


Personal Profile

Name	DR ARPITA BANERJEE	
Designation	ASSOCIATE PROFESSOR	
Date of birth	14.06.1974	
Educational qualification	M.Sc. in Botany, Ph.D.,	
Permanent address	PRANTIKA, LANE NO. 1, P.O. + DIST. - BANKURA, WEST BENGAL, INDIA. PIN. 722101.	
Contact number	9434238314	
E-mail	arijitbanerjeebcc@rediffmail.com	
Date of joining this institution	27/11/2008	
Areas of teaching	Plant Biosystematics, Palynology & Aerobiology	
Vidwan Portal ID	288300	
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Research Gate ID		

FACULTY DEVELOPMENT PROGRAMME

Sl. No	Courses	Sponsoring Agency	Institutions	Date
1.	78 th Orientation Programme.	UGC	Academic Staff College, The University of Burdwan	11/01/2011 to 07/02/2011
2.	5 th Refresher Course in life Science	UGC	Academic Staff College, The University of Burdwan	09/07/2013 to 29/07/2013
3.	24 th Refresher Course in Environmental Science	UGC	Academic Staff College, The University of Burdwan	08/01/2016 to 28/01/2016
4	3 rd Winter School on “Recent Themes in Women’s Studies: Relevance of a Multidisciplinary Approach”		Women’s Studies Centre, Vidyasagar University	06/02/2019 to 26/02/2019
5	94 th Online Short – Term Course on E- Content Development	UGC	UGC-HRDC Gujarat University	23/07/2020 to 29/07/2020

1. **Banerjee, A.**, Rahaman, C.H., Kar, R. K. and Mandal, S. (2002). Micromorphology of foliar epidermis of some tropical tree legumes. *Phytomorphology*, 52: 223-230.
2. **Banerjee, A.**, Sinhababu, A., Kar, R. K. and Mandal, S. (2004). Micromorphological studies of four fuel wood yielding tropical leguminous plants. *Pakistan Journal of Biological Sciences*. 7: 100-104.
3. **Banerjee, A.**, Sinhababu, A., Mandal, S. and Kar, R. K. (2004). Biochemical analysis of seedlings of some leguminous fuel wood trees for assessment of potential for fast growing habit. *Agricultural and Biological Research*. 20: 72-84.
4. Sinhababu, A., **Banerjee, A.**, Kar, R. K. and Mandal, S. (2004). Assessment of relative potential for fast growing habit at early stage of development in five fuel wood yielding plants. *Science and Culture*. 70: 61-63.
5. Sinhababu, A., **Banerjee, A.** and Kar, R. K. (2004). Assessment of tolerance to water stress at seedling stage of four fuel wood yielding legume trees. *Journal of Theoretical and Experimental Biology* 1: 19-23.
6. **Banerjee, A.**, Sinhababu, A., Kar, R. K. and Mandal, S. (2004). Comparative stem anatomy of six fuel-wood yielding tree legumes. *Phytomorphology*. 54: 65-73.
7. De, R., Sinhababu, A., **Banerjee, A.** and Kar, R. K. (2005). Effect of water stress on seed germination and seedling growth in mung bean and black gram. *Crop research*. 29: 148-155.
8. Biswas, R., Sinhababu, A., **Banerjee, A.** and Kar, R. K. (2005). Qualitative and quantitative effect of light on leaf senescence of a submerged aquatic weed, *Hydrilla verticillata*. *Indian Journal of Plant Physiology*. 10: 66-69
9. Sinhababu, A., **Banerjee, A.** and Kar, R.K. (2007). Seed germination and seedling growth in some selected fast growing fuel wood plants. *Indian Forester*. 133: 534-546.
10. Sinhababu, A., **Banerjee, A.** and Kar, R.K. (2007). Comparative physiology and biochemistry of seeds and seedlings of fast growing and slow growing fuel wood legumes. *Journal of Theoretical and Experimental Biology*. 3 (4): 143-152.
11. Sinhababu, A., **Banerjee, A.** and Mandal, N.C. (2007). Observation on the pathological problems and its remedy of some fast growing fuel wood tree Legumes. *Journal of Phytological Research*. 20: 231-235.
12. **Banerjee, A.**, Sinhababu, A., Kar, R. K. and Mandal, S. (2009). Biochemical analysis of pollen of eight fuel wood yielding tree legumes. *Wesleyan Journal of Research*. 2(2): 1-5.
13. **Banerjee, A.** and Sinhababu, A. (2009). *Catharanthus*: Anti Cancerous Plant. *Agrobios Newsletter*. 8(2): 55-56.

14. **Banerjee, A.** and Sinhababu, A. (2009). *Cassia fistula* L. Potent tribal and herbal medicinal plant. *Agrobios Newsletter*. 8(6): 44-46.
15. Sinhababu, A. and **Banerjee, A.** (2010). Mushrooms: Different beneficial aspects. *Agrobios Newsletter*. 8(8): 29-31.
16. **Banerjee, A.** and Sinhababu, A. (2010). Bacopa: Useful Ayurvedic Herb. *Agrobios Newsletter*. 8(12): 27-28.
17. **Banerjee, A.** and Sinhababu, A. (2010). Utility of Citronella Oil. *Agrobios Newsletter*. 8(12): 28-29.
18. **Banerjee, A.**, Mukherjee, C., Bakshi, D., Chakroborty, M.R. and Sinhababu, A. (2011). Indigenous medicinal plants used for gynecological disorders by tribals of Birbhum district, West-Bengal and their conservation. *J. Environ. & Sociobiol.* 8(1): 119-126.
19. Chakroborty, M.R., Sinhababu, A., Bakshi, D., **Banerjee, A.** and Mukhopadhyay, C. (2011). Study of the allelopathic effect of *Lantana camara* roots on the diversity of mycoflora of *Ocimum sanctum*. *J. Environ. & Sociobiol.* 8(1): 127-132.
20. **Banerjee, A.** and Sinhababu, A. (2011). Vermicomposting: a good method for recycling of Beedi litter waste. *Wesleyan Journal of Research*. 4 (2): 83-87.
21. Sinhababu, A. and **Banerjee, A.** (2011). Aerobic rice-a new concept for sustainable agriculture. *Wesleyan Journal of Research*. 4 (2): 76-82.
22. Sinhababu, A. and **Banerjee, A.** (2011). Defense in plants against invading organism. *Agrobios Newsletter*. 9(6): 69-71.
23. Sinhababu, A. and **Banerjee, A.** (2013). Ethno-botanical study of medicinal plants used by tribals of Bankura districts, West Bengal, India. *Journal of Medicinal Plants Studies*. 1(3): 98-104.
24. Sinhababu, A. and **Banerjee, A.** (2013). Documentation of some ethno-medicinal plants of family Lamiaceae in Bankura district, West Bengal. *International Research Journal of Biological Sciences*. 2(6): 63-65.
25. Sinhababu, A. and **Banerjee, A.** (2013). Comparative responses of four tree legumes plants to PEG-induced water stress at seedling stage. *Biohelikon: Plant Physiology*. 1: 1-5.
26. Sinhababu, A. and **Banerjee, A.** (2013). Optimization of seed germination of some multipurpose tree legumes by seed treatments. *The Journal of Plant Physiology, Photon*. 114: 170 - 175.
27. **Banerjee, A.**, Mukherjee, A. and Sinhababu, A. (2013). Ethnobotanical documentation of some wild edible plants in Bankura district, West Bengal, India. *The Journal of Ethnobiology and Traditional Medicine*. 120: 585-590.
28. Mukherjee, A., **Banerjee, A.**, Sinhababu, A and Singh, P.P. (2014). The genus *Amorphophallus*: cyto – histo - molecular genesis and commercial prospects. *International Journal of Innovative Horticulture*. 3(1): 12-21.

29. Sinhababu, A. and **Banerjee, A.** (2015). Medicinal Plants for the Treatment of Malaria used by Various Tribes of Bankura, West Bengal, India. *Research and Reviews: Journal of Botany*. 4(1): 33–36.
30. Sinhababu, A. and **Banerjee, A.** (2016). Ethno-medicinal Plants of the Family Euphorbiaceae in Southern Bankura of West Bengal. *Research and Reviews: Journal of Botany*. 5(2): 36 – 39.
31. Sinhababu, A., Mukherjee, A. and **Banerjee, A.** (2017). *In vitro* conservation of tuber crops for food security. *Indian Science Cruiser*. 31(2): 34 – 40. DOI: 10.24906/isc/2017/v31/i2/151976.
32. **Banerjee, A.** and Sinhababu, A. (2017). Some Ethno-medicinal plants of family Verbenaceae in Bankura district, West Bengal, India. *Life Science Bulletin*. 14(1): 17-19.
33. Sinhababu, A. and **Banerjee, A.** (2017). Selection of fuel wood yielding trees for agro-forestry in dry lateritic area. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 8(4): 267 – 273.
34. Sinhababu, A. and **Banerjee, A.** (2017). Disease resistant tree legumes for Agro-forestry in dry area. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 8(4): 322- 327.
35. **Banerjee, A.** and Sinhababu, A. (2017). Some common poisonous plants of Bankura districts of west Bengal, India. *Research and Reviews: Journal of Botany*. 6(2): 32 – 36.
36. Sinhababu, A. and **Banerjee, A.** (2017). Beneficial aspects of some cardio-protective medicinal plants of Bankura district, West Bengal. *Indian Science Cruiser*. 31(5): 17-22. DOI: 10.24906/isc/2017/v31/i5/161485.
37. **Banerjee, A.**, Mukherjee, A. and Sinhababu, A. (2018). Organic farming, biotechnology and biodiversity vs. ‘the paradox’ of food insecurity under changing climate. *Indian Science Cruiser*. 32(1): 16-23. DOI: 10.24906/isc/2018/v32/i1/170654.
38. **Banerjee, A.** and Sinhababu, A. (2018). Characterization of some potent drought tolerant tree legumes for agrofoestry in Bankura, west Bengal. *Journal of Advances in Science and Technology*, 15(1): 94-99.
39. Sinhababu, A. and **Banerjee, A.** (2018). Ethno-medicinal plants in Bankura district with special reference to skin diseases. *Life Science Bulletin*. 15(1): 23-26.
40. **Banerjee, A.** and Sinhababu, A. (2018). Documentation of some plants of Asteraceae used as herbal healer in Bankura district, West Bengal. *Life Science Bulletin*. 15(1): 51-54.
41. **Banerjee, A.**, Mukherjee, A., Korada, R.R. and Sinhababu, A. (2018). Antinutritional factors the ‘biomolecules’ mediated natural and induced host defence in food crops. *Indian Science Cruiser*. 32(4): 17-24. DOI: 10.24906/isc/2018/v32/i4/176486.
42. **Banerjee, A.** and Sinhababu, A. (2018). Lichens as integrating monitors for air pollution: A review. *Journal of Advances and scholarly Researches in Allied Education*, 15(6): 522-525.
43. **Banerjee, A.** (2018). Some edible herbaceous forest resources used by ethenic group in Manbazar subdivision of Purulia district. *Journal of Advances and Scholarly Researches in Allied Education*. 2018, 15(3): 478-483.
44. **Banerjee, A.** and Sinhababu, A. (2019). Characterization of seed germination of four medicinal plants of family leguminosae. *Life Science Bulletin*. 16 (1 & 2): 79 - 82.
45. **Banerjee, A.** and Sinhababu, A. (2019). Pollen morphology of four fuel wood yielding tropical tree legumes. *Life Science Bulletin*. 16 (1 & 2): 89 - 92.

46. **Banerjee, A.** (2019). Morphological studies of the pollen grains of six tropical tree legumes. *Wesleyan Journal of Research*. 12: 34-38.
47. **Banerjee, A.** and Sinhababu, A. (2020). Identification of markers through micromorphological approach of four species of Fabaceae in Bankura, West Bengal. *Research & Reviews: Journal of Botany*, 9(2): 1-4.
48. **Banerjee, A.** (2020). Comparative responses of some fuel wood trees at early seedling stage. *Research & Reviews: Journal of Botany*, 9(2): 5-13.
49. Chakraborty, M.R. and **Banerjee, A.** (2020). An enumeration of ethnomedicinal weeds in Bankura and its adjoining area. *Juni Khyat*. 10(6):145-158.
50. **Banerjee, A.** and Chakraborty, M.R. (2020) Traditional herbal plants as antiasthmatic agent in southern Bankura, West Bengal. *Juni Khyat*. 10(6):135-144.
51. **Banerjee, A.** and Sinhababu, A. (2020). Traditional healer of Asclepiadoideae of Apocynaceae in Bankura, West Bengal. *International Journal of Lifescience and Pharma Research*, 10(4): 85-89. Doi 10.22376/ijpbs/lpr.2020.10.4.P85-89.

BOOKS / BOOK CHAPTERS / MONOGRAPHS

1. Sinhababu, A. and **Banerjee, A.** (2018). Selection of some disease resistance tree Legume for new plantation programme. In: *Environmental Geography & Sustainable Society*, Edited by (Pan, S., Mukherjee, S., Chakraborty, D. and Ganguly, S.), Concept Publishing Company (P) Ltd, New Delhi, ISBN-13: 978-93-86682-26-0, Pages-137-146.
2. Sinhababu, A. and **Banerjee, A.** (2016). Selection of some drought resistance plants for local plantation programme. In: *Environment, People and Management: A developmental prospective*, Edited by (Pan, S., Mukherjee, S., Chakraborty, D. and Ganguly, S.), Renu Publishers, New Delhi., ISBN: 978-93-85502-15-6, Pages-239-249.

POPULAR ARTICLES

More than ten.

PAPER PRESENTATION/ PARTICIPATION: CONFERENCES/SEMINARS /SYMPOSIA /WORKSHOPS

Paper/Seminars/Conferences/workshop	Sponsoring Agency	Institutions	Date
Participated and presented paper in three days National Conference on "Frontiers Of research In Plant Sciences"	National Botanical Society	Dept. of Botany, University of Calcutta, West Bengal	2 nd -4 th December, 1999
Participated and presented paper in National Seminar on "Plant Physiological Paradigm for Foresting Agro and Biotechnology and Augmenting Environmental Productivity in Millennium 2000	Indian Society for Plant Physiology	U.P. GannaKisanSansthan, Lucknow, India	November 7 to 9, 2000
Participated and presented paper in	Society For Plant	Bose Institute,	December 1st

National Symposium on “Plant Physiology & Biochemistry in Transgenic Era and Beyond	Physiology & Biochemistry	Kolkata, West Bengal	3rd, 2001
Participated and presented paper in National Seminar on “Plant and Microbial Diversity: Prospect and Potentials”.	U.G.C & Visva-Bharati	Botany Department, Visva-Bharati, Santiniketan	December 17-19, 2005
Participated and presented paper in National Seminar on “Man-Environment Interrelations: Issues, Challenges and Remedies”	U.G.C.	Bankura Christian College, Bankura, West Bengal	February-18th-19th , 2011
Participated and presented paper in National Seminar on “Plants, the Natural Wonder: Issue and Concern”.	U.G.C.	Sonamukhi College, Bankura, West Bengal	October - 4th& 5th, 2016
Participated and presented paper in 1st Regional Science and Technology Congress-2016, Burdwan Division	Dept. of Science & Technology, Govt. of West Bengal and Bankura Christian College.	Bankura Christian College, Bankura, West Bengal	7th- 8th November, 2016
Participated and presented paper in State level Seminar on “Rural Health Ecology: Issues of public health, nutrition and fluorosis”.	Govt. of West Bengal, Department of Health and Family Welfare	Sammilani College, Bankura, West Bengal	11th January, 2017
Participated and presented paper in National Seminar on “Local Biodiversity	W.B. Biodiversity Board	Raja Rammohun Roy Mahavidyalaya, Radhanagar, Hooghly	30 th January, 2018
Participated and presented paper in National Seminar on “Role of Basic Sciences in Translational Research applied on Biological Sciences and Human health”.	Science and Engineering Research Board, DST, Govt. of India	Midnapur City College, Midnapur, Paschim Medinipur, West Bengal	5th and 6th February, 2018
Participated and presented paper in one day National Level Seminar on “Reaching the Unreached through Science and Technology”	Indian Science Congress association	Bankura Christian College, Bankura	17th February, 2018.
Participated and presented paper in one day National Level Seminar on “Environmental Changes, Human Adaptation and Sustainability”.	Department of Higher Education	P.R.M.S. Mahavidyalaya. Baragari.	24 th Feb. 2018
Participated and presented paper in two day National Level Seminar on “ Environmental Changes:	Department of Biotechnology, Govt. of India &	Midnapur City College, Midnapur, Paschim	13 th & 14 th July, 2018

Adaptation changes by Sustainable Development”	Indian Council of Medical Research, Govt. of India	Medinipur, West Bengal	
Participated and presented paper in one day National Level Seminar on “Biodiversity Conservation and Bio Resource Management: Benefitting man and nature”	W.B. Biodiversity Board	Bankura Sammilani College, Bankura.	11 th Dec. 2018.
Participated and presented paper in one day National Level Seminar on “Recent trends in Physiology and Healthcare Research for Salubrious Society”	Physiological Society of India	Bankura Sammilani College, Bankura	15 th -17 th November, 2019
Participated and presented paper in two day International Level Seminar on “Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences	UGC	Vidyasagar University	21 st -22 nd January, 2020
Participated and presented paper in one day State Level Workshop on “People’s Biodiversity Register”	West Bengal Biodiversity Board	Bankura Christian College, Bankura	28 th January, 2020
Participated and presented paper in two day International Level Seminar on “Biodiversity And its Conservation”	West Bengal Biodiversity Board	Ramananda College, Bishnupur, Bankura	2 nd March, 2020

RESEARCH PROJECTS

- Name of the Research Project: Optimization of seed germination and selection of suitable tree legumes for agroforestry.
- Funded by: UGC
- Amount sanctioned: Amount allocated- Rs. 159000.00
- Memo No. and Date: Minor Research Project as Co-PI- Vide memo no.F.PSW-002/10-11 (ERO) date 20.10.2010.
- Date of Completion: 20.04.2012

RESEARCH GUIDANCE

NIL

AWARD / RECOGNITION / MEMBER OF BOARD OF STUDIES / ACADEMIC ACTIVITIES

- Fellow member in the Society for Sciences.

- Fellow member of International Scientific Research Organization for Science, Engineering and Technology (ISROSET), India.
- Former GB member in Jamini Roy College, Beliatare, Bankura- from 2013-2018
- Present GB member in Bankura Zilla Saradamani Mahila Mahavidyapith from September, 2018- Till date.
- Life Member, Wesleyan Journal of Research. ISSN: 0975-1386.

COMMUNITY WORK / SOCIAL ACTIVITY

- Working as an active coordinator in '*Visva-Adibasi Yuba Samity*' a recognized 'NGO'.
- Acted as an Editorial Member of Eco-Focus News letter from 2012-2019.

ANY OTHER

- Member of Scientific and Technical committee & Editorial Review Board on Biological and Life Sciences of World Academy of Science, Engineering and Technology, USA.
- Member of Scientific and Technical committee & Editorial Review Board on Ecology and Environment of World Academy of Science, Engineering and Technology, USA.
- Editorial Board member of African Journal of Pharmacy and Pharmacology, Academic Journals, ISSN: 1996-0816.
- Editorial Board member of International Journal of Advances in Biological Sciences, ISSN: 2348-8069.
- Editorial Board member of Journal of Plant Science and Research, ISSN: 2349-2805.
- Editorial Board member of Indian Journal of Plant Sciences, ISSN: 2319-3824.
- Editorial Board member of Journal of Medicinal Plants Studies, ISSN: 2320-3862 (online), 2394-0530 (Print).