



UNIVERSITY OF CALCUTTA

ACADEMIC DEPARTMENT

FACULTY ACADEMIC PROFILE

1. **Full name of the faculty member:** Dr. Saurav Moktan

2. **Designation:** Assistant Professor

3. **Specialization:** Plant Taxonomy & Biosystematics

4. **Contact information:**

Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata-700019; Email: sauravmkn@gmail.com; Phone No: +91 7384336285



5. **Academic qualifications:**

Please mention here the degrees (graduation onward):

College/ University from which the degree was obtained	Abbreviation of the degree
Darjeeling Government College	B.Sc (Hons.)
University of North Bengal	M.Sc.
University of North Bengal	Ph.D

6. **Positions held/holding:**

(September 2015 – Present), Assistant Professor, Department of Botany, University of Calcutta.

(June 2015 – September 2015), Assistant Professor (WBES), Department of Botany, Gorubathan Government College, Kalimpong.

(February 2015 – June 2015), Assistant Professor (WBES), Department of Botany, Darjeeling Government College, Darjeeling.

7. **Research interests:**

Plant Taxonomy & Systematics, Plant Ecology, Biodiversity & Conservation, Ethnobotany

8. **Research guidance:**

Number of researchers awarded M.Phil/ Ph.D degrees: NIL

Number of researchers pursuing M.Phil/ Ph.D: 04

9. Selected list of publications:

a) Journals:

- Rai, P. & **Moktan, S.** 2020. Diversity and Distribution of Vascular Epiphytic Flora in Sub-temperate Forests of Darjeeling Himalaya, India. *Ann. Res. Rev. Bio.*, 35(5): 63 – 81.
- Mondal, S. & **Moktan, S.** 2020. A Paradoxically Significant Medicinal Plant *Carapichea ipeacuanha*: A Review. 54(2s): s56 – s66.
- Lungphi, P., Mondal, S., **Moktan, S.** & Das, A.P. 2019. Leaf architectural studies in *Phyllanthus* L. (Phyllanthaceae) from Arunachal part of Eastern Himalaya in India. *Int. Res. Jour. Bio. Sci.*, 8(10): 38 – 47.
- Maity, D. & **Moktan, S.** 2019. Japanese cedar (*Cryptomeria japonica* D. Don, Taxodiaceae) flowers in Arun Kumar Sharma Botanic Garden (AKSBG) at Kolkata, West Bengal, India. *Pleione* 13(2): 385 – 388.
- Karmakar, D., **Moktan, S.** & Das, A.P. 2017. Foliar micro-morphological traits in some members of Ericaceae from Darjeeling Himalaya. *Pleione*, 11(2): 341 – 348.
- B.K. Tiwary, R. Ghosh, **S. Moktan**, V.K. Ranjan, P. Dey, D. Choudhury, S. Dutta, D. Deb, A.P. Das and R. Chakraborty. 2017. Prospective bacterial quorum sensing inhibitors from Indian medicinal plant extracts. *Lett. App. Microb.*, 65: 2 – 10.
- Lama, D., **Moktan, S.** & Das, A.P. 2015. Diversity and distribution of *Acer* Linnaeus (Sapindaceae) in Darjiling and Sikkim Himalayas. *Pleione* 9(1): 61 – 73.
- Gupta, S.K., Sharma, A. & **Moktan, S.** 2015. A review on some species of *Marchantia* with reference to distribution, characterization & importance. *Wor. Jour. Phar. Pharmaceu. Sci.* 1(4): 1576 – 1588.
- **Moktan, S.** & Das, A.P. 2014. Plant species Richness and Phytosociological attributes of the Vegetation in the cold temperate zone of Darjiling Himalaya, India. *Int. Res. Jour. Env. Sci.* 3(10): 47 – 57.
- **Moktan, S.** & Das, A.P. 2014. Diversity and composition of Tree stands in Tropical forests of the Darjiling part of Eastern Himalaya. *Int. Jour. Curr. Res.* 6(12): 10446 – 10451.
- **Moktan, S.**, Lama, P.C. & Pradhan, B. 2014. Role of Effective Microorganism (EM) in improving seed longevity and viability under adverse storage conditions. *Int. Jour. Adv. Life Sci.* 7(1): 119 – 127.
- Chhetri, P., Gudade, B.A., **Moktan, S.**, Bhattarai N.K. & Gupta, U. 2014. Study of diversity and species richness of weed flora in large cardamom (*Amomum subulatum* Roxb.) plantations at Sikkim. *Eco. Env. & Cons.* 20(1): 191 – 194.
- Chettri, D., **Moktan, S.** & Das, A.P. 2014. Ethnobotanical studies on the Tea Garden workers of Darjiling Hills. *Pleione* 8(1): 124 – 132.

- **Moktan, S.** & Das, A.P. 2013. Diversity and distribution of invasive alien plants along the altitudinal gradient in Darjiling Himalaya, India. *Pleione* 7(2): 305 – 313.
- **Moktan, S.** & Das, A.P. 2013. Ethnomedicinal approach for Diarrheal treatment in Darjiling district (WB), India. *Ethnobotany* 25: 160 – 163.
- **Moktan, S.** & Das, A.P. 2013. Phytosociological characterization of forested vegetation in the sub-tropical region of Darjiling Himalaya, India. *Pleione* 6(2): 373 – 380.
- **Moktan, S.**, Nirola, S. & Das, A.P. 2012. *Oplismenus undulatifolius* (Arduino) P. Beauvois [Poaceae]: a new record for West Bengal, India. *Pleione* 6(1): 247 – 249.
- Das, A.P., Ghosh, C., Sarker, A., Biswas, R., Biswas, K., Choudhury, D., Lama, A., **Moktan, S.** & Choudhury, A. 2010. Preliminary report on the Medicinal Plants from three MPCAs in Terai and Duars of West Bengal, India. *Pleione* 4(1): 90 – 101.

b) Books/ book chapters:

- D. Lama, **Moktan, S.** & Das A.P. 2018. The genus *Acer* L. (Sapindaceae) in Darjiling-Sikkim Himalayas. In, *Plant diversity in Himalayan Hotspot region* (eds.) A.P. Das and S. Bera. Bishen Singh Mahendra Pal Singh, Dehra Dun, India. Pp- 345-366.
- Shankar, Y., **Moktan, S.** & Das, A.P. 2015. Ethnomedicinal approach by the Lepcha tribe of Kalimpong area in Darjiling Hills. In Mondal, N. & Sen, J. (Ed.), *Nutrition and Health among Tribal Populations of India: A bio-cultural Approach*, B.R. Publishing Corporation, Delhi. Pp. 121 – 134.
- Lama, D., **Moktan, S.** & Das, A.P. 2015. Diversity of pollen morphological characters in *Acer* Linnaeus (Sapindaceae) from Darjiling and Sikkim Himalayas. In Tripathi, S.K. (Ed.), *Biodiversity in Indian Tropical Ecosystem*, Today & Tomorrow Printers & Publishers, New Delhi. Pp. 153 – 165.
- Das, A.P. & **Moktan S.** 2015. Diversity and species richness of ground cover vegetation in temperate belt of Darjiling Hills. In Debnath, S., Bagchi, B. & Misra, S. (Ed.), *Modern Trends in Social and Basic Sciences*, Readers Service, Kolkata. Pp. 174 – 182.
- **Moktan, S.** & Das, A.P. 2011. Dominance-diversity and Species richness of herb species in the foothill forests of Kurseong. In Ghosh, C. & Das, A.P. (Ed.), *Recent Studies in Biodiversity and Traditional Knowledge in India*, Gour Mahavidyalaya, Malda. Pp. 145 – 151.

c) Other publications:

- Devadas, R., Medhi, R.P., **Moktan, S.** & Khatiwara, P. 2007. Salient features of DUS Testing on Orchids. *NRCO/DUS Bulletin*, National Research Centre for Orchids (ICAR), Pakyong, Sikkim.

10. Membership of Learned Societies:

- Life member of East Himalayan Society for Spermatophyte Taxonomy (EHSST)
- Life member of Botanical Society of Bengal
- Life member of Probir Chatterjee Research Foundation (PCRB)