

डॉ.प्रतिभागुप्ता
DR. PRATIBHA GUPTA
प्रभारीनिदेशक
DIRECTOR (I/C)



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

DO. No.: BSI – 8/1/PA/2019/550 / 1446

Date: 10/09.09.2025

Respected Madam,

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 August, 2025.

Department: Botanical Survey of India

1. Important policy decisions taken, Major achievements during the month:

Scientists of BSI have described **two (02) taxa as new to Science from India** viz. *Tetrataenium munnarensense* Karupp, Bharath & V. Ravich (Apiaceae) from southern Western Ghats and *Plagiochila meagheriana* S.Majumdar & M.Dey (Plagiochilaceae: Marchantiophyta) from Darjeeling District, Eastern Himalaya. Besides, Scientists of BSI have reported **six (06) taxa** as new additions to the India and different states viz. *Hemipilia basifoliata* (Orchidaceae), an addition to the Orchid Flora of India; *Eskemukerjea* (Polygonaceae) - a new generic record for the Flora of India, *Mattirolomyces spinosus* (Pezizaceae), a new record for Indian mycobiota, *Stauntonia grandiflora* (Lardizabalaceae), an addition to Indian flora, *Rubroboletus himalayensis* (Boletaceae) and *Phylloporus nigrisquamus* (Boletaceae) as new records from India.

Scientists of BSI conducted **8 field / local tours** and collected about **249 field nos.** BSI prepared metadata of **5149 herbarium specimens**. During this month, **9,96,571** visitors referred the official websites of BSI (**3,73,203** visitors referred official website, **4,39,492** visitors referred archives, and **1,83,876** visitors visited Indian Virtual Herbarium). Besides, **1111** students / visitors visited the gardens and herbaria of BSI, and generated the revenue of about **Rs. 87,466** during this month.

Important events / programs organized / attended:

1. Botanical Survey of India (BSI) signed **three** MoUs under the supervision of the MoEF&CC, with various organization namely (i) Central Zoo Authority (CZA) and M/s Convergence Energy Services Ltd. (CESL) on 01.08.2025; (ii) National Thermal Power Corporation Limited (NTPC) & Indian National Trust for Arts and Cultural Heritage (INTACH), New Delhi on 01.08.2025 and (iii) National Thermal Power Corporation Limited (NTPC) & Mukti, New Delhi on 01.08.2025. Dr. Pratibha Gupta, Director-In-charge, BSI signed the 03 MoUs and Dr. S. S. Dash, Scientist-F & In-charge- Tech. Sec., BSI, Hqrs, Dr. K. Karthigeyan, Scientist-F & In-Charge, Digital Herbarium, CNH and Dr. Devendra Singh, Scientist-E & HoO, AJCBIBG, Howrah also attended these programmes.
2. Botanical Survey of India (BSI) and all its regional centres, successfully conducted **seventeen (17)** one day training programmes on **Rashtriya Karmyogi Large Scale Janseva Programme**, where the Master Trainers conducted extensive, engaging and interactive sessions to encourage and instill the spirit of service (Seva Bhav) among a total of **602** employees of BSI.
3. BSI, and all its regional centres observed the **79th Independence Day** of India with great patriotism and enthusiasm on the morning of 15th August 2025 by organizing different event for the staffs.
4. BSI, ZSI, CSS-WTI & IUCN, India jointly organized the 3rd batch of **“IUCN Red List Assessor Training”** at BSI, NRC, Dehradun w.e.f. 23-29 August, 2025. The programme was inaugurated by Ms. Nameeta Prasad, Joint Secretary, MoEF&CC, New Delhi. Dr. Pratibha Gupta, Director-In-charge, BSI; Mr. Yashveer Bhatnagar, IUCN India, Mr. Rahul Kaul, Director CSS-WTI, Dr. Gaurav Sharma, Scientist F & HoO, ZSI, Dehradun, Dr. S. S. Dash, Scientist-F & In-charge- Tech. Sec., BSI, Hqrs & Dr. S. K. Singh, Scientist-F & HoO, BSI, NRC, Dehradun and Dr. D. K. Agrawala, Scientist-E & In-charge- Publ. Sec., Coordinator, BSI, Hqrs, Kolkata attended the programme. About 45 participants participated this training programme.
5. Botanical Survey of India (BSI) and all its regional centres organized a **‘FIT India Fitness Pledge’** on 29th August, 2025 for celebrating National Sports Day 2025.

During this month **16 Publications** including **14 Research Papers** and **2 books** were published by BSI scientists in International and National journals of repute apart from participating in scientific lectures and publishing seminar abstracts (**Annexure 1**).

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

With regards,

Sincerely yours,

(Pratibha Gupta)
Director (I/C)

To, Ms. Nameeta Prasad, JS, (CS-II), MoEF&CC, New Delhi – 3

1. PILLAI, B. AND T. SEAL 2025. Amino Acid Profiling and Ethnomedicinal Use of *Flemingia vestita*: A Wild Edible Plant from Meghalaya" *Journal of Ethnopharmacology and Toxicology*, 3(2): 39-46.
2. CHOWLU, K., J. SERING, A. N. RAO, K. A. A. KABEER AND A. RAY 2025. *Hemipilia basifoliata* (Orchidaceae), An addition to the Orchid Flora of India. *Biodiversity Res. Conserv.* 78: 1 – 4.
3. KARUPPUSAMY, S., P.B.S. YADAV AND V. RAVICHANDRAN 2025. *Tetrataenium munnarens* (Apiaceae: Apioideae), a new Species from southern Western Ghats, India. *Journal of Japanese Botany* 100(4): 318–324.
4. MAITY, R., S. S. DASH, S. K. SINGH AND SAMEER PATIL 2025. New synonyms and typification in *Globba* (Zingiberaceae). *Nordiac Journal of Botany*. E04771doi:10.1002/njb.A7712.
5. MUKHERJEE, M. N., O. N. MAURYA AND T. SHIL 2025. Wetland Eco-Industrialization' for Radical Transformation of Extreme Global Poverty into Sustainable Prosperity: A Case Study on 'Bengal Eco-Craft' in West Bengal, India. *Biological Forum*, 17(7):40-49. ISSN: 0975-1130.
6. SHERPA, N., B. CHETTRI, S. MANGAR, G. CHHETRI AND R. GOGOI 2025. *Eskemukerjea* Malick & Sengupta (Polygonaceae) - a new generic record for the Flora of India *Nelumbo* 67(1)
7. PICHAJ S., M. E. HEMBROM, A. GHOSH, P.PALANI AND K. DAS 2025. *Mattirolomyces spinosus*: a new record for Indian mycobiota. *Nelumbo* 66 (2): 29-35.
8. RANJAN, V., A. KUMAR AND G. KRISHNA 2025. *Stauntonia grandiflora* (Lardizabalaceae): an addition to Indian flora from Darjeeling-Sikkim Himalayas with its typification. *Vegetos*, <https://doi.org/10.1007/s42535-025-01438-0>
9. MAJUMDAR, S., AND M. DEY 2025. *Plagiochila meagheriana* (Plagiochilaceae: Marchantiophyta), a new species with dimorphic leaf cells from Darjeeling District, Eastern Himalaya, India. *Phytotaxa* 714(2): 171–180
10. RAJPUT, S., S. SINGH, K. DAS AND Y.P. SHARMA 2025. Two new records of boletoid mushrooms (Boletaceae) from India. *Biology Bulletin* 52: 144.
11. PERUMAL, E. U. AND M. PALANISAMY 2025. Distribution of *Compsopogon caeruleus* (Balbis ex C.Agardh) Montagne (Compsopogonales, Compsopogonophyceae) in West Bengal, India. *Madras Agricultural J.*, 112 (4-6): 107-117. <https://doi.org/10.29321/MAJ.10.701219>
12. SENTHILKUMARAN S., R. J. GUNASEELAN, A. K. PUTHANVEETIL, R. SUNDARAM, S. PERUMAL, M. PALANISAMY, P. PACHIAPPAN 2025. Food Engineering Approach to Sustainable Aqua-agriculture production: Dual Culture of *Gracilaria edulis* and *Penaeus vannamei* in a Recirculating Maraponics System. *J. of Food Process Engineering*. 48(7): e70191 <https://doi.org/10.1111/jfpe.70191>
13. SHIL, T. AND C. DEORI 2025. *Garcinia xanthochymus* Hook.f. ex T.Anderson: a wild edible fruit of North East India. *ELACP Newsletter* 30(1): 4–5.
14. TUDU S., J. K. JENA, S. PRIYADARSHINI, S. S. DASH, AND S. C. SAHU 2025. Taxonomical implications of fruit and seed morphology in wild species of *Diospyros* L. (Ebenaceae) in Odisha, Eastern India. *Acta Biologica Slovenica* 68 (4): 1-16

BOOKS

1. GARG, A., G. P. SINHA, AND A.A. MAO 2025. (Editors) Flora of Chattisgarh. Hydrocharitaceae - Poaceae Volume-3. Botanical Survey of India, MOEF&Cc, Sailee Press Pvt. Ltd. Kolkata- 700054.
2. SHUKLA, A. N., A. P. TIWARI, A. GARG AND A. A. MAO 2025. Flora of Chattisgarh. Asteraceae - Ceratophyllaceae Volume-2. Botanical Survey of India, MOEF&Cc, Sailee Press Pvt. Ltd. Kolkata- 700054.