

CURRICULUM VITAE



PERSONAL DETAILS

Name	Monisha Mitra
Father's name	Chandra Shekhar Mitra
Date of birth	25 th July, 1994
Present address	C/O Chandra Shekhar Mitra, Tea Board, Rauth Bari, Near FDI School, Babupara, Jalpaiguri, Dist.: Jalpaiguri, PIN: 735101, West Bengal, India
Permanent address	C/O Chandra Shekhar Mitra, Village and P.O.: Chhatna, Tehsil: Chhatna, Dist.: Bankura, PIN: 722132, West Bengal, India
Phone number	+91-9836981328
E- mail ID	monisha25.mitra@gmail.com

ACADEMIC QUALIFICATION

Examination/ Degree	Board/ University	Year of passing	Marks obtained (%/ CGPA*)
All India Secondary School Examination	Central Board of Secondary Education	2010	85.50
All India Senior School Certificate Examination	Central Board of Secondary Education	2012	90.50
B.Sc. (Ag) Hons.	Bidhan Chandra Krishi Viswavidyalaya	2016	8.04*
M.Sc. (Ag.) in Genetics and Plant Breeding	Bidhan Chandra Krishi Viswavidyalaya	2018	8.16*

RESEARCH EXPERIENCE

Degree	Research Topic
M.Sc.	<i>Genetic Diversity and Morphological Characterization of Groundnut Germplasms</i> (Supervisor: Asst. Prof. Dr. Saikat Gantait)
Ph.D. (pursuing)	<i>In vitro direct and Agrobacterium rhizogenes-mediated hairy root culture for enhanced forskolin production in Indian coleus (Coleus forskohlii)</i> (Supervisor: Prof. Nirmal Mandal)

RESEARCH SKILLS /TECHNIQUES

Topic	Details
Molecular and Cellular	PCR using molecular markers, cytological studies
In Vitro Culture	Plant organ, tissue and cell culture
Germplasm Storage/Conservation	Alginate-encapsulation/ synthetic seed production
Genetic transformation	<i>Agrobacterium</i> mediated transformation
Microscopy	Stereo Microscopy
Statistical Analysis	SPSS, GenRes, Past3
Computer applications	MS office, Adobe Photoshop

PUBLICATIONS

1. **Mitra M**, Gantait S, Kundu R (2019) Genetic Variability, Character Association and Genetic Divergence in Groundnut (*Arachis hypogaea* L.) Accessions. **Legume Research** (Published Online) [DOI: 10.18805/LR-4123] [IF 0.336] (NAAS 6.23)
2. **Mitra M**, Gantait S, Mandal N (2020) *Coleus forskohlii*: advancements and prospects of in vitro biotechnology. **Applied Microbiology and Biotechnology**, 1-13. [DOI: 10.1007/s00253-020-10377-6] [IF 3.670] (NAAS 9.67)
3. Ahammed, GJ, Gantait S, **Mitra M**, Yang Y, Li X (2020) Role of ethylene crosstalk in seed germination and early seedling development: A review. *Plant Physiology and Biochemistry*. [DOI: 10.1016/j.plaphy.2020.03.016] [IF 3.404] (NAAS 9.40)
4. Gantait, S., **Mitra, M.**, & Chen, J. T. (2020). Biotechnological Interventions for Ginsenosides Production. *Biomolecules*, 10(4), 538.

BOOK CHAPTERS

1. Gantait S, **Mitra M** (2019) Applications of Synthetic Seed Technology for Propagation, Storage, and Conservation of Orchid Germplasms. In: M Faisal, AA Alatar (eds.), **Synthetic Seeds: Germplasm Regeneration, Preservation and Prospects**, Springer Nature Switzerland AG (Online) [ISBN 978-3-030-24630-3] [DOI: 10.1007/978-3-030-24631-0_13]
2. **Mitra M**, Gantait S, (2020) Tissue Culture-Mediated Biotechnological Advancements in Genus Brassica. In: Shabir Hussain Wani, Ajay Kumar Thakur, Yasin Jeshima Khan (eds.), **Brassica Improvement Molecular, Genetics and Genomic Perspectives**, Springer Nature Switzerland AG 2020 (Online) [ISBN 978-3-030-34694-2] [DOI: 10.1007/978-3-030-34694-2]

RESEARCH PAPERS PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES

1. Mitra M, Gantait S, Kundu R, Gunri SK (2018) Morphological Characterization and Association among Yield and Yield-attributing Traits in Groundnut (*Arachis hypogaea* L.). International Conference on “Agriculture and Allied Sciences: The Productivity, Food Security and Ecology” at Farmers' Academy and Convention Centre, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, India 13-14 August, 2018, Organized by Krishi Sanskriti, New Delhi, India and Dept. of Agricultural Extension, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India, pp. 254-255
2. Mitra M, Gantait S*, Kundu R, Gunri SK (2018) Assessment of Genetic Divergence in Advanced Breeding Lines of Groundnut for High Yield and Early Maturity. 1st Farm Innovation Congress, 2018 and National Conference on “Innovative Farming for Food and Livelihood Security in Changing Climate” at Farmers' Academy and Convention Centre, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, India 12-13 January, 2018, Organized by Innovative Farming, Society for Advancement of Agricultural Innovations and AICRP on STCR, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India, p. 106
3. Mitra M, Mandal N, Sarkar S, Bhattacharyya S, Gantait S (2019) High frequency direct organogenesis and evaluation of genetic stability in *Coleus forskohlii* Briqq. International Seminar on “AGRISKILLS FOR CONVERGENCE IN RESEARCH, INDUSTRY & LIVELIHOOD (ACRIL)” At: Farmers’ Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, India

ACHIEVEMENTS/AWARDS

Award	Occasion	Year
Best Poster	Research paper presentation at 1 st Farm Innovation Congress, 2018 and National Conference on “Innovative Farming for Food and Livelihood Security in Changing Climate” at Farmers' Academy and Convention Centre, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, India	2018
National Eligibility Test	ICAR- ASRB NET in Genetics and Plant Breeding	2018
Best Poster	Research paper presentation at International Seminar on “AGRISKILLS FOR CONVERGENCE IN RESEARCH, INDUSTRY & LIVELIHOOD (ACRIL)” At: Farmers' Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, India	2019
Graduate Aptitude Test in Engineering (GATE)	(GATE) in Life sciences	2020

SKILL DEVELOPMENT TRAININGS / WORKSHOPS

- | |
|---|
| 1. Certificate For Participation In Workshop On “Basics Of DNA Sequencing and its application” organised by University Of Kalyani, supported By Department Of Science And Technology (DST), Under DST Purse 2 Program on 18-20 April, 2019 |
|---|

REFERENCES**Dr. Nirmal Mandal**

Professor and Head

Department of Agricultural Biotechnology, Faculty of Agriculture

Bidhan Chandra Krishi Viswavidyalaya

Mohanpur, Nadia, West Bengal, India - 741252

Ph. +91-9432420086, Email: nirman_bckv05@yahoo.com

Dr. Saikat Gantait

Assistant Professor

Crop Research Unit (Genetics and Plant Breeding),

Bidhan Chandra Krishi Viswavidyalaya

Mohanpur, Nadia, West Bengal, India - 741252

Ph. +91-8337076385, Email: saikatgantait@yahoo.com

DECLARATION

I hereby declare that the above particulars are true and correct to the best of my knowledge

A handwritten signature in black ink that reads "Monisha Mitra". The signature is written in a cursive style with a checkmark-like flourish at the beginning.

Place:

Date:

(MONISHA MITRA)