
DR. ARPAN DAS**Designation: Assistant Professor**

Did Masters from the Department of Microbiology, Vidyasagar University in 2008 and thereafter completed Ph.D. from the same Department in 2015. Currently working as an assistant professor in Microbiology at Maulana Azad College, Kolkata.

Qualifications: M.Sc., PHD

Ph.D in Microbiology in 2015

West Bengal State Level Eligibility Test (SET) in 2014

National Eligibility Test (CSIR-NET) in 2012

Graduate Aptitude Test in Engineering (GATE) in 2009

RFSMS Research Fellowship, UGC, Govt. of India (2009-2014)

Current Teaching:

Assistant Professor in Microbiology at Maulana Azad College under University of Calcutta

Research Interests:

Application of microbial enzymes in different biotechnological area.

Selected Publications:***Book Chapters***

- Current Progress and Difficulties in the Application of Nanomaterials for Biodiesel Production. Das A. In Nanomaterials as a Catalyst for Biofuel Production Ed. Dave V, Kuila A. Springer Nature Singapore Pte Ltd. 2025, 1-19.
- Potential Nanomaterial Stimulants for the Development and Application of Biofuels. Das A, Chakraborty S, Maji S, Pal P, Bhattacharya D, Golder A. In Nanomaterials as a Catalyst for Biofuel Production Ed. Dave V, Kuila A. Springer Nature Singapore Pte Ltd. 2025, 39-70
- Harnessing the Potential of Lignocellulolytic Enzymes Advances in Pretreatment Technologies for Conversion of Lignocellulose to Cellulosic Ethanol. Das A. In Biofuels, Ed. Banik SP, Bagchi D. CRC Press, Taylor & Francis, 2024, 115-126.

Selected Research Article

- Banerjee P, Das A, Kumar P, Chakraborty S, Jalan K. (2025) An Updated Insight on the Chemistry, Ethnobotany, and Health Benefits of *Asparagus racemosus* (Shatavari): With a Special Emphasis on Shatavarin IV. Journal of the American Nutrition Association. DOI: 10.1080/27697061.2025.2496945.
- Das A, Ghosh P, Ghosh U, Pati BR, Mondal KC. (2016) Production of Bioethanol as useful Biofuel through the bioconversion of Water hyacinth (*Eichhornia crassipes*). 3 Biotech.6:70.
- Das A, Paul T, Ghosh P, Halder SK, Das Mohapatra PK, Pati BR, Mondal KC. (2015) Kinetic Study of a Glucose Tolerant β -Glucosidase 3 from *Aspergillus fumigatus* ABK9 Entrapped into Alginate Beads. Waste Biomass Valorization. 6: 53–61.

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