

डॉ. कनाद दास
Dr. Kanad Das
निदेशक
Director



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST
& CLIMATE CHANGE
भारतीय वनस्पति सर्वेक्षण
BOTANICAL SURVEY OF INDIA

DO. No.: BSI – 8/1/PA/2019 / 1687

Date: 07.01.2026

Respected Sir,

In reply to OM no. 24011/08/2019–GC dated. 25.03.2019 regarding monthly DO letter from Secretary (MoEF&CC) to the Cabinet Secretary, I am furnishing herewith the following major achievements of Botanical Survey of India for the Month of December, 2025.

Department: Botanical Survey of India

Important policy decisions taken, Major achievements during the month:

Scientists of BSI described **three (03) taxa** as New to Science from India viz. *Drimia* Jacq. Ex Willd. (Asparagaceae) from Nellai Wildlife Sanctuary, Western Ghats; *Munronia assamica* S. Dey & Bhaumik (Meliaceae) from Assam and *Fossombronia bengalensis* (Marchantiophyta, Fossombroniaceae) from West Bengal. Besides, Scientists of BSI reported **five (05) taxa** as new additions to the different states of India viz. two fungal species namely *Memnoniella longistipitata* (Hypocreales, Stachybotryaceae) and *Anthurus brownii* J.M. Mend.(Phallaceae) from India; *Croton argenteus* L. (Euphorbiaceae) from Telangana; *Frullania riojaneirensis* (Marchantiophyta: Frullaniaceae) to the Bryoflora of Nagaland and genus *Achimenes* Pers. (Gesneriaceae) as a new generic record for Tamil Nadu.

Scientists of BSI conducted 21 field / local tours and collected 1440 field nos. of specimens. BSI prepared metadata of 1995 herbarium specimens. During this month, 540383 visitors referred the official websites of BSI (270519 visitors referred official website, 269864 visitors referred archives, and 134366 visitors visited Indian Virtual Herbarium). Besides, 1447 students / visitors visited the gardens and herbaria of BSI, and generated the revenue of about Rs. 1,82,867 during this month.

Important events / programs organized / attended:

1. BSI-APRC, Itanagar observed the **International Mountain Day 2025** on 11.12.2025 by organizing a one day Awareness Workshop on "Biodiversity of Himalayan Region".
2. Dr. Kanad Das, Director, BSI inaugurated a newly developed **Bonsai Section** in BSI-AJCIBIG, Howrah on 19 December 2025. It is spread over 0.5 acres of land and showcases more than 200 bonsai specimens representing over 100 species, belonging to more than 50 genera and 33 plant families.
3. BSI- WRC, Pune observed its **70th Foundation Day** on 12th December 2025 and organised a mass plantation drive, where 70 endemic and endangered plant species were planted—symbolizing 70 years of commitment to safeguarding India's precious floral diversity.
4. Dr. Kanad Das, Director, BSI graced the inaugural session of **National Conference on Biodiversity and Climate Change: Challenges and Solutions (NCBCCCS2025)**, organized by the Department of Botany, University of Jammu as Chief Guest and delivered a keynote address. He also attended the **26th Meeting of G.B. Pant Society of Himalayan Environment and Development (GBPSHD)** on 2nd December, 2025 at MoEF&CC, New Delhi and the **146th meeting of the Governing Body, NCSM** on 2nd December, 2025 at National Science Centre, New Delhi.
5. Dr. S. S. Dash, Scientist-F, Botanical Survey of India delivered a keynote lecture at the Andhra University, Visakhapatnam on 17 December, 2025 by highlighting the plant biodiversity as the planet's quiet life-support system, essential, yet often taken for granted.

During this month, **38 Research Publications** including 34 Research Papers, 2 Hindi articles and 2 book chapters were published by BSI scientists in International and National journals of repute apart from participating in scientific lectures and publishing seminar abstracts and Book chapters (Annexure 1).

1. Important policy matter held up on account of prolonged inter-ministerial consultations: NIL
 2. No. of cases of 'Sanction for prosecution' pending for more than 3 months: NIL
 3. Particulars of cases in which there has been a departure from the Transaction of Business Rules or established policy of the government: NIL
 4. Status of Rationalization of Autonomous Bodies: NA-
 5. Information on the specific steps taken for utilization of the space technology based tools and applications in governance and development: Inputs on Leveraging Space Technology & Application for Viksit Bharat 2047 were provided by BSI to the Ministry
 6. Vacancy position of senior level appointments in the Ministry/ Department, including Autonomous Bodies/ PSUs: Communicated to the Ministry separately.
 7. List of cases in which ACC directions have not been complied with: NIL
- With regards,

Sincerely yours,

(Kanad Das)
Director

To,

Shri.Ved Prakash Mishra, JS, (CS-II), MoEF&CC, New Delhi – 3

PUBLICATION DECEMBER 2025

1. ARUMUGAM, S., S. BERA, S. RESMI AND K. KARTHIGEYAN 2025. A new species of *Drimia* Jacq. ex Willd. (Asparagaceae) from Nellai Wildlife Sanctuary, Western Ghats, India. *Nordic Journal of Botany* DOI: 10.1002/njb.05098.
2. BANDYOPADHYAY, S. AND A. KUMAR 2025. Notes on typification of two names in *Bauhinia* (Leguminosae: Cercidoideae), currently in *Phanera*. *Gardens' Bulletin Singapore* 77(2): 279–284.
3. CHAKRABARTY, T. AND A. KUMAR 2025. New synonyms, new records and typifications in Indo-Burmese *Cryptocarya* (Lauraceae). *Plant Science Today* 12(4). <https://horizonpublishing.com/index.php/PST/article/view/10062>
4. CHAKRABARTY, T., P.P. GHOSHAL AND A. KUMAR 2025. Typification of Nine Names in Indo-Burmese and Chinese *Lindera* (Lauraceae). *Journal of Japanese Botany* 100(6): 581–585.
5. DALAVI, J., J. CHAVAN AND M.Y. KAMBLE 2025. Taxonomic Implications of Seed Morphology in Indian 'Rose Mallow' (*Hibiscus* L.): Malvaceae *Feddes Repertorium*: 136 (5): 1-16. DOI: <https://doi.org/10.1002/fedr.70046>
6. DEY, S., M.R. LAYOLA, J. DAS, D.K. BARUAH, S. ROY AND M. BHAUMIK 2025. *Munronia assamica* (Meliaceae), a new species from India. *The Gardens' Bulletin Singapore* 77(2): 259–268.
7. DUBEY, R., S. JASH AND A. D. PANDEY 2025. First Report of *Apiospora acutiapica* and *Apiospora malaysiana* from Indian Mycobiota: Insights from Morphology and Molecular Phylogeny. *KAVAKA* 61(4): 133-139. DOI: 10.36460/Kavaka/61/4/2025/133-139
8. HALDER, S., P. GAIKWAD AND A. KUMAR 2025. Recollection of *Ranunculus trichophyllus* (Ranunculaceae) after 115 Years in Eastern Himalaya, India and Extension of Eastern Himalayan Range. *National Academy Science Letters*. <https://doi.org/10.1007/s40009-025-01882-1>
9. JALANDER, V., J. SWAMY AND P. V. RAMANA 2025. *Croton argenteus* L. (Euphorbiaceae: Crotonae), a New Invasive Plant Record for Asia from Peninsular India. *Feddes Repertorium* 0: 1-5. DOI: 10.1002/fedr.70048
10. JASH, S. AND R. DUBEY 2025. Morpho-Molecular Characterization of *Memnoniella longistipitata* (Hypocreales, Stachybotryaceae) - A New Addition to Fungi of India. *National Academy Science Letters*. DOI: <https://doi.org/10.1007/s40009-025-01900-2>
11. KANK S. AND A. BENNIAMIN 2025. New Chromosome Number Report of *Leptochilus lancelatus* Fee from Western Ghats. *Journal of Cytology and Genetics* 26 (NS): 133-135.
12. MALAY P. S., PRABHAT, K. D., ARVIND P, VINAYKUMAR H, SUPRIYA S, SAMARENDRA NM, Y. ROUT, AND S. P. PANDA 2025. *Anthurus brownii* J.M. Mend., (Phallaceae)- A new record of wild caged-phalloid mushroom to the Eastern Ghats of India, new to Indian Mycobiota. *Plant Science Today*.; 12(4): 1-4. <https://doi.org/10.14719/pst.7118>
13. MONDAL, A., C. MURUGAN AND PRADHYUMNAN, M. R. 2025. Nomenclatural novelties and one new synonym in *Glyptopetalum* (Celastraceae: Celastroideae) along with notes on typification of the names. *Kew Bulletin*. <https://doi.org/10.1007/s12225-025-10272-1>
14. MONDAL, A., RAVICHANDRAN, V., PRADHYUMNAN, M.R., AND C. MURUGAN. Clarifying the identity and distribution of Indian Endemics *Salacia fruticosa* Wall. ex M.A. Lawson and *Euonymus serratifolius* Bedd. (Celastraceae): Exclusion from the Bangladesh and China. *Nelumbo* Vol 67 (1): (58-66) 2025 DOI: 10.20324/nelumbo/v67/2025/173486
15. MONDAL, A., WATSON, M.F., PRADHYUMNAN, M.R., C. MURUGAN AND RAJKUMAR, S.D. Nomenclatural commentaries and typification of two Wallichian names in the genus *Celastrus* (Celastraceae: Celastroideae). *Nordic J. Botany*: 2025, e04911. <https://doi.org/10.1002/njb.04911>
16. MUSKAAN NEGI, M.K. BRAHMI, S.K. BHARDWAJ AND KULDIP SINGH DOGRA 2025. Spatial distribution and habitat suitability of *Ageratina adenophora* (Spreng.) R.M.King & H. Rob. In Himachal Pradesh: A Max Ent-based approach" in the *Journal of Nature Conservation of Elsevier*, Vol. 89(2026) 127159, ISSN 1617-1381.
17. NASIM ALI SK. AND D. SINGH 2025. *Frullania riojaneirensis* (Marchantiophyta: Frullaniaceae) new addition to the Bryoflora of Nagaland, India and its red list assessment in India. *Vegetos*. <https://doi.org/10.1007/s42535-025-01544-z>
18. PARIHAR A. AND M.E. HEMBROM 2025. *Ganoderma seychellensis* nom. nov. (Ganodermataceae), a replacement name for *Ganoderma insulare* Ryvarden (2020). *Phytotaxa* 726(1):59-60.
19. PARIHAR, A. AND M. E. HEMBROM, 2025. *Cordyceps liui* nom. nov. A Replacement Name for *Cordyceps rostrata* Z.Q. Liang, A.Y. Liu & M.H. Liu nom. Illegit (Cordycipitaceae) *Feddes Repertorium* DO - 10.1002/fedr.70045
20. PRADHYUMNAN, M.R., MONDAL, A. AND C. MURUGAN. IUCN Assessment of Plant species in India: *Hugonia belli* Sedgw. (Linaceae).. *Nelumbo* Vol 67 (1): (53-57) 2025 DOI: 10.20324/nelumbo/v67/2025/173456.

21. PRASHANT PUSALKAR, PRIYANKA INGLE AND YOGESH LAHANE. 2025. *Spiraea duthieana* (Rosaceae), a report after a century and rank change, with a note on lectotypification of *Spiraea hypoleuca*. *Phytotaxa*, 734 (2): 242–246.
22. PUROHIT C.S. Reinstatement of the name *Striga todgarhica* (Orobanchaceae) and a new synonym of the name *Striga angustifolia* var. *masuria*. *International Journal of Theoretical and Applied Sciences*, 17(2): 1–8 (NAAS- 3.75). 2025
23. PUROHIT C.S., VIVEK C.P., B.C. DEY AND L.J. SINGH 2025. Taxonomy, IUCN Assessment and ex-situ Conservation of *Garcinia dhanikhariensis* (Clusiaceae): an endemic tree species of Andaman & Nicobar Islands, India. *Indian Journal of Tropical Biodiversity* 33(1): 32–38 (NAAS- 2.79).
24. PUROHIT, C.S., VIVEK C.P. AND B.C. DEY 2025. Present status and range extension of Threatened Endemic species, *Ceropegia andamanica* and its IUCN Red List Assessment. *Nelumbo* 16(1): 67–72 (NAAS- 4.17).
25. RASIDUL ISLAM SK., A. K. MONDAL, D. SINGH AND D. CHRISTINE CARGILL 2025. *Fossombronia bengalensis* (Marchantiophyta, Fossombroniaceae)—a new species from West Bengal, India. *Phytotaxa* 734 (3): 289–296.
26. MISHRA, S., NEELIMA A.M, B. LAKSHMANUDU AND VINAY RANJAN 2025. Status of Family Orchidaceae in Madhya Pradesh. *Indian Forester*. 151 (11) 1079-1085.
27. SENSARMA, S., T. SHIL, C. DEORI AND O.N. MAURYA 2025. Ethnobotanical assessment of *Ficus* species in wetland adjacent areas of Tripura and Bihar, India. *EIACP Newsletter* 30(2): 8–9.
28. SHARMA, A., MENASINAKAYI, V. S., NITHANIYAL, S., SWETA, M., NEERAJ 2025. Traits, habitat, and cultivation of *Aswagandha* [*Withania somnifera* (L.) Dunal]: a medicinal plant of Solanaceae. *Journal of Biodiversity and Conservation* 9(3): 74-79.
29. SHIL, T., A. MAJI AND K. KARTHIGEYAN 2025. A note on the occurrence and distribution of *Adansonia digitata* L. *EIACP Newsletter* 30(2): 3–4.
30. SHIL, T., O.N. MAURYA, A. MAJI AND K. KARTHIGEYAN 2024. Taxonomic studies on wetland grasses in North Bihar, India. *Journal of Non-Timber Forest Products* 31(4): 327–342.
31. SINGH D. AND SK NASIM ALI 2025. Taxonomic reinstatement of *Metzgeria mitrata* (Marchantiophyta: Metzgeriaceae) and its red list assessment. *Phytotaxa* 736 (1): 095–100.
32. SARAVANAN, T. S. AND KALIAMOORTHY, S. (2025). *Achimenes* Pers. (Gesneriaceae): A new generic record for Tamil Nadu, India. *Nelumbo* 67(1): 144–145. DOI: 10.20324/nelumbo/v67/2025/173393
33. VALLEPU, N., C. PABBATHI, P.P. GOLI AND J. SWAMY 2025. New distributional record of the endemic taxon *Drimia govindappae* (A.Boraiah & Fathima) Lekhak & P. B. Yadav (Asparagaceae) from Andhra Pradesh. *Vegetos* <https://doi.org/10.1007/s42535-025-01582-7>
34. YADAV, R. AND DEBASMITA DUTTA PRAMANICK 2025. Eco friendly and Biodegradable utensils made from *Areca* leaves by tribal communities of Madarihat, Birpara Block, Alipurduar Dist., West Bengal-A Case Study. *Indian J. Waste Manag.* 9(1): 25-30.

HINDI ARTICLES

1. पंकज अरविंद ढोले, अनिल कुमार मिडिगेसी, गौतम अनुज एक्का एवं लाल जी सिंह अंडमान-निकोबार द्वीपसमूह के समुद्री पारिस्थितिकी तंत्र में मैंग्रोव विविधता. 2025 In: अखिल भारतीय राजभाषा वैज्ञानिक संगोष्ठी: विज्ञान एवं प्रौद्योगिकी की नवीनतम प्रगति: सागर से समाज तक: समुद्रिका अंक 12 : 50-52
2. सुदीप्त कुमार दास भारत के अंडमान और निकोबार द्वीप समूह में समुद्री शैवाल की विविधता. 2025 In: अखिल भारतीय राजभाषा वैज्ञानिक संगोष्ठी: विज्ञान एवं प्रौद्योगिकी की नवीनतम प्रगति: सागर से समाज तक: समुद्रिका अंक 12 : 32-33

BOOK CHAPTER

1. SINGH, H., P.A. DHOLE AND R. SARAVANAN 2025. Ethnomedicinal Plants of Nuapada District, Odisha, India. In: Sanjeev Kumar(Ed.) *Glimpses of Ethnobotany and Medicinal Plants of India*: pp. 199-241
2. DUTTA PRAMANICK DEBASMITA AND RUCHI YADAV 2025. In: 'On the Land, Volume 2' (ed. by Das & al.). Role of Economic Plant wealth of India in Human Welfare with special emphasis on Economic Botany collection in Botanical Gallery, Industrial Section Indian Museum, Botanical Survey of India. Bharti Publication, New Delhi. ISBN: 978-93-47303-10-4.