

KASHIPUR MICHAEL MADHUSUDAN MAHAVIDYALAYA

(PERSONAL PROFILE)

Name: **Bubai Bera**

Designation: **Assistant Professor**

Date of Joining: **20 Aug 2019**

E-mail: **bbera568@gmail.com**



Educational Qualification:

1. Graduation: B.Sc. (Hons.) in Botany: Jhargram Raj College, Jhargram, 2013
2. Post-graduation: M.Sc. in Botany, Vidyasagar University, Midnapore, 2015
3. M.Phil / Ph.D. Ongoing Ph.D in Botany from October, 2016, Vidyasagar University

State Level / National / International Conferences / Seminars / Workshops / Webinar Attended:

A) Paper Presentations in Seminars / Conferences / Webinars

1. Oral presentation on the topic “Distribution pattern and flowering phenology of *Canscora decussata* Roem. & Schult. : An important medicinal plant of tropics” in the UGC sponsored national seminar on ‘Plant and microbes in human welfare and sustainability’ (NSPM - 2017) organized by Department of Botany, Midnapore college.
2. Poster presentation on the topic “Flowering Phenology & Floral Display Size of *Canscora decussata* Roem & Schult: An Important Medicinal Plant of Tropics” in Two days National Seminar on ‘Trends in Contemporary research in Plant Science’ (TCRPS - 2018), organized by Dept. of Botany and Forestry, Vidyasagar University.
3. Poster presentation on the topic “Breeding System and Pollination of *Canscora decussata* Roem & Schult. : A threatened medicinal plant of tropics in two days national seminar on ‘Interdisciplinary Approach of Research in medicinal plants (IARMP-2019)’ sponsored by UGC-DRS-SAP-II and DST, New Delhi, organized by Dept. of Botany and Forestry, Vidyasagar University.
4. Oral presentation on the topic “Studies in the Reproductive Ecology of a Threatened Medicinal Plant *Canscora Decussata* (Roxb.) Roem & Schult in Tropics” in the 21st National Conference on Aerobiology (NCIAS-2019), Organized by Department of Botany, Visva-Bharati, Santiniketan

B) Participation in Seminars / Conferences / Training Programmes / Workshop / Webinars

1. International webinar on “Trends in Sustainability: Regenerative Agriculture”, organized by Department of Botany, Maharana Pratap PG College, Junglenduhsar, Gorakhpur, UP in collaboration with Dept. of Botany, Prabhat Kumar College, Contai, WB
2. International conference cum webinar on “Research Frontiers and Prospects in Bioscience and Biotechnology” , organized by P.G. Department of Biosciences and Biotechnology, Fakir Mohan University, Balasore, Odisha, India on 28th & 29th July 2020
3. Webinar on “Celebration of Biodiversity: Solution are in Nature”, organized by Sidho-Kanho-Birsha University, Purulia, W.B. on 5th June, 2020
4. International webinar on “Mountaineering: A journey of Excitement and Adventure”, organized by Mountaineer Ravikumar foundation of India on 5th July 2020
5. National webinar on “Impact of Lockdown due to COVID-19 on Forest and Environment in India”, organized by Department of Forestry, Government Kaktiya PG College, Jagdalpur (Bastar) C.G. on 29th June 2020
6. National webinar on “Research Ethics an Academic Integrity”, jointly organized by Government Degree College, Gosaikheda, Unnao, Uttar Pradesh and Government Kaktiya PG College, Jagdalpur, Bastar, Chhattisgarh on 9th June 2020
7. National webinar on “Relevance of Scientific Values in Fighting the Pandemic COVID-19”, organized by Department of Chemistry, Saroj Lalji Mehrotra Faculty of Science on 5th June 2020
8. Webinar on “Research Paper Development for Quality Journals”, organized by Chalk & Talk Foundation on 14th June 2020
9. Webinar on “Herbal Nutritional Supplements for Immunity Development against Covid-19”, organized by Mahatma Gandhi Chitrakoot Gramodaya Mahavidyalaya, Chitrakoot, Satna (M.p.) on 27th May 2020
10. Webinar on “Foster Biodiversity Nurture Nature”, organized by Department of Botany, Adikavi Nannaya University on 5th June 2020
11. National E-conference on “Interdisciplinary Research in Science and Technology” organized by Amiruddaula Islamia Degree College, Lucknow (U.P.), India on 30th & 31th May 2020
12. National E-conference on “Research in Interdisciplinary Studies” organized by Government College of Education (CTE), Akola (Maharashtra) on 9th June 2020
13. National webinar on “Online Teaching: Challenge and Solution amidst COVID-19”, organized by Basudev Memorial Girls Degree College, Lucknow on 31st May 2020
14. National webinar on “Crosstalk between Ethnobotany and Immunology: A fight against COVID-19”, organized by Department of Botany and Physiology in association with IQAC, Prabhat Kumar College, Contai, W.B. on 5th June 2020
15. National webinar on “Human, Health and Herbs-3H”, organized by Mahila Vidyalaya Degree College, Aminabad, Lucknow on 30th May 2020
16. National webinar on “Pedagogy of Teaching and Learning amidst COVID-19 Pandemic”, organized by Bappa Sri Narain Vocational Post Graduate College (KKV), Lucknow, U.P. on 17th May 2020

17. National webinar on “Recent Trends in Biological Sciences” organized by Sree Narayana Guru College, Coimbatore on 21st & 22nd May 2020
18. National webinar on “Teaching with Technology”, jointly organized by IQAC of vBhava’s Hazarimal Somani College of Arts and Science and Jayaramdas Patel College of Commerce & Studies and Maharashtra College of Arts, Science and Commerce on 30th May 2020
19. Webinar on “Seaweed Biodiversity of India: Current Knowledge-base and Identifying Gaps, Challenges, and Opportunities”, organized by Annakkili Amma Research Institute (AARI), Madipakkam, Chennai on 16th May 2020
20. One week online interdisciplinary Certificate Course on “Basics of Organic Farming”, organized by department of Botany and IQAC, Athalye-Sapre-Pitre College, Devrukh (Autonomous), on 24th May 2020
21. International Symposium on “Biotechnological Potential of Mushroom: An Emerging approach to Fight against COVID-19”, organized by department of Biotechnology, Sri Guru Tegh Bahadur
22. National webinar on “Maintaining the Academic Interest of Teachers and Students: During and after Lockdown”, organized by Department of Education, Shri Jai Narayan Mishra PG College, Lucknow on 16th May 2020
23. National online workshop on “Research Ethics and Plagiarism Control”, organized by Anna Leela College of Commerce and Economics Shobha Jayaram Shetty College for BMS, IQAC and Research Cell in association with Department of Lifelong Learning and Extension (D.L.L.E) on 15th May 2020
24. National webinar on “Plant for Immunity Boosting and Health Care”, organized by Department of Botany GES’s arts, commerce and science college, Jawhar, Dist. Palaghar on 11th May 2020
25. Webinar on “Biodiversity Conservation: Our Solution are in Nature”, organized by Dayanand Girls’ College, Kanpur on 22nd May 2020
26. Webinar on “Role of Ecology in Sustainable Development”, organized by Department of Environmental Science, Amity University, Gwalior on 15th May 2020
27. 3 days national level workshop on “Research Methodology, Statistical Technique & Data Analysis using MS Excel”, organized by Tilak College of Science and Commerce, Vashi, Navi Mumbai on 18th, 19th and 20th May 2020
28. National webinar on “Relevance of Online Education in COVID-19 pandemic”, organized by Department of Teacher Education, Sri. LBS Degree College, Gonda on 17th May 2020
29. Webinar on “10 Favourite Trees by Donald Hodel” California on 21 May 2020
30. Two days national level workshop on Advanced Nanotherapeutics; Small science. Big impact, organized by School of Life science, Uluberia College, Uluberia, Howrah.
31. UGC sponsored two day national workshop on ‘Beekeeping: Aspect & Prospect, 6th & 7th June 2019, organized by community college centre, Vidyasagar University
32. Webinar on “Recycling Waste: Management in Theory and Practice” jointly organized by SAP Unit, Department of Botany & IQAC, Kashipur Michael Madhusudan Mahavidyalaya, Purulia, West Bengal on 1st August 2020
33. UGC-Sponsored Faculty Induction Program (03.08.2021-06.09.2021), organized by Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

List of Research Papers published in National / International Journals / Books / Conference Proceedings with ISBN / ISSN / Impact Factor:

A) Books:

1.

B) Journals:

1. Floristic Composition and Pollen Morphology of Nayachar: A Newly Developed Estuarine Island of West Bengal, India. G.J.B.B., Vol. 7(2)2018: 209-219
2. Specialized metabolites contributing to colour and scent volatiles in *Uvaria hamiltonii* flowers. Natural Product Research, Taylor & Francis. DOI: 10.1080/14786419.2019.1610959
3. Assessment of yield enhancement in cashew (*Anacardium occidentale* L.) by the pollinator sharing effect of magnetic bee-friendly plants in India. *Acta Ecologica Sinica*, 41(3), 243-252. <https://doi.org/10.1016/j.chnaes.2021.05.003>

C) Conference Proceedings:

1.

Awards and Recognition:

1. CSIR Senior Research Fellow (SRF) awarded by the Council of Scientific and Industrial Research (CSIR), New Delhi, India in 2017
2. Qualified CSIR-UGC NET in 2016 (June) with AIR 61 and 2016 (December) with AIR 105
3. Qualified WBSET in 2019

Areas of Specialization in Research / Teaching:

A) Specialization in Teaching: Ecology and Biodiversity, Taxonomy, Anatomy and Morphology, Genetics & Molecular Biology, Plant Physiology

B) In Research: Reproductive Ecology, Floral Biology, Pollination Biology, Pollination ecology, Plant Reproduction

Teaching:

1. Theory:

1st Semester – Microbes & Archegoniate

2nd Semester – Plant Taxonomy, Environmental studies

3rd Semester – Plant Embryology

4th Semester – Plant Metabolism

5th Semester – Biotechnology, Ethnobotany

6th Semester – Plant Genetics, Nursery and Gardening

Theory – AECC (ENVS), Biodiversity and its Conservation

2. Practical:

1st Semester – EMs/Models of viruses, Types of Bacteria, Gram Staining, Marchantia, Selaginella, Funaria, Equisetum

2nd Semester – Plant Taxonomy

3rd Semester – Plant Embryology

4th Semester – Plant Metabolism

5th Semester – Biotechnology

6th Semester – Plant Genetics

- 3. Excursion / Field Survey:** a.) Local field survey at Sericulture Centre, Kashipur, Purulia, W.B.
b.) Botanical Excursion to Digha, West Bengal and its associated region
c.) Local taxonomical field study at Kashipur, Purulia, W.B.

Invited Lecture / Foreign Visit:

1.

Other Academic Activities:

1. Board of Studies:

2. Course Design:

- 3. Paper Setter:** a.) Paper setter of Botany (Hons), SEC-1, BBOTSEHT305
b.) Paper setter of Botany (PROG CC), BBOTCCRC101
c.) Paper setter of Botany (PROG), BBOTCCRC1, DSE 1
d.) Paper setter of Botany (Hons), BBOTSEHT 405
e.) Paper setter of Botany (PROG), BBOTCCRC 201
f.) Paper setter of Botany (PROG), BBOTDSRC 3, DSE 3
g.) Paper setter of Botany (PROG), BBOTSERT304
h.) Paper setter of Botany (PROG), BBOTSERT504
i.) Paper setter of Botany (PROG), BBOTCCRC101

Organizing Secretary and organizing committee member of different International, National and State level webinar

Administrative Activities:

- 1. Working committees –**
 - a.) Admission Committee
 - b.) Research & Conference Committee
 - c.) Website Committee
 - d.) Time Table and Academic Calendar
 - e.) Scholarship & Freeship

Associated with Learned Bodies / Association / Society / Organization:

1. Contributor to 'Flowers of India' webpage.
2. Members of eflora of india – Google group for plants of India
3. Life Member – Vidyasagar University Alumni Association
4. Picture contributor to Book "Major Flowering Trees of Tropical Gardens", published by Cambridge University Press.
5. Naming of plants at Chilkigarh Kanak Durga Temple Forest – A Biodiversity Heritage Site of India
6. Life member of Indian Pharma Educational Society (IPES)