CURRICULUM VITAE

Name	DR. ANINDITA DUTTA
Date of Birth	22.05. 1991
Present Position	ASSISTANT PROFESSOR
Address	40E, Jainuddin Mistry Lane. Chetla. Kolkata – 700027. West Bengal, India.
Institution	ADAMAS UNIVERSITY
Academic Qualification	M.Sc., Ph.D
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Language Proficient:	English, Bengali, Hindi

Educational Qualification:

Examination	Board/University	Passing Year	Division	% of Marks	Position
Madhyamik	W.B.B.S.E	2006	1	67.875	
Higher Secondary	W.B.C.H.S.E	2008	1	82.50	
B.Sc (Hon's)	C.U	2011	1	70.00	9th
M.Sc	C.U	2013	1	75.70	7th
Ph.D	C.U	2025			

***Both B.Sc and M.Sc degrees were awarded for the subject FOOD & NUTRITION.**

Research Qualification:

UGC NET Examination 2014 December: Qualified for both JRF (Junior Research Fellow) and Assistant Professor Category.

UGC NET Examination 2015 June: Qualified for both JRF (Junior Research Fellow) and Assistant Professor Category.

Research Experience:

Have done a dissertation on disease pathology, **"EFFECT OF VITAMIN D ON CARDIOVASCULAR DISEASE - A REVIEW"**, for partial fulfillment of M.Sc Degree of Calcutta University (Dept. of Home Science) 2013, under the guidance of Dr. Sarmistha Chakrabarti, Assistant Professor of Chemistry, Dept. of Home Science (Food & Nutrition) University of Calcutta.

Worked as a **Senior Research Fellow** (SRF) in the field of Stress Biology at **UGC DAE Consortium for Scientific Research, Kolkata Centre, West Bengal, India** under the

supervision of **Dr. Anindita Chakraborty, Scientist G and Dr. Maitree Bhattacharyya, Professor.** My research activity is focused on the **RADIOMODULATING EFFECTS OF PHYTOCOMPONENTS, WHETHER IT IS PROTECTION OR SENSITIZATION.**

Publications:

- A. Dutta and A. Chakraborty, "Molecular Insights into Cinnamon-Mediated Pathological Modulations: An overview," Int J Sci Res Dev, 5 (5), 1805-1813, 2017.

- A. Dutta and A. Chakraborty, "Cinnamon in Anticancer Armamentarium: A Molecular Approach," J Toxicol, vol. 2018, Article ID 8978731, 8 pages, https://doi.org/10.1155/2018/8978731.2018.

- A. Dutta, S. Mukherjee, M. Bhattacharyya, A. Chakraborty."NFκB, p53, p21 interacts with DNA damage indicators & Stat3 protein in inducing the radiomodulatory potential of Ethyl cinnamate on HepG2 and BRL3A cells."Int J Rad Res, 21(1), 177-187.Doi: 10.52547/ijrr.21.2.1.2023.

- A. Dutta, S. Mukherjee, M. Bhattacharyya, A. Chakraborty. "γ-radiation-induced damage on normal hepatocytes and its protection by ethyl cinnamate". J Radioanalyt Nuc Chem, pp.1-13. 2023.

- A. Dutta, S. Mukherjee, M. Bhattacharyya, A. Chakraborty. "Radiosensitization of HepG2 cells by Ethyl cinnamate: an in vitro study." (Under revision) 2025.

- S. Mukherjee, A. Dutta, A. Chakraborty, "External Modulators and Redox Homeostasis: Scenario in Radiation induced Bystander Cells," Mut Res: Rev in Mut Res, vol. 787, Doi: https://doi.org/10.1016/j.mrrev.2021.108368, 2021.

- S. Mukherjee, A. Dutta, A. Chakraborty. "The cross-talk between Bax, Bcl2, caspases, and DNA damage in bystander HepG2 cells is regulated by γ-radiation dose and time of conditioned media transfer." Apoptosis. 27(3-4):184-205. Doi: 10.1007/s10495-022-01713-4. 2022

- S. Mukherjee, A. Dutta, A. Chakraborty. "The interaction of oxidative stress with MAPK, PI3/AKT, NF-κB, and DNA damage kinases influences the fate of γ-radiation-induced bystander cells." Arch Biochem Biophys. 725 (8). Doi:10.1016/j.abb.2022.109302. 2022.

Conferences:

- International Congress on Radiation Research, August 2019, Manchester. "Radiosensitizing effect of Ethyl cinnamate on Hepatocellular carcinoma cells: an in vitro study". Abstract accepted.
- 2nd World Congress on Toxicology and Applied Pharmacology, November 2019, Prague. "Radiosensitization by Ethyl Cinnamate". Abstract accepted.
- National Conference on Environmental Radiation: Impact on Society and its Implications, November 2019, Kolkata. "Radiosensitizing effect of Ethyl cinnamate on growth of Hepatocellular carcinoma cells: an in vitro study". Paper published.
- The 5th International Conference on Application of Radiotracers and Energetic Beams in Sciences, ARCEBS, January 2023, Purulia, India. "γ-Irradiation Induced Damage on Normal Hepatocytes and Its Protection by Ethyl Cinnamate". Abstract accepted. Full paper communicated.
- Organizing member of International Conference on Unveiling opportunities in global healthcare landscape: Scientific advancements, innovations & recent trends. 'HEALTHMEDICON' 2025. School of Health & Medical Sciences, Adamas University, Kolkata & Universiti Teknologi Mara, Malyasia.

Teaching experience:

- Worked as a teacher at St. John's Diocesan Girls' Higher Secondary School.
- Trained many junior research scholars in carrying out different experimental procedures including cell culture techniques, flow cytometric analysis; western blotting; microscopy techniques.
- Worked as a guest lecturer of Food & Nutrition at University of Kalyani.
- Worked as a guest lecturer of CVAC course- Lifestyle Disorder & their prevention at Syamaprasad College, CU.

* Working as a **reviewer** in reputed international journals.

Faculty Development Programmes:

- FDP on "Transforming Education in the light of the National Education Policy and understanding the different accreditation bodies." Adamas University, 10 Days, June 2025.

- FDP on "NEP 2020 Orientation & Sensitization Programme" (Programme ID: MMC-142-2025-AUG-B-06793) from 28 August to 9 September, 2025 (8 Days) under Malaviya Mission Teacher Training Programme (MMTTP), Ministry of Education, Government of India.