

Dr. MRITTIKA SENGUPTA

Current Designation: SACT I

Department: Sericulture

Date of Joining: 04-12-2007

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1. Academic Qualifications (Master's degree onwards)

Degree	Institution	Year	Subject/Discipline
M.Sc.	Mysore University	2007	Sericulture
Ph.D.	Raiganj University	2024	Sericulture

2. Thesis Title

Ph.D. Thesis Title: ' Assessment of Socio-economic constraints in relation to generate higher income in sericulture from some socio-personal and management factors in some districts of West Bengal'.

3. Specialization and Area of Interests

Specialization: Sericulture Mulberry Production, Environmental Science and Rural Extension Management.

Area of Interests: SERICULTURE EXTENSION MANAGEMENT

4. Teaching Responsibilities

19 YEARS OF TEACHING EXPERIENCE IN SERICULTURE.-

CBCS:

SEMESTER	SUBJECT (PAPER)
I	SILKWORM BIOLOGY

II	SILKWORM REARING
III	GRAINAGE AND SEED TECHNOLOGY
IV	MULBERRY PHYSIOLOGY AND BREEDING AND GENETICS
V	SERICULTURE ECONOMICS AND STATISTIC
VI	SERICULTURE ORGANISATION AND MANAGEMENT

CCF:

SEMESTER	SUBJECT (PAPER)
I	GENERAL SERICULTURE AND SILKWORM REARING
II	SILKWORM BIOLOGY
III	SILK PRODUCT SCIENCE
IV	SOIL SCIENCE & AGRICULTURAL CHEMISTRY

5. Publications

a. Research Papers in Journals

- 1) **Sengupta, M.**, Biswas, S., and Saha, S. (2025). Identification of socio-management issues associated with the technology adoption of sericulture farmers of West Bengal, India. *Agricultural Research Journal* (under review).

- 2) **Sengupta, M.**, Biswas, S., and Saha, S. (2024). Assessment of Socio-Personal and Management Factors Affecting Farmer's Income from Sericulture in West Bengal, India. *International Journal of Advancement in Life Sciences Research*, 7(1): 38-44.
- 3) **Sengupta, M.**, Biswas, S., and Saha, S. (2023) Factor and constraints involved in income generation from sericulture: a study in three districts of West Bengal. *Journal of Experimental Agriculture International*, 45(11): 219–228.
- 4) **Sengupta, M.**, Biswas, S., and Saha, S. (2023) Factors Associated in Technology Adoption Among Sericulture Farmers Under Few Districts of West Bengal. *International Journal of Interdisciplinary Organizational Studies*, 18(1): 852–863.
- 5) **Sengupta, M.**, Biswas, S., Mallick, P., and Saha, S. (2023) Influence of Socio-personal and Management Factors to Generate the Knowledge Level of the Farmers Associated with Sericulture of West Bengal, India. *Asian Journal of Agricultural Extension, Economics & Sociology*, 41(2): 47–61.
- 6) **Sengupta, M.**, Biswas, S., Mallick, P., and Saha, S. (2020) Women participation in sericulture activities of south 24 Parganas district, West Bengal: an interim report of an ongoing study. *Journal of Environment & Sociobiology*, 17(2): 53–56.
- 7) **Sengupta, M.**, Raghunath, M.K., Mallick, P. and Ravindran, S. (2017) Effect of different sugar concentration during *in vitro* multiplication of Indian mulberry (*Morus spp.*) genotypes using shoot apex explants. *Bioscience Discovery*, 8(3): 340-345.
- 8) **Sengupta, M.**, Raghunath, M.K., Mallick, P. and Ravindran, S. (2016) Plant regeneration from nodal explant of mulberry (*Morus spp.*) genotypes AGB24 and AGB43 through *in vitro* culture of axillary buds. *Science Research Reporter*, 6(2):109-114.

b. Book chapters

1. IKS in NEP Implementation: Overcoming Barriers for a Sustainable Future.
2. Mallick, P., **Sengupta, M.** (2022) Prospect and Commercial Production of Economically Important Plant Mulberry (*Morus Sp.*) Towards the Upliftment of Rural Economy. In: Gupta, S., Chaturvedi, P. (eds) Commercial Scale Tissue Culture for Horticulture and Plantation Crops.

Springer, Singapore, ISBN: 978-981-19-0055-6, Pp. 219 – 243. https://doi.org/10.1007/978-981-19-0055-6_10.

6. Oral/Poster Presentations

Title	Event	Type (Oral/Poster)	Date	Venue
'Women empowerment through sericulture-based income generation in Murshidabad district of West Bengal: A case study	National Conference on ' <i>Technological Advancement, Innovation and Entrepreneurship Development in Agriculture and Allied Sectors</i> ' organized by ICAR-NAHEP-IG in collaboration with Directorate of Extension Education Uttar Banga Krishi Viswavidyalaya (UBKV)	Poster	16 – 18 th March, 2023	Uttar Banga Krishi Viswavidyalaya (UBKV), W.B.
Role of women participation in cocoon marketing under five blocks of district South 24 Parganas, West Bengal	National Conference on " <i>Biotechnology & Agriculture Based Technological Interventions Towards Sustainable Rural Development – 2020</i> ", organized by the Dept. of Biotechnology, Brainware University	Poster	13 – 14 th March, 2020	Brainware University, W.B.