

Annexure-V

BIO DATA OF PRINCIPAL INVESTIGATOR & CO-INVESTIGATOR(S)



Name: Dr. (Ms.) Swapna Mukherjee
 Designation: Associate Professor
 Department: Microbiology
 Organization/Institution name: Dinabandhu Andrews College
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Academics

Sl. No.	Institution Place	Degree Awarded	Year	Field of Study
1.	University of Calcutta	M.Sc.	1990	Biochemistry (Specialization in "Advance Microbiology"
2.	University of Calcutta	Ph.D.	1999	Biochemistry (Plant-Microbe Interaction)

Position and Employment (Starting with the most recent employment)

Sl. No.	Institution Place	Position	From (date)	To (date)
1.	Dinabandhu Andrews College	Associate Professor	1.8.2013	Till date
2.	Dinabandhu Andrews College	Assistant Professor(3)	1.8.2010	31.7.2013
3.	Dinabandhu Andrews College	Assistant Professor(2)	1.1.2006	31.7.2010
4.	Dinabandhu Andrews College	Senior Lecturer	1.8.2005	31.12.2005
5.	Dinabandhu Andrews College	Lecturer	1.8.2001	31.7.2005

Honors and Awards: NET (UGC); GATE (IIT); JRF (UGC); SRF (UGC); Research Associate (CSIR);

Research Interest: Environmental Microbiology, Plant- Microbe interaction

Research Project: UGC, DST etc

Publications of Dr. Swapna Mukherjee

1. **Mukherjee S**, Das S and Jha S (1994) Chromosome stability in transformed hairy root cultures of *Artemisia annua* L. **Cell and Chromosome Research**17: 71-76. ISSN: 1475 - 9268(Print).
2. **Mukherjee S**, Ghosh B, Jha TB and Jha S (1995) Genetic transformation of *Artemisia annua* by *Agrobacterium rhizogenes*. **Indian Journal of Experimental Biology**33: 868-871. (IF 0.835)
3. **Mukherjee S**, Ghosh B and Jha S (1996) Forskolin synthesis of cultures of *Coleus forskohlii* Briq. transformed with *Agrobacterium tumefaciens*. **Plant Cell Reports**15: 691- 694. (Springer)(IF 4.570)
4. Ghosh B, **Mukherjee S** and Jha S (1997) Genetic transformation of *Artemisia annua* by *Agrobacterium tumefaciens* and artemisinin synthesis in transformed cultures. **Plant Science**122: 193-199. (Elsevier) (IF 4.729)
5. **Mukherjee S**, Ghosh B and Jha S (2000) Establishment of forskolin yielding transformed cell suspension cultures of *Coleus forskohlii* as controlled by different factors. **Journal of Biotechnology**76: 73- 81(Elsevier) (IF 3.307)
6. **Mukherjee S**, Ghosh B and Jha, S. (2000) Enhanced forskolin production in genetically transformed cultures of *Coleus forskohlii* by casein hydrolysate and studies on growth and organisation. **Biotechnology Letters**22: 133-136. (Springer) (IF 2.461)
7. Ghosh B, **Mukherjee S** and Jha S. (2002) Taxol production in untransformed cell cultures of *Taxus wallichiana*. In S.K. Nandi et al eds. Role of Plant tissue Culture in Biodiversity, Conservation and Economic Development. Gyanodaya Prakashan, Nainital, pp287-295.
8. **Mukherjee S**, Ghosh B and Jha S. (2002) Genetic transformation of *Coleus forskohlii* for forskolin production. In S.K. Nandi et al eds. Role of Plant tissue Culture in Biodiversity, Conservation and Economic Development. Gyanodaya Prakashan, Nainital, pp277-286.
9. Ghosh B, **Mukherjee S**, Jha TB and S Jha. (2002) Enhanced colchicine production in root cultures of *Gloriosa superba* by direct and indirect precursors of the biosynthetic pathway. **Biotechnology Letters**24: 231- 234. (Springer). (IF 2.461)
10. **Mukherjee S**, Ghosh B and Jha S. (2002) Variation in content of taxol and related taxenes in eastern Himalayan population of *Taxus wallichiana*. **Planta Medica**. 68: 757- 759. (George Thieme Verlag Germany). (IF 3.11)
11. **Mukherjee S**, Ghosh B and Jha S. (2003) Higher production of forskolin in genetically transformed cultures of *Coleus forskohlii* Briq. induced by growth regulators. **J Plant Biochemistry & Biotechnology**12: 81-85. (Springer) (IF 0.810) ISSN: 0974-1275(Online), 0971-7811(Print)
12. **Mukherjee S** (2011) Antibacterial activity and phytochemical studies on *Taxus wallichiana*. **International Journal of Bio-resource and Stress Management**2: 470-474 ISSN: 0976-4038(Online), 0976-3988(Print)
13. **Mukherjee S** (2013) Antibacterial activity of five plant extracts against bacterial pathogens isolated from urinary tract infection patient. **Proceeding of National Seminar on Modern Biology & its impact on Public Health**. Pp 32-45.
14. Kundu S, **Mukherjee S**, Ghosh B. (2016) Antimalarial Compound Synthesis from Transgenic Cultures. In: Jha S. (eds) Transgenesis and Secondary Metabolism. Reference Series in Phytochemistry. Cham. https://doi.org/10.1007/978-3-319-27490-4_22-1 ((Springer)).

15. Haque SM, Chakraborty A, Dey D, **Mukherjee S**, Nayak S, Ghosh B (2017) Improved micropropagation of *Bacopamonneri* (L.) Wettst. (Plantaginaceae) and antimicrobial activity of *in vitro* and *ex vitro* raised plants against multidrug-resistant clinical isolates of urinary tract infecting (UTI) and respiratory tract infecting (RTI) bacteria. **Clinical Phytoscience** 3:1- 10 (Springer).
16. Chakraborty A., Kundu S., **Mukherjee S.**, Ghosh B. (2019) Endophytism in Zingiberaceae: Elucidation of Beneficial Impact. In: *Endophytes and Secondary Metabolites. Reference Series in Phytochemistry*. Springer, Cham. https://doi.org/10.1007/978-3-319-76900-4_31-1
17. Chakraborty A, Haque SM, Dey D, **Mukherjee S**, Ghosh B (2022) Detection of UTI pathogen-killing properties of *Coleus forskohlii* from tissue cultured *in vitro* and *ex vitro* plants. **Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.** 92, 157–169 (2022) <https://doi.org/10.1007/s40011-021-01285-4>(Springer Nature)