

FACULTY

DR. SENTU KUMAR DEY

STATE AIDED COLLEGE TEACHER (SACT-I)

Department of Botany

South Calcutta Girls' College

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Academic Qualification- M. Sc. (Botany); Ph.D.

Specialization- Taxonomy and Biosystematics

Research Interest- Taxonomy and Biosystematics;

Floristics; Biodiversity; Ethnobotany.

Total No of Publication = 22

Ph. D.:

Title of the thesis: *Diversity of flowering plants of Zemu and Lhonak Valley, Sikkim.*

Awarded on: 13th December, 2017

From: Department of Botany, University of Calcutta

Name of the project work during M. Sc. : Range of Host variation of *Cuscuta* (Cuscutaceae) in Nadia district (WB) along with haustorial structure in some host plants.

Award:

Best oral presentation awards in the International Conference on. The Green Planet Past, Present and Future in Department of Botany, University of Calcutta. December 21-23, 2016.

Achievements:

New species/new taxa	: 07
New records	: 03
Rediscovery	: 03
Typification	: 02
New synonym	: 01

Seminar/workshop participated:

1. Participated in the State level seminar, 'Swami Vivekananda and the youth of modern India' organized by National Service Scheme & University of Kalyani (NSS-KU), 2012.
2. Presented two posters, 'Heavy metal accumulation in fern' and 'Spore bank of fern' in the poster session during the workshop, named: **Cryptogam the key contributor of ecosystem** (Probir Chatterjee Research Foundation), 2012.
3. Presented poster on 'Diversity of seed plants of Zemu & Lhonak valley of Sikkim- an overview' in the poster session in the "National Symposium and XXIII Annual Conference of IAAT" Nagpur, Maharashtra, 2013.
4. Participated in the Seminar entitled "Excitements in Taxonomy & Ethnobotany for young Researchers" and **Medal Awarding Ceremony of IAPT & SEB** organized by Botanical survey of India, Kolkata, June 19,

2014.

5. Participated in the National workshop on '**Taxonomy and Biosystematics of Vascular Plants**' organized by Taxonomy and Biosystematics Laboratory, Department of Botany, University of Calcutta, July 14-22, 2014.
6. Presented poster on "**Rediscovery and taxonomic history of *Pseudoyoungia simulatrix* (Bab.) D. Maity & Maiti (Cichorieae-Asteraceae) from India**" in the 24th International Conference on "Trends in Plant Systematics (TIPS)" Tiruchirappalli, Tamilnadu, 2014.
7. Presented poster on "**Rediscovery of the Remarkable East Himalayan Species *Diplarche pauciflora* Hook. f. & Thomson (Ericaceae) in India after a Century and its Taxonomy**" International Seminar on Advancements in Angiosperm Systematics and Conservation, Calicut, Kerala, 2015.
8. Participated in Workshop on "**CHROMATOGRAPHY-a technique for analysis of biomolecules from natural resources and agricultural crops** (HPTLC, HPLC, GC, GCMS, SPME-GCMS)" organized by Department of Botany, University of Calcutta January 5-8, 2016.
9. Presented oral on "**The Taxonomy of *Diplarche* J.D. Hooker & Thomas Thomson (Ericaceae)**" in **International Seminar** on Conservation and Sustainable Utilization of Biodiversity in Shivaji University, Kolhapur, Maharashtra. November 7-9, 2016.
10. Presented oral on "**Additions to the Flora of India and notes on rediscovery of some rare species of angiosperms after 100 years from India**" in the **International Conference** on The Green Planet Past, Present and Future in Department of Botany, University of Calcutta. December 21-23, 2016.
11. Presented oral on "**Revised forest flora of Zemu and Lhonak Valley, Sikkim**" in 27th annual conference of Indian Association for Angiosperm Taxonomy & International Symposium on "Plant Systematics: Priorities and Challenges" in Delhi University, Delhi, November 2017.
12. Participated in the National Seminar on '**Recent Advancement in Cryptogamic Botany**' organized by Probir Chatterjee Research Foundation and CAS, Department of Botany, University of Calcutta, February 2, 2018.
13. Participated in the **International workshop** on "**Plant Systematics: Challenges and Perspectives and Dr. Dan H. Nicolson Memorial Lectures**", Organized by: Department of Botany, University of Calcutta on and from February 13-23, 2017.
14. Participated in the **National workshop** on "**Taxonomy of Vascular Plants: Principles & Practices**" Organized by Department of Botany, University of Calcutta on and from March 5-12, 2018.
15. Participated in the **National workshop** on "**B.Sc. Practical Syllabus (Algae and Fungi)**" organized by Probir Chatterjee Research Foundation and CAS, Department of Botany, University of Calcutta, August 1, 2018.

Publications:

1. Maity, D., **Dey, S. K.**, Ghosh, J. and Midday, M. 2018. *Gentiana arunii* sp. nov. – tiny remarkable *Gentiana* from Sikkim Himalaya. *Edinburgh J. Bot.* 75 (1): 117–125. <https://doi.org/10.1017/S0960428617000373>.
2. Maity, D. and **Dey, S. K.** 2018. Rediscovery of *Melanoseris bracteata* (Hook. f. & Thomson ex C.B. Clarke) N. Kilian (Asteraceae) in India with its nomenclatural notes and lectotypification of its basionym. *Pleione* 12(1): 59–65.
3. Ghosh, J., Midday, M., **Dey, S. K.** and Maity, D. 2018. *Daphne thanguensis* sp. nova (Thymelaeaceae) from Sikkim Himalaya. *Nordic Journal of Botany*. DOI-10.1111/njb.01714.
4. Ghosh, J., Midday, M. & **Dey, S. K.** 2018. Notes on the occurrence of *Gentiana vernayi* C. Marquand (Gentianaceae) in India. *J. Econ. Env. Soci.* 2(1): 63–67.
5. Midday, M., Ghosh, J., **Dey, S. K.** and Maity, D. 2017. *Rubus franchetianus* H. Lev. var. *franchetianus* (Rosaceae): an addition to the flora of Sikkim. *Pleione* 11(2): 512 - 515.
6. Maity, D. and **Dey, S. K.** 2017. Notes on the occurrence of *Gentiana karelinii* Griseb. (Gentianaceae) in India. *Pleione* 11(2): 525 - 528.
7. **Dey, S. K.** and Maity, D. 2016 Taxonomy and distribution of *Gentiana vernayi* C. Marquand (*Microsperma*-Gentianaceae) in India. *Nordic Journal of Botany*.doi: 10.1111/njb.01417, ISSN 1756-1051.
8. **Dey, S. K.** and Maity, D. 2016. *Lomatogonium cherukurianum* sp. nov. (Gentianaceae) from Sikkim Himalaya. *Nordic Journal of Botany*. 10.1111/njb.01378, ISSN 1756-1051.
9. **Dey, S. K.** and Maity, D. 2016. The rediscovery of *Youngia atripappa* (Babc.) N. Kilian in India after a century; its circumscription and nomenclature, and the lectotypification of *Crepis atripappa* Babc. *Taiwania* 61(4): 362–368.
10. Maity, D., **Dey, S. K.** and Favre, A. 2016. Two new varieties of *Kuepferia pringlei* (Gentianaceae) from Sikkim Himalaya. *Nordic Journal of Botany* 34: 578–583.doi: 10.1111/njb.01201.
11. Maity, D., **Dey, S. K.** and Favre, A. 2016. *Kuepferia kanchii* sp. nov. (Gentianaceae) from Sikkim Himalaya. *Nordic Journal of Botany* 34:416–420. doi:10.1111/njb.01050.
12. Maity, D. and **Dey, S. K.** 2015. Circumscription of *Diplarche multiflora* J.D. Hooker & T. Thomson and *D. pauciflora* J.D. Hooker & T. Thomson (Ericaceae) with notes on the rediscovery from India. *Pleione* 9(2):495–506.
13. **Dey, S. K.**, Maity, D. and Pringle, J. S. 2015. Intraspecific variation in *Gentiana macrauchena* (Gentianaceae), the extension of its known range to India and lectotypification of the name *Gentiana incompta*. *Taiwania* 60(4):208–212.
14. **Dey, S. K.** and Maity, D. 2015. *Kuepferia pringlei* (Gentianaceae), A new species from the Eastern Himalaya. *Edinburgh J. Bot.* 72 (3): 429–436.

15. **Dey, S. K.** and Maity, D. 2015. Rediscovery of *Pseudoyoungia simulatrix* (Cichorieae-Asteraceae) from India and its taxonomic history. *Rheedeia* 25(1):31-35.
16. Maity, D., **Dey, S. K.**, Chatterjee, S. and Maiti, G.G. 2015. Ethnobotany and environmental management by the tribal communities of Patrattu, Hazaribagh district, Jharkhand. *Explor. Anim. Med. Res.* 5(1): 44-61.
17. **Dey, S. K.** and Maity, D. 2015. *Gentiana oreodoxa* Harry Smith (Gentianaceae): note on its rarity and occurrence in India. *Pleione* 9(1): 235 – 239.
18. Maity, D., Zhang, J. W. and **Dey, S. K.** 2014. New record of *Paris polyphylla* Smith var. *nana* H. Li (Liliaceae) from India. *J. Botan. Soc. Bengal* 68(2):117–118.
19. M. Mandal, S Paul & **Dey, S. K.** 2014. Ethno-Medicobotany of Some Tribal Communities of Bankura District, West Bengal, India. *Explor. Anim. Med. Res.* 4(1): 64-80.
20. Maity, D. and **Dey, S. K.** 2013. A new combination under *Himalaiella* Raab-Straube (Cardueae-Compositae). *J. Botan. Soc. Bengal* 67(2):149-150.
21. **Dey, S. K.** & Mukherjee, S. K. 2013. Range of host variation of *Cuscuta* (cuscutaceae) in Nadia district (West Bengal) along with haustorial structure in some host with plants. *IJPRBS* 2(4): 72-95.