

FACULTY MEMBERS' ACADEMIC PROFILE

- 1. Name of the Faculty member:** Dr. Alokemoy Basu
- 2. Designation:** Assistant Professor
- 3. Qualification:** M.Sc, Ph.D
- 4. Specialization:** Cytogenetics, Molecular Biology and Plant Biotechnology
- 5. E-mail address:** aloke84@gmail.com
- 6. Date of Joining in W.B.E.S.:** 02.03.2015
- 7. Date of Joining in this College:** 17.12.2021
- 8. Total Teaching experience in College level:** More than 8 years
- 9. Research interests:** Cytogenetics, Plant Reproductive Biology
- 10. Title of thesis (Ph.D.) with year:** Reproductive Ecology of The Medicinally Important Plant *Barleria prionitis* L. 2019
- 11. Research guidance:**
- 12. Research Projects (Completed and ongoing):**
- 13. List of publications:**

**A) Published papers in Journals:**

1. A. Basu, R. Roychowdhury, S. S. Bhattacharyya and J. Tah. (2012), Estimation of major heavy metals (Fe, Cu and Zn) in the fruit part of *Cucumis sativus* L. World Journal of Science and Technology 2(7): 01-03.
2. A. Basu, A. Ghosh, S. Pal, M. Basu, P. Karmakar, B. Mitra and P. K. Pal. (2013), Pollination of the mahogany trees (*Swietenia mahagoni*) by an ovipositing thysanopteran insect (*Priesneriola*). Bionotes 15(3): 88-89.
3. A. Basu and P. K. Pal. (2017), Seed ecology of the important medicinal shrub, *Barleria prionitis* L., Geophytology, 47(2): 131-136.
4. A. Basu. (2019), Delayed autogamy during corolla abscission of *Barleria prionitis*: an efficient adaptation to overcome the pollinator crisis. Geophytology, 49(1&2): 1-6

B) Conference Proceedings:

1. A. Basu, T. Dalal, A. Bandyopadhyay and J. Tah. (2008) "Studies on genetic variability with estimates of biochemical parameters in Cucumber (*Cucumis sativus* L)". National Seminar on Medicinal plants: aspects and prospects. Department of Botany, Burdwan University. (Abstracts): p. 89.
2. A. Basu, and P.K. Pal. (2011) "Flowering phenology, flower longevity, anther dehiscence, stigma receptivity and anthesis of *Barleria prionitis*". National Seminar on Plant diversity: aspects and prospects. Department of Botany and Forestry, Vidyasagar University. (Abstracts): p. 41.
3. A. Basu, A. Ghosh, S. Pal, M. Basu, P. Karmakar, B. Mitra and P.K. Pal (2011) "Monophilic Pollination of Mahogany Trees by Ovipositing Thrips". National Symposium

- on Plant diversity and resources: its aspects and prospects. Botanical Society of Bengal, Kolkata and Department of Botany, Calcutta University. (Abstracts): p. 39.
4. A. Basu, and P.K. Pal. (2012). "Influence of atmospheric temperature on floral events of *Barleria prionitis* L". National Conference on Utilization of Plant and Microbial Resources. Department of Botany, Visva-Bharati, (Abstracts): p.3.
 5. A. Basu, and P.K. Pal. (2012). Influence of atmospheric temperature on floral events of the medicinally important plant *Barleria prionitis* L. International Symposium on Innovative Prospects in Angiosperm Taxonomy. Department of Botany, S. G. B. Amaravati University. (Abstract): p 117.
 6. A. Basu, P.K. Pal. (2012) 'Delayed autogamy during corolla abscission of *Barleria prionitis*: an efficient adaptation to overcome the pollinator crisis' National Conference on 'Recent Developments in Plant and Earth Sciences' Palaeobotanical Society, Lucknow and Birbal Sahani Institute of Palaeobotany, Lucknow. (Abstracts): P. 30.
 7. P.K. Pal, M. Basu, S. Pal, A. Ghosh, A. Basu, and T. Ahmed (2014). Significance of obligatory entomophilous monophilic pollination in Mahogany trees with respect to seed production. 21st West Bengal State Science and Technology Congress. The University of Burdwan and Government of West Bengal. (Abstracts): p 111.
 8. A. Basu (2016). Maya Medicine: Science of Herbs. UGC sponsored International Seminar on Contemporary Trends in Humanities and Social Sciences. A. B. N. Seal College, Cooch Behar.
 9. A. Basu (2016). Plant Reproductive Biology: History and Endeavor. UGC-CPE Assisted Inter-Disciplinary (Science) National Seminar on Frontiers in Science and Technology towards National Development. A. B. N. Seal College, Cooch Behar.
 10. A. Basu (2018). Origin of Life: From Prokaryote to Eukaryote. Extension Lecture organized by Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata.

14. Membership of Learned Societies/ Editorial Boards, etc.:

15. Patents:

16. Awards:

1. Awarded with One of the best for the Poster presentation of a paper enthralled 'Delayed autogamy during corolla abscission of *Barleria prionitis*: an efficient adaptation to overcome the pollinator crisis' by the Palaeobotanical Society, Lucknow and Birbal Sahani Institute of Palaeobotany, Lucknow in the National Conference on 'Recent Developments in Plant and Earth Sciences'
2. Awarded with the best Presentation for the oral presentation of a paper enthralled 'Significance of obligatory entomophilous monophilic pollination in Mahogany trees with respect to seed production' by the University of Burdwan and Government of West Bengal in the 'West Bengal State Science and Technology Congress'

17. Other notable activities:

18. A) Participation in Seminars/Symposia/Conferences/Workshops:

1. Participated in the National Seminar on 'Medicinal plants: aspects and prospects' held in the Department of Botany, Burdwan University on 15-16 March, 2008.
2. Participated in the Golden Jubilee Symposium on 'Recent trends in Contemporary Plant and Microbial Sciences, held in the Department of Botany, Burdwan University on 19-20 March, 2010.

3. Participated in the UGC Sponsored State Level Seminar on 'Bio-diversity: issues and concerns', held in the Department of Botany, Guskara Mahavidyalaya on 27 March, 2010.
4. Participated in the National Seminar on 'Plant diversity: aspects and prospects', held in the Department of Botany and Forestry, Vidyasagar University on 9-10 March, 2011.
5. Participated in the UGC Sponsored National Symposium on 'Essence of medicinal Plants: its conservation and sustainable exploitation', held in the Vivekananda Mahavidyalaya on 9 December, 2011.
6. Participated in the National Symposium on 'Plant Diversity and Resources', held in the Botany Department, Calcutta University on 20-22 December, 2011.
7. Participated in the National Conference on 'Utilization of Plant and Microbial Resources', held in the Botany Department, Visva-Bharati on 17-18 March, 2012.
8. Participated in the International Symposium on 'Innovative Prospects in Angiosperm Taxonomy'. Held in the Department of Botany, S. G. B. Amaravati University on 28-30 October, 2012.
9. Participated in the National Conference on 'Recent Developments in Plant and Earth Sciences' held in the Birbal Sahani Institute of Palaeobotany, Lucknow on 28-29 November, 2013.
10. Participated in the 21st West Bengal State Science and Technology Congress held in the The University of Burdwan on 20-21 February 2014.
11. Participated in the UGC sponsored International Seminar on Contemporary Trends in Humanities and Social Sciences held in A. B. N. Seal College, Cooch Behar, on 7th to 8th April 2016.
12. Participated in the UGC-CPE Assisted Inter-Disciplinary (Science) National Seminar on Frontiers in Science and Technology towards National Development held in A. B. N. Seal College, Cooch Behar, on 10th to 11th April 2016.
13. Attended a Three day (29th-31st August, 2016) workshop on LaTeX organized by Department of Computer Science, Coochbehar College, Coochbehar in collaboration with Spoken Tutorial, IIT- Bombay.
14. Participated in the National Seminar on Environmental issues: Current Scenario from the View Point of Scientific Studies held in A. B. N. Seal College, Cooch Behar, on 19th – 20th February 2019.
15. Participated in the National Webinar on "Impact of COVID-19 upon the economy, polity, society and culture of Eastern and North-Eastern India" held in A. B. N. Seal College, Cooch Behar, on 29th August 2020.
16. Acted as Organizing Secretary in State Level Webinar on Ecosystem Restoration towards Sustainable Society held in A. B. N. Seal College, Cooch Behar, on 5th June 2021
17. Attended a Two-Day (14th – 15th July, 2021) Online National Workshop on Outcome-Based Education (OBE) organized by IQAC, A. B. N. Seal College, Cooch Behar, West Bengal.

B) Participation in OPRC:

1. Participated in the 37th Orientation Programme organized by UGC-HRDC, The University of North Bengal from 20th February to 19th March 2019.
2. Participated in the Refresher Course on Nano Technology organized by UGC-HRDC, The University of Burdwan from 25th June to 8th July 2019.