

Curriculum vitae

ANANT KUMAR

Assistant Professor (Botany)
Department of Botany & Microbiology
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WORK EXPERIENCE

Botanical Survey of India, Kolkata May' 2006 – August' 2023

- Senior Preservation Assistant at Central National Herbarium, Howrah from 2006 to 2016.
- Botanical Assistant at Central National Herbarium, Howrah from 2016 to 2022.
- Botanical Assistant at Publication Section, Hqrs, Botanical Survey of India, Kolkata from 2022 to 2023.

H.N.B. Garhwal University since August' 2023

- Assistant Professor at Department of Botany & Microbiology, H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand from August' 2023 to till date.

RESEARCH EXPERIENCE

❖ RESEARCH PROJECTS

Project 1

- Flora of Mahananda Wildlife Sanctuary, Darjeeling, West Bengal, India.

Project 2

- Flora of Gorumara National Park, Jalpaiguri, West Bengal, India.

Project 3

- Flora of Buxa Wildlife Sanctuary, Alipurduar, West Bengal, India.

Project 4

- Flora of Eco-sensitive zones of Kusheshwar Asthan Bird Sanctuary, Darbhanga, Bihar.

Project 5

- Angiospermic flora of Neora Valley National Park, Kalimpong, West Bengal, India.

Project 6

- Non-detriment findings (NDFs) of *Dalbergia sissoo* DC. and *Dalbergia latifolia* Roxb. in India.

❖ PUBLICATIONS

EDITORIAL BOOK PUBLISHED:

- K. DAS, D.K. AGRAWALA, P. KUMARI, VIVEK C.P., S. DUTTA, S. NAGARAJU AND ANANT KUMAR (2023). International Symposium on Plant Taxonomy, Ethnobotany and Botanic gardens. Book of Abstracts. The Director, Botanical Survey of India, Kolkata. **(ISBN: 978-81-958726-6-4)**

AUTHORED BOOK PUBLISHED:

- VINAY RANJAN AND ANANT KUMAR (2020). *Flora of Gorumara National Park*. The Director, Botanical Survey of India, Kolkata. Plates i-xlv, pp. 127. **(ISBN: 978-81-945229-6-6)**.
- ANANT KUMAR, GOPAL KRISHNA AND P. VENU (2022). *The Flora of Buxa Tiger Reserve, West Bengal, India*. The Director, Botanical Survey of India, Kolkata. pp. 1092. **(ISBN: 978-81-956354-4-3)**.
- D.K. AGRAWALA, R. GOGOI, S.S. DASH, J.S. JALAL, G. KRISHNA, ANANT KUMAR, N. ODYUO, H.N. SHARMA, P.K. BHARDWAJ, L. HEPUNI, A. KAR, B.B.T. THAM, L.R. MEITEI (2023). *Flora of Manipur-a pictorial guide*. In: A.A. MAO & P.K. MUKHARJEE (eds.), Botanical Survey of India, Kolkata & Institute of Bio- resources & Sustainable Development, Imphal. pp. 638. **(ISBN: 978-81-958726-7-1)**
- T.K. PAUL AND ANANT KUMAR (2023). *Flora of Mahananda Wildlife Sanctuary, Darjeeling, West Bengal*. The Director, Botanical Survey of India, Kolkata. pp. 171. **(ISBN: 978-81-962640-4-8)**

PAPERS PUBLISHED:

Foreign journals:

- Anant Kumar and Vinay Ranjan (2023). Revised lectotypification of nine names in the genus *Hedyotis* (Rubiaceae). ***Phytotaxa*** 630(3): 241–244.
- Anant Kumar (2023). A new combination in *Ceropegia* L. (Apocynaceae). ***Feddes Repert.*** 134(3): 1–2.
- **Anant Kumar**, Hemant Kumar and Vinay Ranjan (2023). Validations and lectotypifications in Indian *Ophiorrhiza* (Rubiaceae). ***Ann. Bot. Fennici*** 60: 167–183.
- **Anant Kumar**, G. Krishna and Avishek Bhattacharjee (2023). *Asystasia venui* (Justicieae: Acanthaceae): A new species from West Bengal, India. ***Phytotaxa*** 600(4): 239–247.
- **Anant Kumar** (2023). A new variety of *Brachystemma calycinum* (Caryophyllaceae) from West Bengal, India with notes on its typification. ***Phytotaxa*** 598(3): 259–263.
- **Anant Kumar** (2023). Epitypification of *Anplectrum assamicum* C.B. Clarke (Melastomataceae), with nomenclatural notes. ***Ann. Bot. Fennici*** 60: 109–113.
- Avishek Bhattacharjee, Jambey Tsering, Ranjith Layola M.R., Farheen Banu and **Anant Kumar** (2023). Elucidating taxonomic status of *Goodyera medogensis* (Orchidaceae) based on morpho-molecular data. ***Phytotaxa*** 595(2): 209–218.
- Vinay Ranjan, **Anant Kumar** and Gopal Krishna (2023). Recollection, typification, and taxonomic notes on *Stilbanthus scandens* (Amaranthaceae). ***Phytotaxa*** 589(2): 209–212.
- **Anant Kumar** (2023): Revisiting the typification of *Limonia crenulata* (Rutaceae). ***Ann. Bot. Fennici*** 60: 39–41.
- **Anant Kumar** (2023): Lectotypification of four *Polygonatum* (Asparagaceae) names published by J.G. Baker. ***Ann. Bot. Fennici*** 60: 5–6.
- Vinay Ranjan, **Anant Kumar** and Gopal Krishna (2022): Second-step lectotypification of *Garcinia stipulata* (Clusiaceae) and its recollection from Darjeeling-Sikkim Himalaya, India. ***Phytotaxa*** 577(1): 118–124.
- Vinay Ranjan, **Anant Kumar**, Gopal Krishna and Hanno Schaefer (2022): Biogeography of *Zehneria* (Cucurbitaceae) and a New Species from India. ***Syst. Bot.*** 47(3): 738–747.

- Vinay Ranjan, Gopal Krishna and **Anant Kumar** (2022): A new species of *Isodon* (Lamiaceae) from Indian Eastern Himalaya. **Taiwania** 67(2): 260–266.
- **Anant Kumar**, S. Majumdar and Vinay Ranjan (2021): Typification of *Ardisia serratifolia* Bedd. and *Ardisia oxyantha* Wall. ex A. DC. (Primulaceae). **Ann. Bot. Fennici** 58: 233–235.
- Vinay Ranjan Gopal Krishna, Avishek Bhattacharjee and **Anant Kumar**, (2020): Addition of the two rare ground orchids in flora of West Bengal, India. **Richardiana** 4: 147–156.
- **Anant Kumar**, Gopal Krishna, Dinesh Kumar Agrawala and Vinay Ranjan (2019): *Oreorchis patens* (Orchidaceae): an addition to the flora of Eastern Indian Himalaya. **Richardiana** 3: 109–116.
- **Anant Kumar**, Gopal Krishna and Vinay Ranjan (2019): A third species of *Epipogium* (Orchidaceae) added to the Indian flora. **Richardiana** 3: 17–24.
- **Anant Kumar** and Vinay Ranjan (2017): Correct Author Citation of the Combination *Parasenecio levingei* (Asteraceae-Senecioneae) and Typification of Its Basionym. **J. Jap. Bot.** 92(2): 109–111.
- Suman Halder, **Anant Kumar**, Sangita Dey & Potharaju Venu (2014): Lectotypification of *Fimbristylis tenera* (Cyperaceae). **Phytotaxa** 188 (5): 287–291.
- **Anant Kumar**, Suman Halder, Vinay Ranjan and Potharaju Venu (2013): *Fimbristylis clarkei*, A new species of Cyperaceae from India. **Kew Bull.** 68: 669–672.
- Vinay Ranjan, **Anant Kumar** and Sushil Chandra Srivastava (2013). A New Record for the Genus *Khasiaclunea* (Rubiaceae) from Bhutan. **J. Jap. Bot.** 88(6): 386–388.
- **Anant Kumar**, Vinay Ranjan and S. C. Srivastava (2013): *Galium kulluense* (Rubiaceae)–A New Species from Kullu, Himachal Pradesh, India. **J. Jap. Bot.** 88: 163–165.
- **Anant Kumar**, Avishek Bhattacharjee, P. Venu and Y.V. Rao. (2013): *Zeuxine reflexa* (Orchidaceae)–A report on its occurrence and conservation status in India. **Richardiana** 13: 283–294.
- **Anant Kumar**, Avishek Bhattacharjee and P. Venu (2012): On the distribution of *Zeuxine lindleyana*, an endemic orchid of India. **Richardiana** 12(4): 194–200.

- S.C. Srivastava, **Anant Kumar** & Vinay Ranjan (2012): *Hedychium tenuiflorum* (Wall. ex Baker) K. Schum. (Zingiberaceae): New to the flora of Myanmar. **Folia Malaysiana** 13(2): 51-52.
- Irina Illarionova, Vinay Ranjan and **Anant Kumar** (2012): Lectotypification of *Senecio kingianus* W.W. Sm. (Asteraceae). **J. Jap. Bot.** 87(5): 358-360.
- Vinay Ranjan, **Anant Kumar** and S.C. Srivastava (2011): Lectotypification of *Senecio biligulatus* W.W. Sm. **Taiwania** 56(4): 327-329.
- **Anant Kumar**, S.C. Srivastava and Vinay Ranjan (2010): Lectotypification of *Gentiana pluviarum* W.W. Sm. (Gentianaceae). **J. Jap. Bot.** 85(6): 376-378.

Indian journals:

- Shuvadeep Majumdar, **Anant Kumar** and Ritu Rai (2023): Range extension of *Salvia misella* (Lamiaceae): A taxon naturalized in West Bengal. **Nelumbo** 65(1): 141-143.
- G. Krishna, **Anant Kumar** and Vinay Ranjan (2022): Typification and distribution of *Ehretia longiflora* (Ehretiaceae) in India: **Rheedea** 32(2): 124-130.
- **Anant Kumar** (2021): *Clematis smilacifolia* (Ranunculaceae) – A Rare Collection from Buxa Wildlife Sanctuary, West Bengal, India. **J. Econ. Taxon. Bot.** 45(1-4): 1-4.
- **Anant Kumar** and Vinay Ranjan (2021). On the identity of *Mucuna yadaviana* (Fabaceae). **Nelumbo** 63(1): 127-129.
- **Anant Kumar** and Vinay Ranjan (2020). Wild edible plants of Gorumara National Park, Jalpaiguri, West Bengal. **Int. J. Adv. Res. Biol. Sci.** 7(12): 1-5.
- **Anant Kumar** (2020). An account on Endemic Taxa of Indian Subcontinent collected from Buxa Tiger Reserve, Alipurduar, West Bengal. **Int. J. Adv. Res. Biol. Sci.** 7(11): 96-99.
- **Anant Kumar** and Vinay Ranjan. Life Forms and Biological Spectrum of the Flora of Gorumara National Park, West Bengal, India. **Int. J. Adv. Res. Biol. Sci.** 7(11): 131-134.
- **Anant Kumar** and Vinay Ranjan (2021). On the identity of *Mucuna yadaviana* (Fabaceae). **Nelumbo** 63(1): 127-129.
- **Anant Kumar** and W. Arisdason (2020). *Aquarius cordifolius* (L.) Christenh. & Byng (Alismataceae), an invasive alien species: its introduction, colonization and plausible threats in India. **Curr. Sci.** 118(4): 524-525.

- **Anant Kumar** and V. Ranjan (2020). Wild edible plants of Gorumara National Park, Jalpaiguri, West Bengal. *Int. J. Adv. Res. Biol. Sci.* 7(12): 1-5.
- **Anant Kumar** and V. Ranjan (2020). Life Forms and Biological Spectrum of the Flora of Gorumara National Park, West Bengal, India. *Int. J. Adv. Res. Biol. Sci.* 7(11): 131-134.
- **Anant Kumar** (2020). An account on Endemic Taxa of Indian Subcontinent collected from Buxa Tiger Reserve, Alipurduar, West Bengal. *Int. J. Adv. Res. Biol. Sci.* 7(11): 96-99.
- S. Sachan, **Anant Kumar**, P.P. Ghoshal and K.A. Bharati (2020). Checklist and Key to the Asteraceae of Bihar, India. *Int. J. Adv. Res. Biol. Sci.* 7(4): 1-25.
- **Anant Kumar** and P. Venu (2019): Seven new additions to the flora of West Bengal from Buxa Wildlife Sanctuary, Alipurduar, West Bengal. *Indian J. Forest.* 42
- **Anant Kumar** and P. Venu (2019): Four new additions to the flora of Eastern India. *Indian Forester* 145(8): 778-780.
- **Anant Kumar** and P. Venu (2018): A Sketch on Floristic diversity of Buxa Wildlife Sanctuary, Alipurduar, West Bengal, India. *Indian J. Forest.* 41
- Vinay Ranjan, **Anant Kumar** and Gopal Krishna (2017): On the Distribution of Some Rare Species in Neora Valley National Park, Darjeeling, West Bengal. *Indian J. Forest.* 40
- **Anant Kumar**, Gopal Krishna and V.P. Prasad (2017): Three species of sedges (Cyperaceae) new to Bihar, India. *Nelumbo* 59(2): 164-167.
- Gopal Krishna, **Anant Kumar**, Vinay Ranjan and Nisha Goswami (2016): *Rhopalocnemis phalloides* (Balanophoraceae): A root parasite from Neora Valley National Park, West Bengal. *BSI-ENVIS Newslett.* 21 (2): 7.
- Gopal Krishna, **Anant Kumar**, P. Lakshminarasimhan and Anand Kumar (2016): Distributional note on *Fernando adenophylla* (Wall. ex G. Don) Steenis (Bignoniaceae). *Indian J. Forest.* 39
- Vinay Ranjan and **Anant Kumar** (2015): Conspectus of family Rubiaceae in West Bengal. *Geophytology* 45
- **Anant Kumar** and Hemant Kumar (2015): *Aristolochia indica* (Aristolochiaceae)- A host plant for caterpillars of *Pachliopta aristolochiae*. *BSI-ENVIS Newslett.* 20 (2): 8.
- Vinay Ranjan and **Anant Kumar** (2015): Floristic diversity in Gorumara National Park, West Bengal. *J. Non-Timber Forest Prod.* 22

- Vinay Ranjan, **Anant Kumar** and Gopal Krishna (2015): *Prunus ceylanica* (Wight) Miv.: An endangered species collected after eight decades from West Bengal. **Indian J. Forest.** 38
- T.K. Paul & **Anant Kumar** (2014): A sketch on the vegetation and its components of Mahananda Wildlife Sanctuary, Darjeeling District, West Bengal, India. **Pleione** 8 (2): 320-330.
- Vinay Ranjan and **Anant Kumar** (2014): *Scurrula gracilifolia* (Loranthaceae): A new distributional record from Gorumara National Park, West Bengal. **Indian J. Forest.** 37
- Vinay Ranjan and **Anant Kumar** (2014): Addition to the Flora of West Bengal. **Indian J. Forest.** 37
- Vinay Ranjan, **Anant Kumar** and S. C. Srivastava (2013): New Plant Records for the Flora of West Bengal. **Indian J. Forest.** 36 T.K. Paul and **Anant Kumar** (2012): Two new plant records for West Bengal, India from Mahananda Wildlife Sanctuary, Darjeeling District. **Pleione** 6 (1): 244-246.
- T.K. Paul and **Anant Kumar** (2012): Extended distribution of *Hyptis brevipes* Poit. in India. **Indian J. Forest.** 35 (1): 101-102.
- Vinay Ranjan, G. K. Upadhyay and **Anant Kumar** (2012): *Ficus laevis* Blume var. *assamica* (Miq.) Miq. (Moraceae: Subgen. *Synoecia* Miq.): A new record for West Bengal. **Indian Forester** 138 (11): 1074-1075.
- Vinay Ranjan and **Anant Kumar** (2011): *Swertia teres* (G. Don) J. Shah: A new record for Arunachal Pradesh, India. **Indian J. Forest.** 34 (4): 491-492.
- Vinay Ranjan and **Anant Kumar** (2011): Wild plants as animal foods in Gorumara National Park. **BSI-ENVIS Newslett.** 16 (1): 3.
- **Anant Kumar** and T.K. Paul (2010): *Trachelospermum assamense* R.E. Woodson (Apocynaceae)-A new record for Arunachal Pradesh, India. **Pleione** 4 (1): 158-159.
- T.K. Paul & **Anant Kumar** (2009): *Dendrocnide sinuata* (Blume) Chew (Urticaceae)-A plant that can be grown to repulse the wild elephants. **BSI-ENVIS Newslett.** 14 (2): 5.
- **Anant Kumar**, Chandra Ghosh and T.K. Paul (2009): *Hypoestes phyllostachya* Baker (Acanthaceae)-A new record for West Bengal, India. **Pleione** 3 (2): 227 - 228.
- **Anant Kumar** & T.K. Paul (2008): A Capsicum species comes wild in Mahananda Wildlife Sanctuary, Darjeeling district, West Bengal and its local uses. **BSI-ENVIS Newslett.** 13 (2): 7.

BOOK CHAPTERS:

- Vinay Ranjan and **Anant Kumar** (2018). Plant Diversity and Conservation Strategies in West Bengal. In: P. Agnihotri and J.S. Khurajam, *Angiosperm Systematics Recent Trends and Emerging Issues*. 607-628. CSIR-National Botanical Research Institute, Lucknow, Uttar Pradesh. (ISBN 978-8121109819; M/s Bishen Singh Mahendra Pal Singh).
- **Anant Kumar** and P.G. Diwakar (2017). Plant Diversity in Mundhwa Experimental Garden, Pune, Maharashtra. In: P. Singh and S.S. Dash, *Indian Botanic Gardens, Role in Conservation*. 148-153. Botanical Survey of India, Kolkata (ISBN 81-8177-092-7).
- Vinay Ranjan, **Anant Kumar** and S.C. Srivastava (2016). Family Rubiaceae. In: Ranjan et al., *Flora of West Bengal Vol. III*: 62-146. Botanical Survey of India, Kolkata.
- Gopal Krishna, **Anant Kumar**, Anand Kumar, Shyam Biswa and P. Lakshminarasimhan (2016): Diversity of Ethnomedicinal Plants and their Conservation in Aurangabad district, Bihar. In: H.K. Chourasia and A.K. Roy, *Conservation, Cultivation, Diseases and Therapeutic Importance of Medicinal and Aromatic Plants*. 195-205. Today & Tomorrow's Printers and Publishers, New Delhi.

ABSTRACTS:

- **Anant Kumar** (January 16-18, 2014): Legumes of Buxa Tiger Reserve, Jalpaiguri, West Bengal in National Conference on Biodiversity: Issues, Concern and Future Strategies organised by West Bengal Biodiversity Board, Kolkata.

PAPERS PUBLISHED (HINDI):

- **Anant Kumar** (2019): Keetbhakshi *Utricularia* vansh aur uska keet jaal tantra. ***Vanaspati Vaani*** 28: 60.
- Vinay Ranjan and **Anant Kumar** (2011): Gorumara Rashtriya Udhyaan: Ek Avalokan. ***Vanaspati Vaani*** 20: 42-45.
- **Anant Kumar** (2011): Sukshma Pravardhan: Ek Takneek. ***Vanaspati Vaani*** 20: 235.

- **Anant Kumar** (2007): Raktachaap ke nidaan mein Sahayak Aushdheeya paudhe. *Vanaspati Vaani* 16: 96-98.

❖ **WORKSHOPS/SEMINARS/CONFERENCES**

- Attended a workshop on “Bamboo Taxonomy.”
- Attended a workshop on “Plant Nomenclature” conducted by Botanical Survey of India, Kolkata.
- Attended a workshop on “Plant identification” conducted by West Bengal Biodiversity Board, Kolkata.
- Attended an international seminar on “Plant taxonomy and Ethnobotany” conducted by Botanical Survey of India, Kolkata.
- Attended a workshop on “Plant Nomenclature” conducted by Eastern Regional Centre, Botanical Survey of India, Shillong, Meghalaya.
- As a resource person, attended a training programme on “Herbarium methodology” conducted by Botanical Survey of India, Kolkata.
- As a resource person, attended a training programme cum workshop on “Flowering & Non-flowering Plant Identification and Herbarium methodology” conducted by Central National Herbarium in collaboration with Department of Botany, Gurudas College, Kolkata.
- As a resource person, attended a training programme cum workshop on “Herbarium methodology and Plant Nomenclature” organised by Department of Biological Sciences (Botany), Midnapore City College, West Bengal.
- As a resource person, participated in a training programme cum workshop on “Plant Identification” organised by West Bengal Biodiversity Board, Kolkata.

❖ **AWARDS AND HONOURS**

- 1st Prize (flower category) in National Photography Competition conducted by Ministry of Environment, Forest & Climate Change, New Delhi.
- 2nd Prize in Photography Competition on event of World Wildlife Day 2021 conducted by Central National Herbarium, Howrah.

❖ JOURNAL/EDITORIAL AFFILIATIONS

- Invited Reviewer (January 2024) – **National Academy Science Letters**; Publisher: Springer.
- Invited Reviewer (November 2023) – **Nelumbo**; Publisher: BSI, Kolkata.
- Invited Reviewer (August 2023) – **Plant Science Today**; Publisher: Horizon e-publishing.
- Associate Editor – 02 Books entitled “**Flowering Plants of India: An Annotated Checklist**, Volumes 1 & 2: Dicotyledons. Publisher: BSI, Kolkata.
- Editor – Book entitled “**Flora of India**, Volume 21. Publisher: BSI, Kolkata (under review).
- Editor – Book entitled “**Flora of India**, Volume 28. Publisher: BSI, Kolkata (under review).

❖ AREA OF RESEARCH INTEREST

- **Plant Taxonomy and systematics**
- **Biodiversity**
- **Conservation Biology**
- **Phylogenetics**
- **Plant Nomenclature**
- **Palynology and Chromosome study**