science/ Gauhati University	2013	
	UG (B.Pharm)	Girijananda Chowdhury Institute of Pharmaceutical Science/ Gauhati University	2011	
	Other(s)			
	12th	Dakshin Kamrup College/ AHSEC	2005	
	10th	Gumi High School/ SEBA	2003	
Work Experience	From date	To date	Designation	Organization name
	03-08-2012	02-02-2013	Industrial Project Trainee	Macleod's Pharmaceuticals Pvt. Ltd. R&D center, Mahakali

				Caves Road, Andheri (E), Mumbai 400059
	22-08-2013	28-03-2014	Junior Research Associate	Macleod's Pharmaceutica ls Pvt. Ltd. R&D center, Mahakali Caves Road, Andheri (E), Mumbai 400059.
	01-04-2014	31-03-2016	Junior Research Fellow	DBT, New Delhi Sponsored Twinning Project, Department of Pharmaceutica l Sciences, Dibrugarh University, Dibrugarh, Assam 786004.
	01-04-2016	31-08-2017	Senior Research Fellow	DBT, New Delhi Sponsored Twinning Project, Department of Pharmaceutica l Sciences, Dibrugarh University, Dibrugarh, Assam 786004.
Achievements & Awards	<ol style="list-style-type: none"> 1. Achieved recognition as the 'Best Poster' at the "International Conference on Advanced Nanomaterials and Nanotechnology, ICANN-2017", December 18-21, 2017, IIT Guwahati, India. 2. Qualified GPAT with All India Ranking of 1563 in the year 2011. 3. 59th All India ranks in "National Level Pharmacy Talent Search Examination" (online) organized by 'Pharma Help Line Society', 2009. 4. Second-highest mark scorer of Chhaygaon (South Kamrup, Assam, India) H.S.L.C. examination center of 2003. 			

Professional Membership	Description	Membership No.	Type of membership		
Research Guidance	PG Scholars		Ph. D Scholars		
	Awarded: 04		Awarded: 00		
	On-going: 04		On-going: 00		
Course & Subject Taught					
Course:	B. Pharm, M. Pharm				
Semester/Year:	B. Pharm 1 st , 3 rd , 4 th , 5 th , 6 th , 7 th Semester, M. Pharm 1 st & 2 nd Semester				
Subject:	Pharmaceutics, Pharmaceutical Engineering, Pharmaceutical Industrial Pharmacy, Biopharmaceutics & Pharmacokinetics, Computer Aided Drug Development, Drug Delivery Systems.				
Publication details					
Count	Research/ Review Paper	Book Chapter(s)	Books	Patent(s)	Others (News/Blogs/Magazine)
	19	04	01	Filed: 00 Granted: 00	00
<div>• Review Papers Published:</div> <div><div>1. Hasan N, Chakraborty T, Das T. “Pharmacological Properties of Pimpinella anisum: A Review.” World Journal of Pharmaceutical Research. 2021;10(12):1–12.</div><div>2. Rynjah D, Chakraborty T, Das A, Islam J, Bordoloi SS, Baishya B, Hasan N. “Recent development in the formulations of ginger for therapeutic applications and an overview towards the action on SARS-COV-2.” International Journal of Pharmaceutical Sciences and Research. 2021;12(7):3537–48.</div><div>3. Islam J, Chakraborty T, Das A, Rynjah D, Bordoloi S, Baishya B. “The Wound Healing Activity of Calendula Officinalis- A Review.” World Journal of Pharmacy and Pharmaceutical Sciences. 2021;10(7):512–23.</div><div>4. Bordoloi SS, Chakraborty T, Das A, Islam J, Rynjah D, Baishya B. “The applicability of palm trees in pharmaceuticals as excipients with a special emphasis on palm sugar: A review.” World Journal of Pharmaceutical Research. 2021;10(6):1778–92.</div><div>5. Sarma A, Chakraborty T, Das MK. “CNS Delivery of Drug via Low-Density Lipoprotein Receptor (LDLr) Mediated Transcytosis.” Current Trends in Pharmaceutical Research. 2017;4(1):26–46.</div><div>6. Chakraborty T, Sarma A, Das MK. “Silk Fibroin: A smart biomaterial for long term and targeted nanotherapeutics.” Current Trends in Pharmaceutical Research. 2016;3(1):45–82.</div><div>7. Das MK, Chakraborty T. “Curcumin Nano-Therapeutics for Cancer Chemotherapy: Promises and Challenges for the Future.” European Journal of Pharmaceutical and Medical Research. 2016;3(3):177–91.</div></div>					

8. Das MK, Sarma A, Chakraborty T. "Nano-ART and NeuroAIDS." *Drug Delivery and Translational Research*. 2016;6(5).
9. Das MK, Sarma A, Chakraborty T. "PLGA-derived anticancer Nano therapeutics: Promises and challenges for the future." *Journal of Chemical and Pharmaceutical Research*. 2016;8(2).
10. Das MK, Chakraborty T. "Progress in brain delivery of Anti-HIV drugs." *Journal of Applied Pharmaceutical Science*. 2015;5(7).
11. Saha S, Sarma A, Saikia P, Chakraborty T. "Phytosome: A brief overview." *Scholars Academic Journal of Pharmacy*. 2013;2(1):12–20.

• **Research Paper Published**

1. Sarma A, Chakraborty T, Rahman S, Ahmed AB. "Formulation by Design (FbD) approach to develop pharmaceutically amended Diclofenac Sodium hydrogel as compared to marketed gel." *Current Research Journal of Pharmaceutical and Allied Sciences*. 2021;4(1):3–10.
2. Sarma A, Das MK, Chakraborty T, Das S. "Nanostructured lipid carriers (NLCS)-based intranasal drug delivery system of tenofovir disoproxil fumarate (TDF) for brain targeting." *Research Journal of Pharmacy and Technology*. 2020;13(11):5411–24.
3. Iraqui P, Chakraborty T, Das MK, Yadav RN. "Herbal antimicrobial gel with leaf extract of *Cassia alata* L." *Journal of Drug Delivery and Therapeutics*. 2019;9(3):82–94.
4. Dutta L, Mukherjee B, Chakraborty T, Das MK, Mondal L, Bhattacharya S, Gaonkar RH, Debnath MC. "Lipid-based nanocarrier efficiently delivers highly water-soluble drug across the blood–brain barrier into brain." *Drug Delivery*. 2018;25(1).
5. Chakraborty T, Das MK. "De Novo Approach to Utilize Mango (*Mangifera indica* L.) Seed Kernel Lipid in Pharmaceutical Lipid Nanoformulation." *Journal of Pharmaceutical Innovation*. 2017;12(3).
6. Chakraborty T, Das MK. "Oil of *Mesua ferrea* L. Seed as a promising pharmaceutical excipient in lipid based nanoformulation." *Journal of Applied Pharmaceutical Science*. 2017;7(7).
7. Rudrapal M, Oduri MU, Samidala NR, Kiran BVVSS, Junejo JA, Singh KD, Chakraborty T, Debnath M. "Development and validation of RP-HPLC method for simultaneous estimation of olmesartan and hydrochlorothiazide in tablet dosage form." *Oriental Journal of Chemistry*. 2015;31(2).
8. Junejo JA, Ghoshal A, Mondal P, Nainwal L, Zaman K, Singh KD, Chakraborty T. "In-vivo Toxicity Evaluation and Phytochemical, Physicochemical Analysis of *Diplazium esculentum* (Retz.) Sw. leaves a Traditionally used North-Eastern Indian Vegetable." *Advances in Bioresearch*. 2015;6(5).

• **Book Chapters:**

1. Das S, Das MK, Chakraborty T. "Cancer Stem Cell Targeting for Anticancer Therapy: Strategies and Challenges." In: Zaman K, Rahman A-, editors. *Topics in Anti-Cancer Research Volume: 8*. 1st ed. Bentham Science Publishers Ltd.; 2019. p. 97-156 (60).
2. Chakraborty T, Das MK, Dutta L, Mukherjee B, Das S, Sarma A. "Successful Delivery of Zidovudine-Loaded Docosanil Nanostructured Lipid Carriers (Docosanil NLCs) into Rat Brain." In: *Surface Modification of Nanoparticles for Targeted Drug Delivery*. Cham: Springer International Publishing; 2019. p. 245–76.
3. Das MK, Chakraborty T. "Molecular Diagnosis of CNS Viral Infections." In: *The Microbiology of Central Nervous System Infections*. Academic Press; 2018. p. 45–59.
4. Das MK, Chakraborty T. "ANN in Pharmaceutical Product and Process Development."

<p>In: Artificial Neural Network for Drug Design, Delivery and Disposition. Academic Press; 2016. p. 277–93.</p> <ul style="list-style-type: none"> • Book(s): <ol style="list-style-type: none"> 1. Das MK, Chakraborty T. “Pharmaceutical Calculation: Dispensing Pharmacy”. 1st ed. Dibrugarh, India: LAP LAMBERT Academic Publishing; 2015. 	
Conferences/Seminars/Workshop/FDP/STTP	
Conducted: 00	• NA
Attended/Participated : 09 Presented: 03	Details of Conferences/Seminars/Workshop/FDP/STTP attended/participated: <ul style="list-style-type: none"> • 15 Day AICTE sponsored FDP on " Innovative Teaching Methods and Application of Statistical Software in Advanced Research in Science and Technology", organized by Girijananda Chowdhury Institute of Pharmaceutical Science, on 19/08/2021-01/09/2021. • 7 Day AICTE Sponsored STTP on "Clinical Pharmacy Services- Optimizing Patient Health" organized by Department of Pharmacy Practice, Shri Vislmu College of Pharmacy (Autonomous), Bhimavaram. West Godavari District, Andhra Pradesh, on 15/03/2021- 20/03/2021. • 7 Day AICTE sponsored STTP on "Human Values, Ethics, Morals, Behavioural Sciences and Attitude" organized by Sagar Institute of Research and Technology Pharmacy, Bhopal (MP), on 20/07/2020-25/07/2020. • 3 Day online international STTP on "Innovative Research Trends in Pharmaceutical Industry” organized by Dept. of Pharmaceutics, Bapatla College of Pharmacy, Bapatla in association with University College of Pharmaceutical Sciences, ANU, Guntur, from 13/06/2020-15/06/2020. • 7 Day FDP program on “Outcome Based Education and Quality Research Paper Writing” organized by ESICT Academy IIT Guwahati in association with Girijananda Chowdhury Institute of Management and Technology, Guwahati, on 19/08/2019-24/08/2019. • 15 Day FDP on “Innovations & Challenges in Newer Drug Delivery Systems” organized by Department of Pharmaceutical Science & Technology, Birla Institute of Technology, Mesra, Ranchi-835215, India, on 30/11/2018-13/12/2018. • 2 Day national seminar on “Pharmananotech-2018” organized by Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh-786004, India, on 23/11/2018-24/11/2018. • 3 Day National Seminar on “National Seminar Cum Workshop in Nanoscience (NSWN-2018) Hands on Training on Sophisticated Instruments” organized by Department of Nanotechnology, North-East Hill University, Shillong-793022, India, on 29/05/2018-31/05/2018. • 4 Day International Conference on “Advanced Nanomaterials & Nanotechnology (ICANN)” organized by Centre for Nanotechnology, Indian Institute of Technology, Guwahati, Assam, India, on 18/12/2017-21/12/2017.

Details of Conferences/Seminars/Workshop/FDP/STTP presented: <ul style="list-style-type: none"> Presented Oral Presentation at National Seminar “Pharmananotech-2018”, on the Topic “Assessment of the effect of surface modification on the in vivo brain targeting efficiency of Zidovudine loaded Nanostructured lipid carriers (NLCs) in rats” organized by Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh-786004, India, on 23/11/2018-24/11/2018. Presented Oral Presentation at National Seminar Cum Workshop in Nanoscience (NSWN-2018) Hands on Training on Sophisticated Instruments on the topic “Assessment of the impact of Polyethylene glycol (PEG) and Human serum albumin (HSA) coating on the in vivo brain targeting efficiency of Zidovudine loaded Nanostructured lipid carriers (NLC) in rats” organized by Department of Nanotechnology, North-East Hill University, Shillong-793022, India, on 29/05/2018-31/05/2018. Presented Poster Presentation at 5th International Conference on Advanced Nanomaterials & Nanotechnology on “Development and evaluation of brain-targeted Zidovudine loaded Nanostructured Lipid Carrier (NLC) with Mangifera indica (Mango) and Mesua ferrea (Nahor) seed oil”, organized by Centre for Nanotechnology, Indian Institute of Technology, Guwahati, Assam, India, on 18/12/2017-21/12/2017. 				
Funded Projects				
PI or Co-PI	Funding source	Topic of project & Reference No.	Amount sanctioned (Rs.) and date	Status (On-going/Completed)
0	0	0	0	0