

Curriculum Vitae of Swarnendu Mondal

Name : SWARNENDU MONDAL

Date of Birth : 7th May, 1983

Designation : Assistant Professor

Department : Botany

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Academic Qualification : M.Sc. in Botany

Area of Specialization : Plant Physiology, Biochemistry and Molecular Biology

Teaching experience : Secondary- 4 years
UG- 7 yrs

Honours and Awards : 1. Qualified in the 6th RLST conducted by West Bengal School
Service Commission (WBSSC, 2005)
2. Qualified in the CSIR UGC NET , 2007
3. Qualified in the GATE, 2006 and 2007

Research experience : 8 years

Publications : Papers in peer reviewed journals- 6
Papers in proceedings -2



Sponsored research Projects :

Sl. No.	Title of the Project	Name of the funding Agency	Minor/Major	Reference number
1	Studies on Ethnobotany and Conservation Priorities of some medicinal plants in the border areas of Birbhum district (West Bengal) and Dumka district(Jharkhand) with reference to their pharmacognostic and antimicrobial screening	University Grants Commission (ERO)	Minor	F.PSW-022/13-14(ERO) dated March 18, 2014

Membership of Academic Society:

- Life Member of Indian Science Congress Association (ISCA)
- Life member of Indian Association for Angiosperm Taxonomy (IAAT)
- Member of Society For Ethnopharmacology(SFE, India)

Membership of Editorial boards:

- Member of the editorial board of *Journal of Today's Biological Sciences: Research & Review (JTBSRR)*. Open access ISSN 2320-1444 (Online)
- Editorial board member of the *Proceedings of the seminar on Challenges of Biology in 21st Century*, Levant Books publication (ISBN: 978-9380663- 66-1).

List of 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.
- 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:0.371).
- 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.
- 4) **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.

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.

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) Chowdhury Habibur Rahaman , Bandana Pradhan , **Swarnendu Mondal** (2015). New Record of *Eulophia explanata* Lindl. (Orchidaceae) for the State of West Bengal, India, 141(8).

8) Swarnendu Mondal & **Sunanda Chatterjee** (2017). Pharmacognostic standardization and Antimicrobial screening of *Euphorbia fusiformis* Buch.-Ham. Ex D.Don (Euphorbiaceae). Poceedings of the UGC-sponsored National seminar on *Plants, the natural wonder: issues and concerns*, organized by the Dept. of Botany , Sonamukhi College, Bankura(**In press**).

Patent, recognistion or any other achievement/s or information

- Described a plant species of the family Euphorbiaceae (*Jatropha nana* var. *bengalense* C.H.Rahaman & S.Mondal) from West Bengal which is a first record from Eastern India.
- Recognised as Reviewer of the journal *Ethnobiology Letters* (Under the Society of Ethnobiology, Wasington, United States).
- 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.

Research activity:

- **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.

Present focus of his research is ethnomedicinal plants of Dumka district (Jharkhand) and Birbhum district (West Bengal) with quantitative and ethnopharmacological approach. Broadly, the twin areas 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 with new techniques and exploration of floras for new species.

Orientation Programme and Refresher Courses done:

- Participated in 103rd OP from 1st March 2016 to 28th March 2016 organised by the UGC-HRDC, The University of Burdwan.
- Participated in RC in Biological Sciences from 26th August to 15th September 2016 organised by UGC-HRDC, University of North Bengal.

Papers presented in conferences / seminar / workshop:

- '*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.
- '*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 Biosystematists 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.
- '*Traditional phytoremedies 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.
- '*Botany, ethnobotany and conservation aspects of Euphorbia fusiformis Buch.-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.

- *'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.
- 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.

Seminar/Conference /Workshop attended:

- ✚ XIX Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT)during 12th -14th Nov.2009 in NBRI ,Lucknow.
- ✚ National symposium on 'Advances in Plant Sciences,Agri- Biotechnology and Food Security' In Visva- Bharati,Santiniketan on 10th April,2009.
- ✚ XI International conference of International Organization for Plant Biosystematists(IOPB) in B.A.M University, Aurangabad Maharastra, during 2nd -4th Sept.2010.
- ✚ 'Plant Explorations, Herbarium Techniques and Calcutta Univrsity Herbarium(CUH)' during 10th – 12th March,2011 at Dept. of Botany,Calcutta University.
- ✚ UGC Sponsored National Seminer on 'RabindraParabarti Bangla Kabitarpalabadal ' on 8th Sept,2011 in M.U.C Women'sCollege,Burdwan.
- ✚ UGC Sponsored Workshop on 'Mdicinal Plants – Biodiversity ,Sustainable Utilization and Cultivation' during 14th – 15th Jan,2012 in Department of Botany , Visva-Bharati.
- ✚ 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.
- ✚ UGC sponsored national seminar on 'Frontier in Chemistry 'organized by the Department of Chemistry , M.U.C Womens College,Burdwan,India. during 4th – 5 th Dec, 2013.
- ✚ National Workshop on 'Botanical Identification & Evaluation of Indian medicinal Plants organized by School of Natural Product Studies, JadavpurUniversity,Kolkata. During 20-26th Nov.,2013.
- ✚ Participated in the workshop on Statistical Techniques used in Research organised by Department of Statistics, The University of Burdwan from 16-19 February, 2016.
- ✚ Participated in the One Day National Level Faculty Development Program on Python & Latex organised by the Department of Computer Science, M.U.C Women's College, Burdwan on 3rd February , 2017.
- ✚ Participated in State Level Seminar on Community Nutrition & Health : 21st Century Perspective , organised by the Nutrition Department , M.U.C Women's College, Burdwan on 4th February , 2017.

Professional experiences :

- ✓ 4 years (2006-2010) in Bonha Obedia High School as Assistant Teacher of Biology, Birbhum,W.B.
- ✓ Participated as Key Resource Person (KRP) in the Workshop to enhance the quality of Teaching – Learning system organised by West Bengal Board of Secondary Education on 5.11.08 - 9.11.08 at Robichayya, Bolpur, Birbhum.
- ✓ 7 years in MUC Women's College as an Assistant Professor of Botany(full time).
- ✓ Examiner of University examination at College and Under Graduate level.