CV of Dr. Tapash Chakraborty

Name: Dr. Tapash Chakraborty

Designation: Assistant Professor

Address for Communication: (office) Department of Pharmaceutics,
GIPS, Girijanada Chowdhury University,
Guwahati-17, Assam, India.
Mobile No.: 7002926378
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Sex: M

Date of Birth: 16-01-1987

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council/ University	Specialization
1	HSLC/10th Std.	2003	SEBA	---
2	HSSLC/10+2 Std.	2005	AHSEC	---
3	Degree (Please Specify)	2011	Gauhati University	B. Pharmacy
4	Master's Degree (Please Specify)	2013	Gauhati University	M. Pharmacy (Pharmaceutics)
5	M. Phil.(Please Specify)	---	---	---
6	Ph. D. (Please Specify)	2019	Dibrugarh University	Pharmaceutical Sciences
7	Post-Doctoral (Please Specify)	---	---	---
8	Others(Please Specify)	---	---	---

Languages known: Assamese, Bangla, Hindi, English

(Read, Write & Speak)

Academic/ Administrative Experience: 4.5 years in academics and administration
8.0 years in research
1.0 year in industry

List of Publications:

Research Articles:

1. Sarma A, **Chakraborty T**, Rahman S, Ahmed AB (2021). "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, 4(1):3–10.
2. Sarma A, Das M K, **Chakraborty T**, Das S (2020). Nanostructured lipid carriers (NLCs)-based intranasal Drug Delivery System of Tenofovir disoproxil fumerate (TDF) for brain targeting. Research Journal of Pharmacy and Technology, 13 (11): 5411-5424.
3. Iraqui P, **Chakraborty T**, Das MK, Yadav RN (2019). "Herbal antimicrobial gel with leaf extract of Cassia alata L." Journal of Drug Delivery and Therapeutics, 9(3):82–94.
4. Dutta L, Mukherjee B, **Chakraborty T**, Das M K, Mondal L, Bhattacharya S, Gaonkar R H, Debnath MC (2018). Lipid-based nanocarrier efficiently delivers highly water-soluble drug across the blood-brain barrier into brain. Drug Delivery, 25(1):504-516.
5. **Chakraborty T**, Das M K (2017). *De novo* approach to utilize mango (*Mangifera indica* L.) lipid in pharmaceutical lipid nanoformulation. Journal of Pharmaceutical Innovation, 12(3), 226–237.
6. **Chakraborty T**, Das M K (2017). Oil of *Mesua Ferrea* L. seed as a promising pharmaceutical excipient in lipid-based nanoformulation. Journal of Applied Pharmaceutical Sciences, 7 (07): 133-141.
7. Rudrapal M, Oduri M U, Samidala N R, Kiran B V V S S, Junejo J A, Singh K D, **Chakraborty T**, Debnath M (2015). "Development and Validation of RP-HPLC Method for Simultaneous Estimation of Olmesartan and Hydrochlorothiazide in Tablet Dosage Form." Oriental Journal of Chemistry, 31(2):1-6.
8. Junejo J A, Ghoshal A, Mondal P, Nainwal L, Zaman K, Singh K D, **Chakraborty T** (2015). "*In-vivo* Toxicity Evaluation and Phytochemical, Physicochemical Analysis of *Diplazium esculentum (Retz.) Sw.* leaves a traditionally used North-Eastern Indian Vegetable." Advances in Bioresearch, 6(5):175-181.

Review Articles:

1. Hasan N, **Chakraborty T**, Das T (2021). "Pharmacological Properties of *Pimpinella anisum*: A Review." World Journal of Pharmaceutical Research.10(12):1–12.
2. Bordoloi SS, **Chakraborty T**, Das A, Islam J, Rynjah D, Baishya B (2021). "The applicability of palm trees in pharmaceuticals as excipients with a special emphasis on palm sugar: A review." World Journal of Pharmaceutical Research, 10(6):1778–92.
3. Islam J, **Chakraborty T**, Das A, Rynjah D, Bordoloi S, Baishya B (2021). "The Wound Healing Activity of Calendula Officinalis- A Review." World Journal of Pharmacy and Pharmaceutical Sciences, 10(7):512–23.
4. Rynjah D, **Chakraborty T**, Das A, Islam J, Bordoloi SS, Baishya B, Hasan N (2021). "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, 12(7):3537–48.

5. Sarma A, **Chakraborty T**, Das M K (2017). CNS delivery of drug via low-density lipoprotein receptor (LDLr) mediated transcytosis. Current Trends in Pharmaceutical Research, 4(1):26-46.
6. **Chakraborty T**, Sarma A, Das M K (2017). "Silk fibroin: A smart biomaterial for long term and targeted nanotherapeutics". Current Trends in Pharmaceutical Research, 3(1):45-82.
7. Das M K, **Chakraborty T** (2016). "Curcumin Nano-Therapeutics for Cancer Chemotherapy: Promises and Challenges for the Future." European Journal of Pharmaceutical and Medical Research, 3(3), 177-191.
8. Das M K, Sarma A, **Chakraborty T** (2016). "Nano-ART and NeuroAIDS." Drug Delivery and Translational Research, 6(5):452-472.
9. Das M K, Sarma A, **Chakraborty T** (2016). "PLGA-derived anticancer Nano therapeutics: Promises and challenges for the future." Journal of Chemical and Pharmaceutical Research, 8(2):484-499.
10. Das M K, **Chakraborty T** (2015). "Progress in Brain Delivery of Anti-HIV Drugs." Journal of Applied Pharmaceutical Science, 5(07): 154-164.
11. Saha S, Sarma A, Saikia P, **Chakraborty T** (2013). "Phytosome: A Brief Overview." Scholars Academic Journal of Pharmacy, 2(1):12-20.

Books:

1. Das M K, **Chakraborty T** (2015). Pharmaceutical Calculation: Dispensing Pharmacy. LAP LAMBERT Academic Publishing, Germany. ISBN: 978-3-659-81652-9.

Book Chapters:

1. **Chakraborty, T.**, & Sarma, A. (2022). Toxicity of Nanostructures and Nanodrugs. In M. Rudrapal (Ed.), Phytoantioxidants and Nanotherapeutics (pp. 267–287). John Wiley & Sons, Ltd.
2. Sarma, A., **Chakraborty, T.**, & Das, M. K. (2022). Nanocosmeceuticals: Current trends, market analysis, and future trends. In M. K. Das (Ed.), Nanocosmeceuticals: Innovation, Application, and Safety (pp. 525–558). Academic Press.
3. Das S, Das MK, **Chakraborty T** (2019). Chapter 4: Cancer Stem Cell Targeting for Anticancer Therapy: Strategies and Challenges. In: Topics in Anti-Cancer Research, Volume: 8, Atta-ur-Rahman and Khurshid Zaman; Bentham Science Publishers Ltd., pp. 97-156. ISBN: 978-981-14-0437-5.
4. **Chakraborty T**, Das MK, Dutta L, Mukherjee B, Das S, Sarma A (2019). Chapter 14: Successful Delivery of Zidovudine-Loaded Docosanol Nanostructured Lipid Carriers (Docosanol NLCs) into Rat Brain. In: Surface Modification of Nanoparticles for Targeted

Drug Delivery, YV Pathak; Springer International Publishing, Springer Nature Switzerland AG, pp 245-276. ISBN: 978-3-030-06114-2.

5. Das M K, **Chakraborty T** (2018). Chapter 3: Molecular Diagnosis of CNS Viral Infections. In: The Microbiology of Central Nervous System Infections, Volume 3 of Clinical Microbiology Diagnosis, treatment, and prophylaxis of infections; Kateryna Kon, Mahendra Rai; Academic Press Elsevier Inc., USA, pp 45-59. ISBN 0128138076, 9780128138076.
6. Das M K, **Chakraborty T** (2015). Chapter 14: ANN in Pharmaceutical Product and Process Development. In: Artificial Neural Network for Drug Design, Delivery and Disposition; M Puri, V Sutariya, S Tipparaju, W Moreno, Y Pathak Eds.; Academic Press Elsevier Inc., USA, pp 277-291. ISBN: 9780128015599.

Research Experience:

- Doctoral thesis guided: Nil
- Research & Consultancy Projects: Nil

Membership of Professional bodies: Nil

Award, Fellowship & Recognition:

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 rank 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.

Sri Tapash Chakraborty.

Scanned Signature

Date: (Name)