

CURRICULUM VITAE

Dr. Samiran Panday [M. Sc. (Botany), Ph. D.]

Assistant Professor (Stage-II)

Department of Botany

Budge Budge College

7-DBC Das Road, Budge Budge, 24 Parganas (S)

Kolkata -700137, West Bengal, India

e-mail: drsamiranpanday@gmail.com

ORCID id: 0000-0003-4647-8010

Web Pages:

Researchgate: https://www.researchgate.net/profile/Samiran_Panday2

Google Scholar: https://scholar.google.com/citations?hl=en&user=aFI0_KYAAAAJ

Linkedin: <https://www.linkedin.com/in/dr-samiran-panday-86935926a/>



Name:	Dr. Samiran Panday
Father's Name:	Shri Sadananda Panday
Gender:	Male
Religion:	Hindu
Nationality:	Indian
Linguistic Abilities:	Bengali, Hindi & English

➤ ACADEMIC QUALIFICATION:

Education / Degree	Board / University	Year of passing
Secondary Examination (10th)	West Bengal Board of Secondary Education (WBBSE)	2003
Higher Secondary Examination (12th)	West Bengal Council of Higher Secondary Education (WBCHSE)	2005
B. Sc. in Botany	University of Calcutta [College: Rishi Bankim Chandra College, Naihati, West Bengal]	2008
M. Sc. in Botany [Special paper: Taxonomy and Biosystematics]	University of Calcutta [College: Scottish Church College, Kolkata, West Bengal]	2010
Ph. D. in Botany	Title of the Thesis: "Flora of Phawngpui (Blue Mountain) National Park, Mizoram" Submitted on 08.03.2016; Awarded on 16.05.2017. From: Vidyasagar University, Midnapore, West Bengal.	

➤ **FELLOWSHIP AWARDED:**

► Selected as Junior Research Fellow (JRF) in 2010, under the Central Government Fellowship scheme “**Flora of India Project**” of **Botanical Survey of India, Kolkata**.

RESEARCH EXPERIENCE:

Name of Employer & work place	Project name & Position	Period of employment		Nature of duties / works
		From	To	
Botanical Survey of India (Eastern Regional Centre), Shillong, Meghalaya	Project name: “Flora of Phawngpui Blue Mountain Peak, Mizoram” . Position: JRF (2 years) & SRF (3 years)	08-10-2010	08-10-2015	Field survey, collection of vascular plants, conservation of rare, endangered, threatened (RET) plants, identification, herbarium processing, ethno botanical data collection, listing of economically important plants, report preparation and research based publication.
Botanical Survey of India, Central National Herbarium (CNH), Howrah, West Bengal	Project name: “Biodiversity assessment through long term monitoring plots in Indian Himalayan landscape” Position: Project Fellow	06-06-2016	14-12-2018	Field survey in Indian Himalayan Landscape (Arunachal Pradesh), collection, identification of plants, ethno-botanical data collection, listing of economically important species, biodiversity assessment through long term monitoring plots, herbarium processing, report preparation and research based publication.
Botanical Survey of India (Sikkim Himalayan Regional Centre), Gangtok, Sikkim	Project name: “Systematics and conservation of Indian Orchids with special emphasis to Himalayan species” . Position: Research Associate-I	17-12-2018	23-08-2019	Field survey in Sikkim, collection of orchid species, identification, taxonomy and ex-situ conservation of orchid species, preparing description from live specimens, assigning co-ordinates to old herbarium specimens and compiling data from existing literature, report preparation and research based publication.

➤ **FULL TIME TEACHING EXPERIENCE:**

Name of College / Institute	Designation	Status	From	To
Budge Budge College Budge Budge, Kolkata, W.B.	Assistant Professor	Substantive	27-08-2019	Presently working

➤ **FIELD SURVEY:**

► Undertaken extensive botanical exploration tours for collections of plant materials to the state of North-east India like **ASSAM** (Gibbon Wildlife Sanctuary & Jorhat), **MIZORAM** (Blue Mountain National Park, Dampa Tiger Reserve, Murlen National Park, Tawi Wildlife Sanctuary, Khuwanglung Wildlife Sanctuary and Ngengpui Wildlife Sanctuary), **ARUNACHAL PRADESH** (Namdapha Tiger Reserve and Bumla & Zemithang of Tawang District), **SIKKIM** (Fambong Lho Wildlife Sanctuary, Pangolakha Wildlife Sanctuary & associated places like Rongli, Rolep, Regu), **WEST BENGAL** (Neora Valley National Park, Sundarban Tiger Reserve and Sal forest of Jhargram) and several local tours to various places of **MEGHALAYA** till date and documented the plant wealth.

➤ **BOOK CHAPTERS PUBLISHED:**

1. B.K. Sinha, S.K. Singh, R. Kumar and **S. Panday**. 2017. Ex-situ conservation of Orchids in Experimental Botanical Garden, Barapani and woodland Campus, Shillong. In: P. Singh & S.S. Dash (eds.), *Indian Botanic Gardens: Role in conservation*. Botanical Survey of India. Kolkata. pp. 295–334. [ISBN: 81-8177-092-7]
2. **S. Panday**, D.S. Rawat, V. Kumar, S.S. Dash, B.K. Sinha and P. Singh. 2020. Climber community structure in relation to environmental and tree attributes in lowland tropical forests of Eastern Himalaya, India. In: M. Kumar, J.A. Bhat & N.A. Pala (eds.), *Diversity and dynamics in forest ecosystems*. CRC Press, Taylor & Francis Group. pp. 71–98. [ISBN: 97-8177-188-979-7]

➤ **RESEARCH PAPERS PUBLISHED:**

1. **Samiran Panday** and B.K. Sinha. 2012. Rediscovery of *Campanumoea javanica* Blume. (Campanulaceae), a rare climber species from Blue Mountain (Phawngpui National Park), Mizoram. *Pleione* 6(1): 241–243. [ISSN: 0973-9467]

2. **Samiran Panday** and B.K. Sinha. 2012. *Lycianthus laevis* (Dunal) Bitter [Solanaceae]: a new record to Mizoram, India. *Pleione* 6(1): 260–261. [ISSN: 0973-9467]
3. **Samiran Panday**, Dilip Kr. Roy, N. Odyuo and B.K. Sinha. 2012. Notes on a little known genus *Ancistrocladus* Wallich ex Wight & Arnott (Ancistrocladaceae) from Northeast India. *Pleione* 6(2): 336–340. [ISSN: 0973-9467]
4. Dilip Kr. Roy, **Samiran Panday** and B.K. Sinha. 2012. Notes on vulnerable *Diplomeris pulchella* D. Don (Orchidaceae) – a recollection from Meghalaya, India. *Pleione* 6(2): 409–411. [ISSN: 0973-9467]
5. S.K. Chaturvedi, B.K. Sinha, Santanu De, Dilip Kr. Roy and **Samiran Panday**. 2012. Notes on *Caulokaempferia linearis* (Wallich) K. Larsen: A rare ginger of India. *Pleione* 6(2): 420–424. [ISSN: 0973-9467]
6. **Samiran Panday**, B.K. Sinha and N. Odyuo. 2012. *Phryma leptostachya* L. (Phrymaceae) and *Fsistigma bicolor* Merr. (Annonaceae): addition to the flora of Mizoram. *Journal of Economic and Taxonomic Botany* 36(4): 691–692. [ISSN: 0250-9768]
7. Dilip Kr. Roy, **Samiran Panday**, B.K. Sinha and M. Sawmliana. 2013. Taxonomic note on *Streblus* Lour. (Moraceae) in Northeast India. *NeBIO* 4(2): 50–54. [ISSN: 0976-3597 (Print), 2278-2281 (Online)]
8. **Samiran Panday**, B.K. Sinha and Prakash Karmakar. 2013. Three new additions for the state flora of Mizoram, India. *Pleione* 7(1): 266–269. [ISSN: 0973-9467]
9. **Samiran Panday**, S.K. Singh, B.K. Sinha and Durgesh Verma. 2013. *Sapria himalayana* (Rafflesiaceae) from Mizoram. *Envis newsletter* 18(1): 2–3. [ISSN: 2277-9000 (Print) ISSN: 2455-6823 (Online)]
10. B.K. Sinha, S.K. Singh, R. Kumar and **S. Panday**. 2013. Ex-situ conservation of orchids in experimental botanical garden, Barapani and woodland campus, Shillong. *Nelumbo* 55: 1–40. [ISSN: 0976-5069 (Print), 2455-376X (Online)]
11. Durgesh Verma, S.K. Singh, B.S. Kholia, B.K. Sinha and **Samiran Panday**. 2013. Pteridophytes of Ngengpui Wildlife Sancturay, Mizoram, India. *Keanean Journal of Science* 2: 3–12. [ISSN: 2321-6077]
12. **Samiran Panday**, Durgesh Verma, S.K. Singh and B.K. Sinha. 2013. *Bulbophyllum picturatum*– a rare and less known orchid recollected from Mizoram, Northeast India. *Keanean Journal of Science* 2: 53–56. [ISSN: 2321-6077]
13. **Samiran Panday**, S.K. Singh, Ramesh Kumar and B.K. Sinha. 2013. Notes on two interesting and less known orchids of Meghalaya. *Keanean Journal of Science* 2: 63–66. [ISSN: 2321-6077]

14. **Samiran Panday**, B.K. Sinha and Prakash Karmakar. 2014. Five new distributional records for the flora of Mizoram, India. *Indian Journal of Forestry* 37(1): 93–96. [ISSN: 0971-9431] [DOI: <https://doi.org/10.54207/bsmps1000-2014-44N25H>].
15. Durgesh Verma, S.K. Singh, B.S. Kholia, B.K. Sinha and **Samiran Panday**. 2014. Pteridophytes of Khawnglung Wildlife Sanctuary, Mizoram, India. *Indian Journal of Forestry* 37(2): 219–234. [ISSN: 0971-9431] [DOI: <https://doi.org/10.54207/bsmps1000-2014-1OH4FY>].
16. **S. Panday**, B.K. Sinha and S.K. Singh. 2014. *Epirixanthes elongata* Blume (Polygalaceae) – from Mizoram. *Envis newsletter* 19(1): 3. [ISSN: 2277-9000 (Print), 2455-6823 (Online)]
17. B.K. Sinha, R. Daimary and **S. Panday**. 2014. *Iodes hookeriana* Baill. (Icacinaceae), recollected after more than seventy years from India. *Envis newsletter* 19(2): 3–4. [ISSN: 2277-9000 (Print), 2455-6823 (Online)]
18. **Samiran Panday**, B.K. Sinha and P. Karmakar. 2014. *Impatiens monticola* (Balsaminaceae): A new distributional record for India. *NeBIO* 5(6): 31–33. [ISSN: 0976-3597 (Print), 2278-2281 (Online)]
19. **Samiran Panday**, Durgesh Verma, S.K. Singh and B.K. Sinha. 2014. Three new distributional records of orchid from Mizoram. *Nelumbo* 56: 252–254. [ISSN: 0976-5069 (Print), 2455-376X (Online)]
20. S.K. Singh, Durgesh Verma, B.S. Kholia, S. Sharma, B.K. Sinha and **Samiran Panday**. 2015. Pteridophytes of Tawi Wildlife Sanctuary, Mizoram, India. *Keanean Journal of Science* 4: 19–30. [ISSN: 2321-6077]
21. **Samiran Panday**, B.K. Sinha and Prakash Karmakar. 2016. New distributional records of six legumes for the flora of Mizoram, India. *NeBIO* 7(2): 38–41. [ISSN: 0976-3597 (Print), 2278-2281 (Online)]
22. **Samiran Panday**, B.K. Sinha and Prakash Karmakar. 2016. *Valeriana hardwickii* Wallich and *V. jatamansi* Jones (Valerianaceae) - new additions to the flora of Mizoram, India. *Pleione* 10(1): 203–206. [ISSN: 0973-9467]
23. **S. Panday**, B.K. Sinha and D.K. Roy. 2016. Recollection of *Erythroxylum sinense* (Erythroxylaceae) after a gap of nearly four decades from Meghalaya. *Envis newsletter* 21(2): 11. [ISSN: 2277-9000 (Print), 2455-6823 (Online)]
24. Vikas Kumar, Sudhansu Sekhar Dash, **Samiran Panday**, Subhajit Lahiri, Bipin Kumar Sinha and Paramjit Singh. 2017. Akaniaceae: a new family record for flora of India and lectotypification of the name *Bretschneidera sinensis*. *Nelumbo* 59(1): 1–9. [ISSN: 0976-5069 (Print), 2455-376X (Online)] [DOI: [10.20324/nelumbo/v59/2017/115985](https://doi.org/10.20324/nelumbo/v59/2017/115985)].

25. **Samiran Panday**, Sudhansu Sekhar Dash and Bipin Kumar Sinha. 2017. *Brandisia rosea* var. *flava* (Paulowniaceae): recollection and lectotypification. *Nelumbo* 59(2): 149–154. [ISSN: 0976-5069 (Print), 2455-376X (Online)] [DOI: 10.20324/nelumbo/v59/2017/120459].
26. Vikas Kumar, **Samiran Panday**, Sudhansu Sekhar Dash, Bipin Kumar Sinha and Paramjit Singh. 2019. Extended distribution of the vulnerable Cooper's Stone Flower *Corallo-discus cooperi* (Gesneriaceae) in India. *Journal of Threatened Taxa* 11(9): 14224–14227. [ISSN: 0974-7893 (Print), 0974-7907 (Online)] [DOI: 10.11609/jott.4707.11.9.14224-14227].
27. **Samiran Panday**, Vikas Kumar, Sudhansu Sekhar Dash, Bipin Kumar Sinha and Paramjit Singh. 2019. Bhutan Asiabell *Codonopsis bhutanica* Ludlow (Asterales: Campanulaceae): a new addition to the Indian flora. *Journal of Threatened Taxa* 11(15): 15079–15082. [ISSN: 0974-7893 (Print), 0974-7907 (Online)] [DOI: 10.11609/jott.4708.11.15.15079-15082].
28. D.K. Agrawala, **Samiran Panday** and Manas Bhaumik. 2019. Extended distribution of *Peristylus orbicularis* (Orchidaceae) in Arunachal Pradesh, India. *Indian Journal of Forestry* 42(3): 255–258. [ISSN: 0971-9431] [DOI: <https://doi.org/10.54207/bsmps1000-2019-Y8I0H6>].
29. D.K. Agrawala, **Samiran Panday**, Manas Bhaumik and Avishek Bhattacharjee. 2020. Occurrence and red list assessment of *Hemipilia purpureopunctata* (Orchidaceae) in India. *Richardiana* 4: 1–8. [ISSN: 2262-9017]
30. Tapas Chakrabarty, **Samiran Panday** and Anand Kumar. 2020. Reinstatement of two varieties of *Trigonostemon viridissimus* and seven superfluous lectotypifications in Indo-Burmese *Trigonostemon* (Euphorbiaceae). *Journal of Asia-Pacific Biodiversity* 13: 766–770. [ISSN (Online): 2287-9544] [DOI: <https://doi.org/10.1016/j.japb.2020.08.007>].
31. **Samiran Panday**, Bipin Kumar Sinha and Prakash Karmakar. 2020. Thirty three new additions to the flora of Mizoram, India. *Nelumbo* 62(2): 131–144. [ISSN: 0976-5069 (Print), 2455-376X (Online)] [DOI: 10.20324/nelumbo/v62/2020/153869].
32. **Samiran Panday**, Vikas Kumar, Sudhansu Sekhar Dash and Bipin Kumar Sinha. 2020. Extended distribution of endemic taxon *Trigonostemon viridissimus* var. *chatterjii* (Euphorbiaceae) in Arunachal Pradesh, India. *Indian Journal of Forestry* 43(2): 130–133. [ISSN: 0971-9431] [DOI: <https://doi.org/10.54207/bsmps1000-2021-8L0785>].
33. Sudhansu Sekhar Dash, **Samiran Panday**, Dinesh Singh Rawat, Vikas Kumar, Subhajit Lahiri, Bipin Kumar Sinha and Paramjit Singh. 2021. Quantitative assessment of vegetation layers in tropical evergreen forests of Arunachal Pradesh, Eastern Himalaya, India. *Current Science* 120(5): 850–858. [ISSN: 0011-3891] [DOI: 10.18520/cs/v120/i5/850-858].

34. **Samiran Panday**, Sudhansu Sekhar Dash and Vikas Kumar. 2022. Additions of four lesser-known species to the flora of Arunachal Pradesh, India. *Indian Forester* 148 (1): 104–106. [ISSN: 0019-4816 (Print), 2321-094X (Online)] [DOI: 10.36808/if/2022/v148i1/157921].
35. Shuvadeep Majumdar and **Samiran Panday**. 2022. Epitypification of *Stachyurus himalaicus* (Stachyuraceae). *Phytotaxa* 538 (3): 265–267. [ISSN: 1179-3155 (Print), 1179-3163 (Online)] [DOI: <https://doi.org/10.11646/phytotaxa.538.3.10>].
36. **S. Panday**, S.S. Dash and V. Kumar. 2022. First record of the Himalayan endemic species *Ainsliaea fulvipes* (Asteraceae) from India. *Turczaninowia* 25 (4): 164–168. [ISSN: 1560-7267 (Online)] [DOI: 10.14258/turczaninowia.25.4.18].
37. **Samiran Panday**, Dinesh Kumar Agrawala, Aazhivaendhan G. and Rijupalika Roy. 2022. Threat status assessment of *Chiloschista usneoides* (D. Don) Lindl. (Orchidaceae) as per IUCN criteria. *Nelumbo* 64 (2): 285–289. [ISSN: 0976-5069 (Print), 2455-376X (Online)] [DOI: 10.20324/nelumbo/v64/2022/172596].
38. Roy R., V. Kumar, **S. Panday** & S.S. Dash. 2023. Rediscovery and lectotypification of *Maesa kurzii* (Primulaceae), a poorly known species from India. *Rheedea* 33(3): 211–214. [ISSN: 0971–2313 (Print), 2582–2438 (Online)] [DOI: <https://dx.doi.org/10.22244/rheedea.2023.33.03.08>].

➤ **ABSTRACT PUBLISHED:**

1. D.S. Rawat, **Samiran Panday**, Vikas Kumar, Arnab Banerjee, S.S. Dash, B.K. Sinha and Madhav Jha. 2017. “*Quantitative analysis of tree species in Neora Valley National Park, Eastern Himalaya, India*”. National Seminar on “Understanding Himalayan Phytodiversity in Changing Climate”, organized by Botanical Survey of India, Sikkim Himalayan Regional Center, Gangtok, Sikkim, EHSST & Sikkim University. p. 31. (Dated 9.03.2017 – 10.03.2017)

➤ **HINDI ARTICLES PUBLISHED:**

1. **Samiran Panday** and Bipin Kumar Sinha. 2012. Phawngpui Blue Mountain Rastriya Udyan, Mizoram ki vanaspatiyan. *Vanaspati Vani* 21: 20–23.
2. Durgesh Verma, Sushil Kumar Singh, **Samiran Panday** and Bipin Kumar Sinha. 2013. Ngengpui Vanyajeev Abhayaranya, Mizoram ki jaibo vividhta – ek parichay. *Vanaspati Vani* 22: 4–7.
3. **Samiran Panday**, Bipin Kumar Sinha and Prakash Karmakar. 2014. Phawngpui Blue Mountain Rastriya Udyan, Mizoram mein paye jane wali Orchid jatiyan. *Vanaspati Vani* 23: 18–20.

4. A. Sahoo, Bipin Kumar Sinha, Sudeshna Dutta and **Samiran Panday**. 2014. Bharat ke bivinna janjatiyon ka kuch rochak nrivanaspatik sahasambandh. *Vanaspati Vani* 23: 94-96.
5. **Samiran Panday** and Bipin Kumar Sinha. 2016. Lai ebong Mizo janjatiyon ke janjeevan mein Phawngpui Rastriya Udyan, Mizoram ke oushodiya vanaspatiyon ka mahatya. *Vanaspati Vani* 25: 72-75.
6. Vikas Kumar, **Samiran Panday**, B.K. Sinha and S.S. Dash. 2017. Namdapha Rastriya Udyan ki vanaspati sampada: ek sangkhipt parichay. *Vanaspati Vani* 26: 1-5.

➤ **PAPER PRESENTED (ORAL):**

1. On "*Floristic diversity of Phawngpui (Blue Mountain) National Park, Mizoram*" in 128th Foundation day of BSI seminar on the theme "**Progress and prospects in Taxonomy**" organized by Industrial Section of Indian Museum, Botanical Survey of India, Kolkata. (Dated 13.02.2018 - 14.02.2018)
2. On the theme "**Biodiversity Conservation and Management**" in the 3rd Himalayan Researchers Consortium (HRC)-2019, organized by G.B. Pant National Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora, Uttarakhand. (Dated 16.05.2019 - 17.05.2019)
3. Acted as a Resource Person and presented in the "**Certificate course on herbarium and museum techniques**" organized by Department of Botany, Govt. Degree College, Kaliganj, Debadram, Nadia, West Bengal. (Dated 26.06.2023)

➤ **POSTER PRESENTED:**

1. On "**National Seminar cum monitoring and evaluation workshop**" organized by G.B. Pant National Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora, Uttarakhand. (Dated 04.02.2019 - 07.02.2019)

➤ **SEMINAR/ SYMPOSIA/ WORKSHOP/ CONFERENCE ATTENDED:**

1. Workshop on "*Polymerase chain reaction & its potential course*" organized by Scottish Church College, Kolkata, West Bengal. (Dated 07.01.2009)
2. Seminar on "*Angiosperms Taxonomy: A Tribute to Dr. Sushil Kumar Mukerjee, (Botanical Survey of India)*" organized by Botanical Society of Bengal and The Dept. of Botany, University of Calcutta, West Bengal. (Dated 09.01.2010)

3. Workshop on *“Basic Principles, Preparatory Methods and Biological Application in Transmission Electron Microscopy”* organized by North Eastern Hill University (NEHU), Shillong, Meghalaya. (Dated 22.03.2011 – 25.03.2011)
4. Workshop on *“Botanical nomenclature course”* organized by Botanical Survey of India, Kolkata, West Bengal. (Dated 11.01.2013 – 13.01.2013)
5. Workshop on *“Conservation Methodology of Archival Documents”* organized by Botanical Survey of India, Kolkata, West Bengal. (Dated 09.01.2014 – 10.01.2014)
6. National Symposium on *“Himalayan Biodiversity: prospects and challenges”* organized by North Eastern Hill University (NEHU), Shillong, Meghalaya. (Dated 20.03.2014 – 21.03.2014)
7. Seminar on *“Excitements in Taxonomy & Ethnobotany for Young Researchers”* organized by Botanical Survey of India, Kolkata, West Bengal. (Dated 19.06.2014)
8. Workshop on *“Training workshop on ecological field techniques”* organized by Tropical Forest Research Institute, Jabalpur, Madhya Pradesh. (Dated 28.02.2017 – 02.03.2017)
9. Workshop on *“Long term monitoring of Himalayan biodiversity for stake holders of Himalayan region”* organized by jointly Zoological Survey of India & Botanical Survey of India, Kolkata, West Bengal. (Dated 23.03.2018 – 24.03.2018)
10. Seminar on *“International Day for Biological Diversity”* organized by Botanical Survey of India, Kolkata, West Bengal. (Dated 22.05.2018)
11. Seminar on *“International Day for Biological Diversity”* organized by Botanical Survey of India, SHRC, Gangtok, Sikkim. (Dated 22.05.2019)

➤ **REFRESHER COURSE:**

Participated in UGC-HRDC sponsored 14-days refresher course on **“New Frontiers of Advancement in Natural and Biological Sciences”** organized by University of North Bengal, West Bengal. (Dated 10.09.2021 – 23.09.2021)

➤ **FACULTY INDUCTION PROGRAMME:**

Participated in UGC-HRDC sponsored 30-days **Faculty Induction Programme-16** (Orientation Programme) organized by Kumaun University, Nanital, Uttarakhand. (Dated 24.02.2023 – 28.03.2023)

➤ **FACULTY EXCHANGE PROGRAMME:**

1. Acted as a resource person and taken classes for the students of semester I & III of Department of Botany at Raidighi College, Raidighi as part of the Faculty Exchange Programme. (Dated 13.10.2023).

➤ **WORKSHOP (ONLINE) / WEBINAR PARTICIPATED:**

1. Seven days online national workshop on “**NAAC: Seven Assessment Criteria for Accreditation**” organized by Govt. Post Graduate College, Bilaspur, Rampur (UP). (Dated 02.08.2020 - 08.08.2020).
2. National Webinar on “**Coastal areas of West Bengal: Botany and Beyond**” organized by PG Department of Botany, collaboration with IQAC, Bethune College, Kolkata. (Dated 18.07.2020).
3. International Webinar on “**Gene expression- the momentous keyword during this century**” organized by Department of Botany & IQAC, Bangabasi College, Kolkata. (Dated 25.07.2020).
4. National Webinar on “**Advancement in microbial and cryptogams research in the 21st century**” organized by Departments of Botany, Ananda Mohan College. (Dated 02.08.2020).
5. National Webinar on “**Host-Microbe Interactions: Present and Future Perspectives**” organized by School of Biotechnology, Department of Life Sciences, Presidency University, Kolkata. (Dated 06.08.2020 - 07.08.2020).
6. National Webinar on “**Virtual journey through botanical world**” organized by Department of Botany & IQAC, THK Jain College. (Dated 12.08.2020 - 15.08.2020).
7. National Webinar on “**Relevance of ethnobotany in contemporary socio-economic conditions**” organized by S.K. Jain Institute of Ethnobotany and School of Studies in Botany, Jiwaji University, Gwalior M.P. (Dated 14.08.2020).
8. International Webinar on “**Biodiversity conservation and sustainable development: issues, challenges and outcomes**” organized by Post Graduate Department of Botany, Brahmananda Keshab Chandra College, Kolkata. (Dated 14.08.2020 & 21.08.2020).
9. National Webinar on “**Modern history of Botany in India & role of Botanical Survey of India**” organized by Department of Botany & IQAC, Basirhat College. (Dated 29.08.2020).
10. National Webinar on “**Cytogenetics, *in vitro* culture and phytochemistry of plants and microbes for sustainable use**” jointly organized by Department of Botany Siksha-Bhavana, Shantiniketan and Department of Botany Raidighi College. (Dated 22.01.2022 & 23.01.2022).

➤ **MEMBER / FELLOW OF THE SOCIETIES:**

1. Natural Member of **East Himalayan Society for Spermatophyte Taxonomy** (Taxo Club), Department of Botany, University of North Bengal, Siliguri, West Bengal, India.

➤ **OTHER CONTRIBUTIONS:**

1. Classes took for school students for the programme **Foundation course: biodiversity conservationist** under the **Green Skill Development Programme (GSDP) of 2017-2018**, jointly organized by Zoological Survey of India & Botanical Survey of India, Kolkata, West Bengal.
2. Classes took for school students for the programme **Advance course on Parataxonomists** under the **Green Skill Development Programme (GSDP) of 2017-2018**, organized by ENVIS, Botanical Survey of India, Kolkata, West Bengal.
3. Acted as a **JUDGE** for the 27th **Science Fair** held from 30.04.2022 – 01.05.2022 at Budge Budge P.K. High School, organized by Budge Budge - Maheshtala Nature Study Centre.

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