

Dr. Swarnendu Mondal

Personal details:

Date of birth: 7 th May 1983

Name of parents: Father - Mr. Debasis Mondal; Mother- Minati Mondal

Address:

(a.) Present: Oasis Apartment, 3rd floor. Near Borehaat Kali Mandir

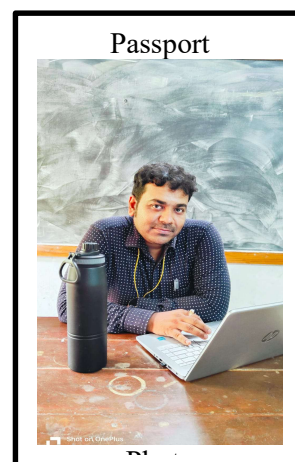
(b.) Permanent: S/O- Debasis Mondal, P.O.- Sainthia; Monosapally; Dist.-
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Religion: Hindu

Nationalism: Indian



Academic profile:

Academic Qualifications:

Degree	Institute	Year of passing/ award
Ph.D. (Botany)	Visva-Bharati, Santiniketan	2021
M.Sc. (Botany) Specialization: Plant Physiology, Biochemistry and Molecular Biology)	Visva-Bharati, Santiniketan	2005
B.sc. (Botany)	Suri Vidyasagar College (The University of Burdwan)	2003
H.S.	Sainthia High School, Birbhum	2000
Secondary Examination	Sainthia High School, Birbhum	1998

Qualification	Conducted by	Year of Qualifying
CSIR-UGC NET (Life Science)	UGC-HRDC	2007
GATE(Life Science)	IIT, Kanpur	2007
GATE(Life Science)	IIT, Kharagpur	2006

Research Profile:

I have experience in the field of Ethnobotany and Pharmacognosy starting from 2009. I have Completed Ph.D. research in 2020 under the supervision of Prof. Dr. C.H.Rahaman , Ethnopharmacology Div. Dept. of Botany Sikha Bhavana, Visva-Bharati ,Santiniketan [Thesis Title: . Studies on Tradional Phytotherapies practiced among the tribals in the border areas of Dumka(Jharkhand) and Birbhum(West Bengal)) districts with reference to pharmacohnostic investigation]. I was awarded with Ph.D. degree in 2021.

Research Projects, if any (Provide details – Ongoing/Completed): Completed UGC Sponsored Minor Research Project for Rs. 3 Lakhs.

ORCID ID: <https://orcid.org/0000-0002-6218-3290>

Paper Presentation details (State, National and International Level):

- a. *A Contribution to the ethnomedicinal uses of plants by the tribal people of border areas of Birbhum district, West Bengal and Dumka district, Jharkhand'* in XIX Annual Conference of Indian Association for Angiosperm Taxonomy & International symposium on Angiosperm Systematics & Phylogeny: Retrospects& Prospects held during 12-14th Nov.2009 in CSIR-NBRI ,Lucknow,India.
- b. *'An observation on the phytotherapeutic uses of plants by the tribal people of some forest areas of Birbhum district, West Bengal and Dumka district , Jharkhand,India'* in XI International conference of International Organization for Plant Biosytematists on 'Evolution of plants from tropical to high mountain ecosystem:Focus on Asia, organized by in B.A.M University, Aurangabad held during 2nd -4th Sept.2010.
- c. *'Traditional phyto remedies for gynaecological disorders practised among the rural people of Birbhum district of West Bengal and Dumka district of Jharkhand in India'* presented in UGC Sponsored National Seminar on Challenges of Biology in the 21st Century in MUC Women's College,Burdwan held during 1st -2nd Dec.2011.
- d. *Botany, ethnobotany and conservation aspects of Euphorbia fusiformisBuch.-Ham ex D.Don. – a promising ethnomedicinal herb'* presented in National Symposium on Plant diversity and Resources:Evolution , analyses , stress and challenges and paleophytodiversity:its aspects and

prospects ' organised by Botanical Society of Bengal and Department of Botany, Calcutta University held during 22th – 22nd Dec. 2011.

- e. *Taxonomy and New distribution record of *Jatropha nana* Dalzell and A. Gibson (Euphorbiaceae) from Eastern India* presented in the International symposium and XXII annual conference of Indian Association for Angiosperm Taxonomy on 'Innovative Prospects in Angiosperm Taxonomy' organized by Department of Botany, S.G.B Amravati University, Amravati, Maharashtra, India during 28- 30th Oct. 2012.

Seminar/Conference/Professional development programme attended:

- a. XIX Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) during 12th -14th Nov. 2009 in NBRI, Lucknow.
- b. National symposium on 'Advances in Plant Sciences, Agri- Biotechnology and Food Security' In Visva- Bharati, Santiniketan on 10th April, 2009.
- c. XI International conference of International Organization for Plant Biosystematists (IOPB) in B.A.M University, Aurangabad Maharashtra, during 2nd -4th Sept. 2010.
- d. 'Plant Explorations, Herbarium Techniques and Calcutta University Herbarium (CUH)' during 10th – 12th March, 2011 at Dept. of Botany, Calcutta University.
- e. UGC Sponsored National Seminar on 'RabindraParabarti Bangla Kabitarpalabadal ' on 8th Sept, 2011 in M.U.C Women's College, Burdwan.
- f. UGC Sponsored Workshop on 'Medicinal Plants – Biodiversity, Sustainable Utilization and Cultivation' during 14th – 15th Jan, 2012 in Department of Botany, Visva-Bharati.
- g. XXII annual conference of Indian Association for Angiosperm Taxonomy on 'Innovative Prospects in Angiosperm Taxonomy' organized by Department of Botany, SHB Amravati University, Amravati, Maharashtra, India during 28- 30th Oct. 2012.
- h. UGC sponsored national seminar on 'Frontier in Chemistry 'organized by the Department of Chemistry, M.U.C Womens College, Burdwan, India. during 4th – 5th Dec, 2013.
- i. National Workshop on 'Botanical Identification & Evaluation of Indian medicinal Plants organized by School of Natural Product Studies, Jadavpur University, Kolkata. During 20-26th Nov., 2013.
- j. Presented paper in UGD-SAP Sponsored National Seminar on Plant and Microbes: Diversity and Utilization organised by the Department of Botany, Visva-Bharati, Santiniketan from 19-20 March, 2016.

- k. Presented paper entitled “ Medicinal uses of Plants practiced among the tribals in Birbhum district , West Bengal , India. In the International Conference on Novel Approaches in Life Sciences, held on 8- 9 th April, 2022. Organized by Dept of Botany, Gurunanak Khalsa College of Arts , Science and Commerce, Mumbai.
- l. Presented paper entitled “ Applying ethnobotanical indices in framing conservation concern of medicinal plants: A case study from West Bengal, India , “ in Biospectrum 2022: International conference on Biotechnology and Biological sciences , on 5- 7 th Nov., 2022.
- m. Presented paper entitled “ Documentation of some new ethnomedicines used by local people of the Birbhum district, West Bengal. In National seminar on A Glimpse of Plant Science on 17th march 2023 organized by Ramananda Centenary College, Purulia.
- n. Presented paper entitled “Documentation of some new ethno-hetbal formulations with reference to..... West Bengal”, in International Conference on Life and Environment: Issues and Concern on 9th March 2023. Organized by Dept. of Botany, Vivekananda Mahavidyalaya, Bardhaman.

Awards/Recognition/ Honour, if any Awarded with Best poster presentation in UGC-SAP-DRS sponsored National seminar on ‘Plant and Microbe: Diversity and Utilization’ organized by Department of Botany, Visva-Bharati University, Santiniketan, during 19-20 March, 2016.

Proceeding Publications:

- 1) **Swarnendu Mondal** & Chowdhury Habibur Rahaman (2013). Traditional phyto-remedies for gynaecological disorders practised among the rural people of Birbhum district of West Bengal and Dumka district of Jharkhand in India. Proceedings of the seminar on Challenges of Biology in 21st Century, Levant Books publication (ISBN: 978-9380663- 66-1). Pages:113-119.
- 2) **Swarnendu Mondal** & Sunanda Chatterjee (2017). Pharmacognostic standardization and Antimicrobial screening of *Euphorbia fusiformis* Buch.- Ham. Ex D. Don (Euphorbiaceae). Proceedings of the UGC-sponsored National seminar on Plants, the natural wonder: issues and concerns, organized by the Dept. of Botany, Sonamukhi College, Bankura, ISBN:978- 93-85775-06-2.

Journal Publications:

- 1). C.H Rahaman & **Mondal Swarnendu** (2012). Morphological and ethnomedicinal consideration of *Euphorbia fusiformis* Buch.-Ham. ex D.Don : Some new observations from district Birbhum , West Bengal, India. International Journal of Research in Ayurveda & Pharmacy, 3(1): 113-116. ISSN(online):2229-3566; ISSN: (Print) 2277-4343. IC Value 2014: 7.89 SNIP 2014 = 0.235. 2)
- 2). **Swarnendu Mondal** & Chowdhury Habibur Rahaman(2012). Phytotherapeutic uses of plants by the tribal and non- tribal people of Birbhum district of West Bengal and Dumka district of Jharkhand in India ,Indian Journal of Traditional Knowledge ,11(4): 674-679.(Impact Factor[JCR, 2016]: 1.273).
- 3) Chowdhury Habibur Rahaman & **Mondal Swarnendu** (2012). A new variety of *Jatropha nana* Dalzell & A.Gibson (Euphorbiaceae) from West Bengal, India. Indian Journal of Forestry, 35(4):477-480.
- 5) **Swarnendu Mondal** (2015). *Euphorbia fusiformis* Buch.-Ham. ex D.Don var. *fusiformis* (Euphorbiaceae): A new distribution record for the state of Jharkhand, India. Journal of Today's Biological Sciences: Research & Review, 4(1):1-6. Cosmos IF: 2.968 (2015)
- 6) **Swarnendu Mondal** & C.H.Rahaman(2015). New record of *Jatropha nana* var. *bengalense* C.H.Rahaman & S.Mondal (Euphorbiaceae) for the state of Jharkhand,India.Journal of Non-Timber Forest Products,22(1):17-20. 7) C.H. Rahaman, B. Pradhan & **Swarnendu Mondal**(2015). New Record of *Eulophia explanata* Lindl. (Orchidaceae) for the state of West Bengal, India. Indian Forester, 141(8).
- 9) **Swarnendu Mondal** (2017). *Tylophora hirsuta* Wight (Apocynaceae) – A new addition to the flora of Dumka district, Jharkhand, India. Int. J. of Innovative Sc., Eng. & Tech., 4(6): 335-337.ISSN: 2348-7968.
- 10) **Swarnendu Mondal** & C.H.Rahaman(2020). Studies in pharmacognostic characters of the climber *Erycibe paniculata* Roxb. of Convolvulaceae. J. Medicinal Plant Studies, 8 (2): 112-125.
- 11) **Swarnendu Mondal** & Nayan Roy(2022). Pharmacognostic and Phytochemical Evaluation of Leaf of *Jatropha nana* var. *bengalense* C.H. Rahaman and S. Mondal: An Endemic Member of Euphorbiaceae. Pharmacogn Res. 2022; 14(2):204-210.
- 12) **Swarnendu Mondal** & N.P. Balakrishnan (2022). A review on Taxonomy, ethnobotany and conservation aspects of *Euphorbia fusiformis* (Euphorbiaceae): A review. Journal of Economic and Taxonomic Botany, 46(3-4): 111-120.
- 13) **Swarnendu Mondal** & Kasturi Chakrabarty(2022). Griffith's *Geodorum* – The Nodding Orchid. ENVIS Newsletter, 27(2): 3. 4
- 14) **Swarnendu Mondal**, Charkrabary K, Chakrabarty S. et al. 2023. *Geodorum laxiflorum*

(Orchidaceae) relectotyped. *Nordic Journal of Botany* 2023: e03908: 1-7.

15) **Mondal S.**, Pradhan B., and Rahaman C.H. 2023. *Biophytum sensitivum*- The Wild Touch-Me-Not. *EIACP NEWSLETTER* 28(1).

16) Bhattacharjee A., Bandyopadhyay S., Chakrabarty K., Sardar S., **Mondal S.**, Chakrabarty S. & Sarkar, S. 2023. Nomenclatural consequences of some new combinations and replacement of names in *Eulophia* (Orchidaceae: Eulophiinae). *Rheedea* 33(3): 215-216.

17) B.Pradhan, **S.Mondal** and C.H.Rahaman. 2024. *Crotalaria verrucosa* L.: The Blue Flowered Rattlepod. *EIACP Newsletter (BSI)*,28(4):3

18. **Swarnendu Mondal** and Pradyut Das. *Gynura procumbens* – The Longevity Spinach. (Accepted in *EIACP Newsletter*, BSI, in press)

19. **Swarnendu Mondal**, Samik Hazra and C.H.Rahaman. 2024. A Review on Phytochemistry, Pharmacology and Toxicology of *Euphorbia fusiformis* and in silico bioactivity prediction studies of its selective bioactive compounds. Communicated in the *Journal Phytochemistry Reviews* (Springer Nature).

No. of Citations:

49 (google scholar citation index upto June, 2024)

H-index: 2

i10 –index: 1

Research expertise and interests:

Past Research program: Worked on the tribal medicine and pharmacognosy of some medicinal plants of Dumka district (Jharkhand) and Birbhum district (West Bengal).

Present Research interests and future plan:

Broad area of his research is Ethnobotany and pharmacognosy of medicinal plants. His keen interest is in Plant Taxonomy, Bioprospection & Conservation of important, rare and endangered medicinal plants.

Present focus of his research is ethnomedicinal plants of Dumka district (Jharkhand) and Birbhum district (West Bengal) with quantitative and ethnopharmacological approaches and ethnopharmacological validation. Broadly, the twin area of interests of his research laboratory are:

- Studying the culture and associated uses of medicinal plants among the tribals with quantitative ethnobotanical approach and bioprospecting.

- Studying the biodiversity conservation using statistical techniques and exploration of floras.

Editorial Board member of Journals:

Section Editor, Ethnobotany Research and Applications, Georgia (since 2023);

Section Editor, Research & Reviews: Journal of Botany

Section Editor, Research & Reviews: A Journal of Life Science

Section Editor, Research & Reviews: Emerging Trends in Metabolites

Recognized Reviewer of the Journals:

Journal of Sustainability and Environmental Management (JOSEM)
[Kathmandu, Nepal],

Ethnobotany Research and Applications(Georgia),

Ethnobiology Letters (Under the Society of Ethnobiology,
Washington, United States),

Journal of Ethnopharmacology (Netherlands),

Plant Science Today(Horizon Publication, India),

Journal of Economic and Taxonomic Botany(Scientific Pub. India)

Professional Experience

Teaching experience:

(a.) 14 Years (2010 to till date) as Assistant Professor of Botany in M.U.C. Women's College, Purba Bardhaman

(b.) 4 years (2006 to 2010) as Assistant Teacher of Life Science in Bonha Obedia High School, Birbhum

Invited Lectures/ Resource person, if any: Delivered an Invited Talk in AYUSH Sastho Mela organized by AYUSH, Govt. of West Bengal (Department of Health and Family Welfare) on 4th Jan., 2024

Refresher Course/Orientation Programme/Short Term Course attended:

1. UGC Sponsored Orientation Programme organized by UGC-HRDC, Burdwan University from 1st March 2016 to 28th March, 2016.
2. UGC Sponsored Refresher Course in Biological Sciences, organized by UGC-HRDC, North Bengal University from 26 Aug, 2016 to 15 Sept., 2016.
3. UGC Sponsored Refresher Course in Environmental Sciences, organized by UGC-HRDC, Burdwan University from 9th Feb., 2021 to 22nd Feb., 2021.
4. UGC Sponsored Refresher Course in Emerging Dimensions in Biological Sciences, organized by UGC-Malaviya Mission Teacher Training Centre, North Bengal University from 24 Nov., 2023 to 08 Dec., 2023.

Academic Leadership (Head/Convener/ Coordinator, etc):

- a. **Headship:** Head of the Department 2020-2022
- b. **Convener:** Organized International Seminar on Bioresources: uses and sustainable management on 9th and 10th February, 2024 as convener, sponsored by Anthropological Survey of India.

Members on different committees within college: Green Audit Committee (IQAC), Gardening and Plant Protection Committee, Laboratory Committee, College Journal Committee.

Area of interest in teaching: Bryology, Plant Pathology, Taxonomy, Biodiversity, Conservation, Natural Resources, Ethnobotany, Economic Botany, Plant Physiology

Member on editorial board/Advisory Board:

Member of Global Research Institute and Training Center, Kathmandu, Nepal (since 2023)

Life Member of Indian Science Congress Association (Kolkata)

Life member of Indian Association for Angiosperm Taxonomy (IAAT)

