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UNIVERSITY OF NORTH BENGAL

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Raja Rammohunpur, Dist- Darjeeling, West Bengal, Pin-734013, India.



Department of Tea Science

Print

**Dr. Chandra Ghosh**

M.Sc., Ph.D., FIAT, FEHT

Associate Professor

Members of Learned Societies: Indian Association of Angiosperm Taxonomy, East Himalayan Society for Spermatophyte Taxonomy, Indian Society of Weed Science, Indian Fern Society, Paschim Banga Bigyan Mancha, Horticultural Society, Darjeeling, West Bengal.

**Contact Addresses:**

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Subject Specialization: Taxonomy of Angiosperms, Botany

Area of Research Interest: Floristic studies, Environmental Biology, Conservation, Medicinal plants, Ethnobotany, EIA/EMP, Forest Biology, Weed Science and Biodiversity

Number of Ph.D. students: a) Supervised: Nil b) Ongoing: Nil

Number of M. Phil. students: a) Supervised: Nil b) Ongoing: Nil

Number of Publications: a) Full Paper: 26 b) Books: 10 c) Popular articles: 06

Achievement & Awards:

1. **S.K. Seth Prize, 2004** [*Indian Forester, ICFRE*]
2. **T.R. Sahu Award 2009** [*Indian Association of Angiosperm Taxonomy*]
3. **Felicitation by Siliguri Horticultural Society 2009 for identification of Road-side Trees in Siliguri Municipal area**
4. **A. K. Pandey Biodiversity Award 2012** [*East Himalayan Society for Spermatophytic Taxonomy*]
5. **FEHT (2012)** [*Fellow of the East Himalayan Society for Spermatophyte Taxonomy*]
6. **FIAAT (2013)** [*Fellow of the Indian Association for Angiosperm Taxonomy*]
7. **OUTSTANDING PAPER AWARD (2016)** [*1st Regional Science & Technology Congress of W.B.*]
8. **OUTSTANDING PAPER AWARD (2017)** [*2nd Regional Science & Technology Congress of W.B.*]
9. **RESEARCH AWARD (2016-18)** [*University Grand Commission, New Delhi*]

Professional Experiences:

1. **Vinayak Mission university (M.Sc.)** (Ad-hoc) 01.01.2008 - 05.02.2009
2. **North Bengal St. Xavier's College (B.Sc)** (Contractual) 01.07.2009 - 20.02-2010
3. **North Bengal University, Dept. of Tea Science (M.Sc. & Pgdtn.)** (UGC. Research Awardee) 18.07.2016 - 17.07.2018
4. **Gour College, Malda, West Bengal (B.Sc.)** (Permanent) 08.03.2010 - 07.02.2019
5. **North Bengal University, Department of Tea Science (M.Sc. & Pgdtn.)** (Permanent) 08.02.2019-Till date.

Administrative Experiences:

1. Worked as Head of the Department of Botany, Gour Mahavidyalaya

2. Worked as Head of the Department of Botany, North Bengal St. Xavier's College
3. Worked as Member of Board of Studies, Moderator, Head-Examiner & Examiner of Gour Banga University & North Bengal University
4. Maintained Medicinal Plants Garden, Conservatory of Hydrophytes, Herbarium and Arboretum of Gour Mahavidyalaya
5. Worked as a Chairperson, Co-chairperson and Rapporteur of Scientific Session of different International and National Seminars
6. Worked as Co-editor, Reviewer in National and International Journals

Research Experiences:

- **Project Assistant:** *EIA/EMP for Teesta Low Dam Hydroelectric Project, Stage-III* [includes intensive floristic survey & mapping in the Teesta Valley] for the period of June 2001 to February 2002. Sponsor: **NHPC**
- **Project Assistant:** *Estimation of Palatable Biomass of Jaldapara Wildlife Sanctuary* for the period of August 2002 to December 2002. Sponsor: **UNDP**.
- **Project Assistant:** *EIA/EMP for Teesta Low Dam Hydroelectric Project, Stage-IV* [includes intensive floristic survey and mapping in the Teesta Valley] for the period of March 2003 to August 2003. Sponsor: **NHPC**
- **Project Assistant:** *Biological survey of proposed corridors between the natural conservatories in Darjiling Hills* for the period of October 2004 to December 2004. Sponsor: **ICIMOD**
- Naming of *Trees in NBU Campus*
- **Identification Assistant:** *Identification of plants in the forest preservation plots, Silviculture Division, Darjiling*. Sponsor: **FSI**
- **Senior Research Fellow:** *Survey, conservation, development of propagation techniques and popularisation of cultivation of medicinal plants in Terai, Duars, Hills of North Bengal and Sikkim* for the period of April 2005 to April 2008. Sponsor: **NMPB**
- *Survey for Monitoring of Plantations under NAEB Project in Baikunthapur Forest Division, 2004 – 2005 & 2005 – 2006*. Sponsor: **Dept. of Forests, Govt of W.B.**
- *Survey for Monitoring of Plantations under NAEB Project in Jalpaiguri Forest Division, 2004 – 2005 & 2005 – 2006*. Sponsor: **Dept. of Forests, Govt of W.B.**
- **Research Associate:** *Extension of Cultivation of Medicinal Plants and the Exploration of Oil Yielding Plants in North Bengal* for the period of August 2008 to February 2010. Sponsor: **Dept. of Food processing industries and Horticulture, Govt. of WB.**
- *Exploration of Medicinal Plants in FRLHT recognized different MPCA sites in North Bengal plains* (collaboration with the **Department of Forest, Govt. of West Bengal**).

Research Projects:

Completed Project:

1. Ethnobotanical Study of Bamangola Block of Malda District in West Bengal. November 2011 to November 2013. As Principle Investigator (UGC. Minor Research Project)
2. Floristic Exploration and Conservation of Endemic and Endangered Species in Jaldapara National Park in West Bengal, India. July 2016 to July 2018. As **Principle Investigator** (UGC. Research Award)

Ongoing project:

1. Nil

Technical presentations:

1. **Seminars/ Conferences/ Workshops Attended:** INTERNATIONAL: 07; NATIONAL: 36
2. **Seminars/ Workshops Organized:** UGC Sponsored National Seminar: 02; One day seminar: 06
3. **Invited Lectured:** 10

Selective List of Publications (2017-2019):

1. **Ghosh, Chandra;** Sharma, Bidya D. & Das, A.P. 2004. Weed flora of tea gardens of Darjiling Terai. *Bull. Bot. Surv. India*, 46: 151 – 161.
2. Pandit, P. K.; **Ghosh, Chandra** & Das, A. P. 2004. Non-timber Forest Produces of Jaldapara Wild Life Sanctuary: an Assessment. *Indian Forester*, 130: 1169 – 1185. [S.K. Seth Prize winner] [ISSN 0019-4816]
3. **Ghosh, Chandra** & Das, A.P. 2004. The materials and method of Jhara preparation by the tribal inhabitants of Tea Gardens in Terai of West Bengal (India). *Indian Journal of Traditional Knowledge*, 3(4): 373 – 382. [ISSN 0972- 5938]
4. **Ghosh, C.** & Das, A.P. 2005. Effects of grassland expansion on the herbaceous flora of Jaldapara wildlife sanctuary. In *Stress Biology*, ed. U. Chakraborty & B.N. Chakraborty. Narosa Publishing House, New Delhi. Pp 186 – 191.
5. Das, A.P.; **Ghosh, Chandra;** Sarkar, Ajita & Biswas, Rajib 2007. Ethnobotanical Studies in India with Notes on Terai- Duars and Hills of Darjiling and Sikkim. *NBU J. Pl. Sci.* 1: 67 – 83. [ISSN 0974-6927]

6. **Ghosh, Chandrâ** & Das, A.P. 2007. Use of dye yielding plants by the tribal Tea Garden workers in Terai and Hills of Darjiling. *Pleione* 1(1): 19 – 22. [ISSN 0973-9467]
7. **Ghosh, Chandrâ** & Das, A.P. 2007. Rhino-Fodders in Jaldapara Wildlife Sanctuary in Duars of West Bengal, India. *Our Nature* 5: 14 – 20. [ISSN 2091-2781]
8. Das, A.P. & **Ghosh, Chandrâ** 2007. Flora of Darjiling and Sikkim in the background of changing environment. In the Proceedings of State level seminar on “*Urban Biodiversity and Management of Natural Resources*”, Department of Botany, R. D. National College, Mumbai. Pp. 2 – 15.
9. **Ghosh, Chandrâ** & Das, A.P. 2007. Plants of Ethnobotanical Significance for the Tea Garden Workers in Terai and Duars of Darjeeling in West Bengal, India. In *Advances in Ethnobotany*, ed. A.P. Das & A.K. Pandey, Bishen Singh Mahendra Pal Singh, Dehradun. Pp. 133 – 147. [ISBN 978-81-211-0613-9]
10. Das, A.P.; **Ghosh, Chandra** & Paul, T. K. 2008. *Geissaspis cristata* Wight et Arnott – an addition to the state flora of West Bengal. *Pleione* 2(1): 55 – 57. [ISSN 0973-9467]
11. **Ghosh, Chandra**; Biswas, Rajib & Das, A. P. 2008. Ethnic uses of some pteridophytic weeds of tea gardens in Darjeeling and Terai. *NBU J. Pl. Sci.* 2: 86 – 93. [ISSN 0974-6927]
12. Anant Kumar, **Chandra Ghosh** & T. K. Paul 2009. *Hypoestes phyllostachya* Baker (Acanthaceae): a new record for West Bengal, India. *Pleione* 3(2): 227 – 228. [ISSN 0973-9467]
13. **Chandrâ Ghosh** & A. P. Das (2009). On the occurrence of some endemic and rare ferns growing as Tea Garden weeds in Darjiling, India. *Indian Fern Journal* 26: 65 – 70. [ISSN 0970-2741]
14. A. F. M. Manzur Kadir; **Chandra Ghosh** & A. P. Das 2009: Interspecific Association Between *Streptocaulon sylvestre* Wight and its Associated Species in Sub-Himalayan Herbland of Darjeeling in India. In *Advances in Plant Biology*, ed. S. Mandal & S. Bhattacharyya. Pp. 195 – 208.
15. P. K. Mitra, P. Mitra, A. P. Das, **C. Ghosh**, A. Sarkar and D. Chowdhury 2010. Screening the efficacy of some East Himalayan medicinal plants on ethanol induced gastric ulcer in albino rats. *Pleione* 4(1): 69 – 75. [ISSN 0973- 9467]
16. A. P. Das, **C. Ghosh**, A. Sarker, R. Biswas, K. Biswas, D. Choudhury, A. Lama, S. Moktan and A. Choudhury 2010. Preliminary reports on the Medicinal Plants from three MPCAs in Terai and Duars of West Bengal, India. *Pleione* 4(1): 90 – 101. [ISSN 0973-9467]
17. A. P. Das, A. K. Samanta & **C. Ghosh** 2010. A checklist of Angiospermic Climbers of Darjiling and Sikkim parts of Eastern Himalaya including Terai and Duars. *Pleione* 4(2): 185–206. [ISSN 0973-9467]
18. A. P. Das & **C. Ghosh** 2010. Plant wealth of Darjiling and Sikkim Himalayas *vis-à-vis* Conservation. *NBU J. Pl. Sci.* 5 (1): 25-33. [ISSN 0974-6927]
19. **Chandrâ Ghosh** & A. P. Das 2011. Some useful and poisonous tea garden weeds from Darjeeling, India. *Pleione* 5 (1): 91-114. [ISSN 0973-9467]
20. **Ghosh, Chandra** 2012. Floral Harmony in North Bengal, *Gour Mahavidyalaya Journal* 1(1): 52 – 59. [ISBN 978- 81-920386-0-5]
21. **Ghosh, Chandra**, Paul, T.K. & Das, A.P. 2013. Rediscovery of *Hibiscus fragrans Roxburgh (Malvaceae)* from Jalpaiguri National Park in Duars of West Bengal, India. *Pleione* 7(2): 531-537. [ISSN 0973-9467]
22. **Ghosh, Chandrâ** 2014. A checklist of Ethnobotanically significant plants from the Tribal dominated Bamangola Block of Malda District of West Bengal. In the Proceedings of National Seminar on Situating the Dalits in Post Colonial India: Their Voices, Opportunities and Empowerment, Dr. B. R. Ambedkar Study Centre, Gour Mahavidyalaya, Malda, 107 – 116.
23. **Chandrâ Ghosh** 2015. Ethnobotanical Survey in the Bamangola Block of Malda District, West Bengal (India): I. Edible plants. *Pleione* 9(1): 167 – 177. [ISSN 0973-9467]
24. A.P.Das & **Chandra Ghosh** 2016. *Camellia sinensis* var. *lasiocalyx* (G. Watt) A.P.Das & C. Ghosh- new combination name for the Cambode variety of tea. *Pleione* 10(1): 167-168. [ISSN 0973-9467]
25. **Chandrâ Ghosh** 2017. Ethnobotanical survey in the Bamangola Block of Malda District, West Bengal (India): II. Medicinal and Aromatic plants. *Pleione* 11(2): 249 - 267. [ISSN 0973-9467]
26. Sayed Edward Kabir & **Chandra Ghosh** 2018. Tea Cultivation in the Indian Himalayan Region. In *Plant Diversity in the Himalaya Hotspot Region* Vol. II, ed. A.P.Das & Subir Bera, Bishen Singh Mahendra Pal Singh, Dehra Dun. Pp. 743 – 767. [ISBN: 978-81-211-0985-7]

Books

1. **Diversity and Conservation of Plants and Traditional Knowledge [553 pgs]** [ISBN 978-81-211- 0849-2] By: Sauris Panda & Chandra Ghosh (2012). Bishen Singh Mahendra Pal Singh, Dehra Dun
2. **Recent Studies in Biodiversity and Traditional Knowledge in India [382 pgs]** [ISBN 978-81- 920386-1-2] By: Chandra Ghosh & A.P. Das (2011). Gour Mahavidyalaya & Sarat Impression Pvt Ltd, Kolkata
3. **Authors of Botanical Names [23 pgs]** [ISBN 978-81-924956-1-3] By: A.P.Das, T.K. Paul & Chandra Ghosh (2012). East Himalayan Society for Spermatophyte Taxonomy.
4. **Dendrochronology and Conservation of East Himalayan Biodiversity [73 pgs]** By: A.P. Das & Amalava Bhattacharyya. Edited by: Chandra Ghosh (2012). Gour Mahavidyalaya.
5. **Veshaja Uvid Sangraha, Sanrakan 0 sachatenata (in Bangla) [71 pgs]** [ISBN 978-81-920386-2-9] By: Chandra Ghosh & Prantosh Sen (2012). Gour Mahavidyalaya, Malda.

6. **Evolution, Darwin and Future of the Biosphere [40 pgs]** By: A.P. Das. Edited by: Chandra Ghosh (2010). Gour Mahavidyalaya, Malda.
7. ***Hundred Medicinal Plants from North Bengal [100 pgs]*** By: A.P. Das, Chandra Ghosh, Ajita Sarker & Dibakar Choudhury (2010). University of North Bengal.
8. **Germplasm Collection in Garden of Medicinal Plants, North Bengal University [47 pgs]** By: A.P. Das & Chandra Ghosh (2009). University of North Bengal.
9. ***Veshaja Uvid Chas o Tar Byabahaar*** (in Bangla) [106 pgs] By: A.P. Das, M.U. Alam, Chandra Ghosh & Rajib.
10. **MedicinalPlants:Suitablefor cultivation in Northern Bengal [61 pgs]** By: A.P. Das, M.U. Alam, Chandra Ghosh, Sujoy Sen (2006). University of North Bengal