

Name : Dr. Amrita Chakraborty

Present occupation : Assistant Professor in Physiology (W.B.E.S.)
Rani Indira Debi Government Girls' College, Jhargram

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Date of Birth : 23.02.1990

Academic qualifications :

Examination	Year of Passing	Name of Institution	Subjects of specialization	Class/ Division	Rank
Madhyamik	2005	Binodini Girls' High School		1 st (89.5%)	65
H.S.	2007	-Do-	Science	1 st (76%)	
B.Sc. (H)	2010	Hooghly Mohsin College (B.U.)	Physiology	1 st (72%)	1st
M.Sc.	2012	University of Calcutta	Human Physiology (Specialization in Biochemistry)	1 st (74%)	2 nd
GATE	2013		Life Science		AIR-511
SET	2014		Life Science	Qualified	
CSIR-NET	2015		Life Science		CSIR-64
Ph.D.	2024	University of Calcutta	Physiology		

Research Interest: To explore sustainable strategies in the fabrication of edible nanoformulation and evaluate its therapeutic potential in the physiological system

Publications:

1. Paul, D., Dey, T.K., Chakraborty, A. and Dhar, P. 2016. Functional and Bioactive Lipid Mediators in Modulating CVD Precursors. *Functional Foods and Chronic Diseases*, 1, p. 58-88.
2. Chakraborty, A. and Dhar, P., 2017. A review on potential of proteins as an excipient for developing a nano-carrier delivery system. *Critical Reviews™ in Therapeutic Drug Carrier Systems*, 34(5).
3. Paul, D., Dey, T.K., Chakraborty, A. and Dhar, P., 2018. Promising functional lipids for therapeutic applications. *Role of Materials Science in Food Bioengineering* (pp. 413-449). Academic Press.
4. Chakraborty A., 2020. Mother's Milk: A Weapon of War in the Era of Covid-19 Pandemic. *The Science of COVID-19: People and Society*. Avenel Press.

5. Chakraborty, A. and Dhar, P., 2022. Phospholipid-Based Nanoplatfoms: Evolving as Promising Carriers for Therapeutic Intervention. *Handbook of Nanotechnology in Nutraceuticals* (pp. 183-222). CRC Press.
6. Chakraborty, A., Chatterjee, N., Dey, S. and Dhar, P., 2023. Sesame lignans as promising anti-inflammatory agent: Exploring novel therapeutic avenues with in silico and computational approach. *Indian Journal of Chemical Technology*, 30, p. 547–559
7. Das, T., Chatterjee, N., Chakraborty, A., Banerjee, A., Haiti, S.B., Datta, S., Chattopadhyay, H. and Dhar, P., 2023. Fabrication of rice bran oil nanoemulsion and conventional emulsion with Mustard Protein Isolate as a novel excipient: Focus on shelf-life stability, lipid digestibility and cellular bioavailability. *Food Hydrocolloids for Health*, 4, p.100143.

Awards

:

- I. 3rd best poster (Biological science) in International Science Seminar, 2017 (Burdwan Raj College)**
- II. 2nd best poster in TWO DAYS INTERNATIONAL SEMINAR 2018 (Acharya Prafulla Chandra College)**
- III. 2nd best oral (session: XI) in International Symposium Kolkata 2018 (Indian Meat Science Association)**
- IV. DR. A.G. DATTA MEMORIAL Best Oral Presentation Medal 2019 in PHYSICON (Bankura Christian College)**
- V. Best oral presentation in International Conference on Sustainable Innovation in Food Safety, Health and Nutrition ((SInFoCon-23) organized by West Bengal University Of Animal & Fishery Sciences, Kolkata**