



ENLIGHTENMENT TO PERFECTION

UNIVERSITY OF NORTH BENGAL

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

Department of Botany

Print

## Dr. Jnan Bikash Bhandari



M.Sc., Ph.D., (Botany)

Associate Professor

Members of Learned Societies: Two

Life Member – Indian Fern Society &amp; Natural Member of Eastern Himalayan Society for Spermatophyte Taxonomy



### Contact Addresses:

**Contact No.** 98321 38394 & 9474689236  
**Mailing Address** Department of Botany, University of North Bengal, P.O.- NBU, Dist- Darjeeling, West Bengal, Pin -734013, India.  
**e-Mail** [jnanbikashbhandari@nbu.co.in](mailto:jnanbikashbhandari@nbu.co.in)

**Subject Specialization:** Pteridology and Paleobotany

**Areas of Research Interest:** Classical and Molecular Pteridology, Biodiversity Conservation, Stress Physiology, Bio-remediation etc.

**No. of Ph.D. students:** (a) Supervised: Nil (b) Ongoing: 4

**No. of M.Phil.students:** (a) Supervised: Nil (b) Ongoing: Nil.

**No. of Publications:** 21 (a) Journal(s): 16 (b) Book(s): 2 (c) Book chapter(s): 05

### Achievement & Awards:

- Certificate of Merit 2000 by Indian Fern Society for research performance in the field of Pteridology.
- S.S. Bir Medal for Excellence in Research in Pteridology

### Professional Experiences:

- High School Teaching: 6 years 3 months approx. (16.01.2001 to 11.04.2007) & UG Level Teaching Experience: 11 years 5 months (12.4.2007 to 14.9.2018)

### Administrative Experiences:

- Head- Department of Botany, Siliguri College for 1.6 years (approx. )

### Postdoctoral research and Training:

- None

### Selective List of Publications:

#### Books:

- Eco-Conservation and Sustainable Living. Edited by C.Gurung and J.B. Bhandari (Narosa Publishing House, New Delhi, 2013).
- The Vittarioid ferns of India. Bhandari, J.B. and Mukhopadhyay, R. 2009. Bishen Singh and Mahendra Pal Singh, Dehradun.
- Manual on Instrumentation (In Press).

#### Publications:

#### Papers:

- Cultivation and *Ex situ* Conservation of a Threatened Evergreen Shrub *Ruscus hypoglossum* L. under Greenhouse Conditions. Authors: Cyaria Gurung, **Jnan Bikash Bhandari** and Anirudra Gurung. *J. Bot. Soc. Bengal* 70(2), 2016. pp153-156. ISSN 0971-2976.
- Morpho Anatomical And Biochemical Characterization Of *Davallia griffithiana* Hook. Authors: Ishani Lahiri, Cyaria Gurung, **Jnan B. Bhandari** and Smitha Hegde *Indian Fern Journal*, 2016. 33: Pp. (212-221)· ISSN 0970- 2741.
- Impacts of Global Climate Change on Medicinal and Aromatic Plants from Indian Perspectives- A Review. S. Bhandari and **J.B. Bhandari**. *Climate Change and Adaptations*. Edited by Anirudra Gurung. Bishen Singh Mahendra Pal Singh, Dehradun, 2017. pp 131-136. ISBN-978-81-211-0964-2.
- Bhandari, J. B. 2013. Evaluation of morpho-anatomical and Pharmacognosical properties of a medicinal Fern *Drynaria quercifolia* (L.) J. Sm. *Biotechnology for People*, Levant Books, Kolkata.
- Bhandari, J.B. 2013. Evaluation of Phyto-chemical Properties of Four Different Species of Epiphytic Ferns of Darjeeling District. *Eco- Conservation and Sustainable Living*, Narosa Publishing House, New Delh. Pp. 176-182.
- Ganguly, G., **Bhandari, J. B.** and Mukhopadhyay, R. 2005. Studies in the Morpho-Anatomy of some Indian Species of *Loxogramme* (Loxogrammaceae). *Geophytology*, **35 (1 & 2)**: 19-24.
- **Bhandari J. B.**, Choudhury, S. and Mukhopadhyay, R., 2004. Morphoanatomy and affinity of members of Antrophyums in India. *Indian Fern J.*, **21** : 26-44.
- **Bhandari, J.B.** and Mukhopadhyay, R, 2003. Studies on the Morpho Taxonomy of Idnain Vittarioid Ferns. In: *Pteridology in the New Millennium*, 205-215 (EDS), Chandra, S. & Srivastava, M., Kluwer Academic Publishers, Netherlands.
- **Bhandari, J. B.** and Mukhopadhyay, R, 2001. Morphological, anatomical and phytochemical observations on two species of *Vittaria* Smith. *J. Econ. & Tax. Bot.* Additional Series No., (Recent Researchers in Plant Anatomy and Morphology) **19** :215-224.
- **Bhandari, J. B.** and Mukhopadhyay, R, 2001. Studies in the spore morphology of the genus *Loxogramme* (BL.) *Presl. Phytomorphology*, **51 (1)** : 11-15.
- Dixit, R.D., **Bhandari, J. B.** and Mukhopadhyay, R, 2001. A new species of *Lygodium* (Lygodiaceae) from orth Andamans, India, *Nod. J. Bot* **21 (4)**: 427-430.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1999 Observation of the morphology of scales of the Indian Vittarioid ferns. *Sci & cult* . 65.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1998 Morphological and anatomical observations on *Vittaria linearifolia* Ching *Indian fern J.*, 15:44-48.
- Mukhopadhyay, R. and **Bhandari, J.B.**, 1998. Occurrence of Microspore polyads in *Selaginella intermedia* (BI) Spring *Phytomorphology*, 49(1) 75-78.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1997 Morphological and anatomical studies on *Antrophyum callifolium* BL. *Phytomorphology*, **47(2)** : 155-160.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1996 Observation on the spore morphology of Indian Vittarioid ferns. *Flora and Fauna*, **2(1)** :69-73.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1996 Morphological and anatomical studies on *Antrophyum coriaceum* (D. Don) Wall, *Indian fern J.*, **13**:62-66.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1996 Morphological and anatomical observations on *Vittaria amboinensis* Fee *Indian Fern J.*, **13**:40-45:
- **Bhandari, J.B.** and Mukhopadhyay, R, 1996 Studies in the reproductive structures and spore output on the genus *Vittaria* Smith. *J. Nat Bot Soc.* **50**:79-87
- **Bhandari, J.B.** and Mukhopadhyay, R, 1995 Studies in the morphology and anatomy of *Antrophyum reticulatum* (Frost) Kaulf, *Indian fern J.*, **12**: 24-28.
- **Bhandari, J.B.** and Mukhopadhyay, R, 1995 Studies in the spore morphology to some Vittarioid ferns. *Indian Fern J.*, **12**: 110-115.