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Research interests: Taxonomy and Biosystematics; Floristics; Biodiversity; Anatomy; Ethnobotany

Ph.D. Students : Degree awarded-7; Submitted -2; Registered- 3

Projects:

1. Foliar architecture of Indian members of the family Sterculiaceae and its systematic relevance (UGC)
 2. Floristic composition and its diversity of alpine pasture of Zemu and Lhonak valley of Sikkim (SERB)
 3. Floristic Diversity and its composition of the Alpine Pastures of Sikkim (Eastern Himalaya) and Capacity Building in Taxonomy (MoEF&CC)
- PI of prestigious “Taxonomy Training and Research Centre”, MoEF&CC, Govt. of India, at Department of Botany, University of Calcutta
 - Collaboration:
 - Kunming Institute of Biology, Chinese Academy of Science
 - Harvard University
 - Forest and Environment Department, Government of Sikkim
 - Botanical Survey of India

Articles published: 123; Proceeding chapters: 08; Book chapters: 05; ENVIS reports (Newsletter): 05; BOOKS: 07

Publications:

1. Midday, M., Ghosh, J., and **Maity, D.** 2021. Taxonomic circumscription, new synonym and lectotypification of *Saxifraga umbellulata* (Saxifragaceae). *Phytotaxa* 480 (1): 097–102. DOI: <https://doi.org/10.11646/phytotaxa.480.1.11>.
2. **Maity, D.** 2020. Notes on the typification of *Hemigymnia macleodii* Griff. (Boraginaceae). *Pleione* 14(2):343-346. DOI: <https://doi.org/10.26679/Pleione.14.2.2020.337-340>.
3. Ghosh, J., Midday, M., Mandal, M. and **Maity, D.** 2020. Addition of *Tradescantia fluminensis* Vell. (Commelinaceae) to the flora of Sikkim. *Pleione* 14(2):367-369. DOI: <https://doi.org/10.26679/Pleione.14.2.2020.367-369>.
4. Midday, M., Ghosh, J., Pradhan, D. K. and **Maity, D.** 2020. Folk-medicinal uses of *Allium sikkimense* Baker (Alliaceae) in Sikkim Himalaya. *Explor. Anim. Med. Res.* 10(2):217-220.
5. Shalini, S., Sujana, K.A., Arisdason, W. and **Maity, D.** 2020. A new species of *Argyreia* (Convolvulaceae) from the southern Western Ghats, Tamil Nadu, India. *Rheedea* 30(4): 444-449. DOI:<https://dx.doi.org/10.22244/rheedea.2020.30.4.03>.
6. Ellis, L. T., O. M. Afonina, I. V. Czernyadjeva, L. A. Konoreva, A. D. Potemkin, V. M. Kotkova, M. Alataş, H. H. Blom, M. Boiko, R. A. Cabral, S. Jimenez, D. Dagnino, C. Turcato, L. Minuto, P. Erzberger, T. Ezer, O. V. Galanina, N. Hodgetts, M. S. Ignatov, E. A. Ignatova, S. G. Kazanovsky, T. Kiebacher, H. Köckinger, E. O. Korolkova, J. Larraín, A. I. Maksimov, **D. Maity**, A. Martins, M. Sim-Sim, F. Monteiro, L. Catarino, R. Medina, M. Nobis, A. Nowak, R. Ochya, I. Parnikoza, V. Ivanets, V. Plášek, M. Philippe, P. Saha, Md. N. Aziz, A. V. Shkurko, S. Ștefănuț, G. M. Suárez, A. Uygur, K. Erkul, M. Wierzgoń & A. Graulich 2020. New national and regional bryophyte records, 63, *Journal of Bryology*, DOI: 10.1080/03736687.2020.1750930.
7. Das Das, M., Pramanik, A. and **Maity, D.** 2020. Notes relating to the Indian Memecylaceae DC.: new combinations and new synonyms. *J. Botan. Soc. Bengal* 74(2): 40-46.
8. Saha, P., Aziz, N. and **Maity, D.** 2020. Addition of two species of Sematophyllaceae to the moss flora of West Bengal. *J. Botan. Soc. Bengal* 74(2): 119-123.
9. Shalini, S., Lakshminarasimhan, P., Arisdason, W. and **Maity, D.** 2021. Lectotypification of four names in the genus *Argyreia* (Convolvulaceae). *J. Japanese Bot.* 96(2) (in press).
10. Saha, P., Aziz, N. and **Maity, D.** 2020. New records of mosses from West Bengal, India. *Journal of Bryology* (in press).
11. Saha, P., Aziz, N. and **Maity, D.** 2020. Addition of two species of *Rhynchotegium* B.S.G. (Bryophyta, Musci) to the moss flora of West Bengal. *J. Bombay Nat. His. Soc.*

(in press).

12. **Maity, D.**, Midday, M. and Ghosh, J. 2019. Circumscription of *Gentiana harwanensis* (Gentianaceae) and its addition to the flora of Eastern Himalaya. *Rheedea* 29(4): 323–327.
13. Mandal, M. and **Maity, D.** 2019. Taxonomy of *Draparnaldia* Bory and *Draparnaldiopsis* G.M. Sm. and Klyver (Chaetophoraceae): recircumscription, new species, new combinations and *nomen novum*. *Feddes Repertorium*. DOI: 10.1002/fedr.201800027.
14. **Maity, D.**, Mandal, M. and L. Jie 2019. Where does *Juglans regia* L. (Juglandaceae) grow in Sikkim and Darjeeling Himalaya? *Juglans sigillata* Dode needs attention! *Pleione* 13(2): 393 - 398. doi:10.26679/Pleione.13.2.2019.393-398.
15. **Maity, D.** and Moktan, S. 2019. Japanese cedar (*Cryptomeria japonica* D. Don, Taxodiaceae) flowers in Arun Kumar Sharma Botanic Garden (AKSBG) at Kolkata, West Bengal, India. 13(2): 385 – 388. doi:10.26679/Pleione.13.2.2019.385-388.
16. Mitra, S., Ranjan, B. and **Maity, D.** 2019. *Castanopsis pathakii* (Fagaceae), a new species from Arunachal Pradesh, India. *Kew Bulletin* (2019) 74:33, DOI: 10.1007/S12225-019-9822-5.
17. Das, D. S., Rawat, D.S., Sinha, B.K., Singh, P., **Maity, D.** and Dash S.S. 2019. Contribution of the flora of Great Himalayan National Park, Himachal Pradesh, Western Himalaya-II. *Nelumbo* 60(1):26-37. “2018”. DOI: 10.20324/nelumbo/v60/2018/130525.
18. Midday, M., Ghosh, J. and **Maity, D.** 2019. *Lomatogonium gaurgopalii*, a new species of Gentianaceae from Sikkim Himalaya. *Edinburgh J. Bot.* DOI: 10.1017/S0960428619000155.
19. Ghosh, J., Midday, M. and **Maity, D.** 2019. *Sinopodophyllum hexandrum* subsp. *ramgopalii* subsp. nov. (Berberidaceae) from Sikkim Himalaya. *Nordic J. Bot.* DOI: 10.1111/njb.02181.
20. Hoque, A., Lakshminarasimhan, P. and **Maity, D.** 2019. Notes on four new synonyms of the genus *Dioscorea* Plum. ex L. *Pleione* 13(1): 146 - 157. DOI: 10.26679/Pleione.13.1.2019.146-157.
21. Mitra, S., Ranjan, B. and **Maity, D.** 2019. Pollen heteromorphism in *Diplarche* Hook. f. & Thomson (Ericaceae) and its taxonomic significance. *Taiwania* 64(1): 90-96. DOI: 10.6165/tai.2019.64.
22. Das, D.S., Singh Rawat, D.S., Sinha, B.K., Dash, S.S. and **Maity, D.** 2019. *Sabia campanulata* Wall. subsp. *ritchiae* (Rehder & E.H. Wilson) Y.F. Wu (Sabiaceae): An addition to the flora of India. *Nation. Acad. Sc. Let.* (DOI: 10.1007/s40009-019-00791-4).
23. Hoque, A., Lakshminarasimhan, P. and **Maity, D.** 2018. *Dioscorea longipedicellata*

(Dioscoreaceae), a new species from Indian subcontinent. *Phytotaxa* 367 (2): 173–178.

24. **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>.
25. Shalini, S., Lakshminarasimhan, P. and **Maity, D.** 2018. Taxonomy, distribution and lectotypification of *Argyreia longifolia* (Convolvulaceae), a poorly known Burmese species from Northeast India. *Rheedea* 28(2):78-83.
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27. Siddhanta, S., Bera. S. and **Maity, D.** 2018. Pollen morphology of some species of *Buddleja* L. (Buddlejaceae) from North–east India and its taxonomic significance. *Pleione* 12(2): 223 - 230.
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29. **Maity, D.** 2018. Type specimens of names in angiosperms at Calcutta University Herbarium (CUH) – II. *Nelumbo* 60 (1):44-50.
30. Mandal, M. and **Maity, D.** 2018. *Bulbochaete thanguensis* (Oedogoniaceae), a new species from Sikkim Himalaya, India. *Phytotaxa* 346 (3): 280–286.
31. Singh, V.K. and **Maity, D.** 2018. Morpho-plasticity in *Rhododendron lepidotum* Wall. ex G. Don (Ericaceae) along altitudinal gradients and comments on the names used under the species complex. *Pleione* 12(1): 66-80.
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35. Das Das, Moumita, Pramanik, A. and **Maity, D.** 2018. Nomenclatural notes on some Indian species of *Memecylon*. *Ann. Bot. Fennici* 55:149-154.
36. Das Das, Moumita, Giri, G. S., Pramanik, A. and **Maity, D.** 2018. Taxonomic status of *Memecylon petiolatum* (Melastomataceae) and its extension of distribution to India. *Feddes Repertorium* 129:51–57.

37. Bhadra, S., **Maity, D.** and Bandyopadhyay, M. 2018. Correlating karyomorphology and molecular marker analyses in turmeric: a case study. *Journal of Crop Improvement* 32(5):657-680. DOI: 10.1080/15427528.2018.1487354.
38. Hoque, A., Lakshminarasimhan, P. and **Maity, D.** 2017. *Dioscorea polystachya* (Dioscoreaceae): A new record for India. *Rheedea* 27(2):152–155.
39. Saha, Pamela, Aziz, Md. N. and **Maity, D.** 2017. Notes on the Occurrence of *Timmiella* (De Not.) Limpr., in Darjeeling District: A New Generic Record from Eastern Himalaya. *Indian J. For.* 40 (4): 413-418.
40. 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.
41. **Maity, D.** and Dey, S. K. 2017. Notes on the occurrence of *Gentiana karelinii* Griseb. (Gentianaceae) in India. *Pleione* 11(2): 525 - 528.
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43. Pattanayak, S. and **Maity, D.** 2017. Use of *Eleusine indica* (L.) Gaertn. (Kechila ghas) as an antipyretic medicine of herbivores. *Explor. Anim. Med. Res.* 7(1): 94–96.
44. **Maity, D.**, Sardar, A. and Dash, S. S. 2017. *Acmella radicans* (Asteraceae), an American weed new to Eastern India. *Nelumbo* 59(1):54–57.
45. Ghosh, J., Midday, M. and **Maity, D.** 2017. *Tussilago farfara* L., a promising ethnomedicinal plant of Sikkim. *Explor. Anim. Med. Res.* 7(1):100–103.
46. 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.
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48. 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.
49. Das Das, Moumita, Giri, G. S., Pramanik, A. and **Maity, D.** 2016. *Memecylon macneillianum* (Melastomataceae), a new species from South Andaman, India. *Telopea* 19: 185–191.
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51. **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.

52. **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.
53. Das Das, Moumita, Sujana, K. A., Pramanik, A. and **Maity, D.** 2016. A New Variety of *Memecylon lawsonii* Gamble (Memecylaceae DC.) from Kerala, South India and the status of *Memecylon kurichiarensis* Sivu *et al. NeBIO* 7(1):1–5.
54. Ellis, L. T., M. Alataş, A. K. Asthana, K. K. Rawat, V. Sahu, A. Srivastava, V. A. Bakalin, N. Batan, H. Bednarek-Ochyra, S. P. Bester, E. A. Borovichev, D. De Beer, J. Enroth, P. Erzberger, V. E. Fedosov, C. Feuillet-Hurtado, S. R. Gradstein, N. J. M. Gremmen, L. Hedenäs, T. Katagiri, T. Yamaguchi, M. Lebouvier, **D. Maity**, A. Mesterházy, F. Müller, R. Natcheva, Cs. Németh, J. Opisso, T. Özdemir, H. Erata, I. Parnikoza, V. Plášek, S. Sabovljević, A. D. Sabovljević, P. Saha, Md Nehal Aziz, W. Schröder, J. Váňa, J. van Rooy, J. Wang, Y.-J. Yoon & J. H. Kim (2016): New national and regional bryophyte records, 47, *Journal of Bryology* **38**(2): 151–167. DOI: 10.1080/03736687.2016.1171453
55. Ellis, L. T., A. K. Asthana, P. Srivastava, I. Omar, K. K. Rawat, V. Sahu, M. J. Cano, D. P. Costa, E. M. Dias, N. Dias dos Santos, J. B. Silva, V. E. Fedosov, M. N. Kozhin, E. A. Ignatova, S. R. Germano, E. O. Golovina, N. J. M. Gremmen, R. Ion, S. Ştefănuţ, M. von Konrat, M. S. Jimenez, G. M. Suárez, T. Kiebacher, M. Lebouvier, D. G. Long, **D. Maity**, R. Ochyra, I. Parnikoza, V. Plášek, L. Fialová, Z. Skoupá, S. Poponessi, M. Aleffi, M. S. Sabovljević, A. D. Sabovljević, P. Saha, M. N. Aziz, J. Sawicki, M. Suleiman, B.-Y. Sun, J. Váňa, T. Wójcik, Y.-J. Yoon, J. Żarnowiec & J. Larrain 2016. New national and regional bryophyte records, 46, *Journal of Bryology* 38(1):47–63. DOI: 10.1080/03736687.2015.1123344.
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66. Mitra, Sonia, Maiti, G. G. and **Maity, D.** 2015. Structure and distribution of heteromorphic stomata in *Pterygota alata* (Roxb.) R. Br. (Sterculiaceae). *Adansonia*, sér. 3, 37 (1): 139-147.
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Award/honour

Taxonomist & Ethnobotanist in International evaluation committee of the Food and Agriculture Organisation of United Nations (FAO) for International Project “*A Strategic Road Map for Developing the Medicinal and Aromatic Plants Sectors in Bhutan*” in 2010. [Study conducted under: “*Organic Production of Under-utilized Medicinal, Aromatic and Natural Dye Plants Programme for Sustainable Livelihoods in South Asia*” (GCP/RAS/108/IFA).

Arun Pandey Biodiversity Award 2016. By East Himalayan Society for Spermatophyte Taxonomy [for contribution on the plant diversity of sub-alpine and alpine Himalaya]

K. S. Manilal Award (Best paper in Floristic including new taxa/new reports) in the

International Seminar on “Present Trends and Future Prospects of Angiosperm Taxonomy”, held at Agharkar Research Institute, Pune, October 4-6, 2006.

Best paper in ‘Floristics and Systematics (Theme-1)’ in the **International Seminar** on “Multidisciplinary Approaches in Angiosperm Systematics”, held at University of Kalyani, Kalyani, West Bengal, October 11-13, 2008.

Best Research Poster (Session IV) in the XXIII Conference of Indian Association for Angiosperm Taxonomy and national seminar on “Recent Advances in Plant Taxonomy Research”, Nagpur, 2013.

Editor/or Editorial Board Member/Executive member

1. Executive member:

- i. International Society of Plant Morphologists (ISPM);
- ii. East Himalayan Society for Spermatophyte Taxonomy (EHSST).
- iii. Probir Chatterjee Research Foundation (PCRF);
- iv. Botanical Society of Bengal (BSB);

2. **Editor** (board of Editors) of the journal *Pleione*. Official journal of the East Himalayan Society for Spermatophyte Taxonomy.

3. **Secretary (Out Station)**. East Himalayan Society for Spermatophyte Taxonomy.