



सत्यमेव जयते
भारत सरकार
Government of India

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
भारतीय वनस्पति सर्वेक्षण / Botanical Survey of India



भारतीय वनस्पति सर्वेक्षण
BOTANICAL SURVEY OF INDIA

DO. No.: BSI – 8/1/PA/2019 / 363

Date: 06.07.2022

Respected Madam,

In reply to OM no. 24011/08/2019 – GC dtd. 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 **June 2022**.

Department: Botanical Survey of India

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

Scientists of BSI reported **one** taxa *viz. Polypogon* (Family: Poaceae) as new generic record for the Telangana Flora. In addition, BSI scientists conducted **3** field/ local tours and collected **66** field nos. of specimens and completed metadata of **11,438** herbarium specimens. Under *Ex-situ* conservation, BSI scientists recorded the phenological data of **74** taxa in gardens. Under public services rendered, **184** plant samples were identified and identified to the public and a revenue of Rs. **33,508** was generated. During the month, **1,44,061** visitors referred BSI website.

Important events / programmes organized / attended:

- World Environment Day** was observed on 5th June 2022 by BSI and all its regional centres and units. On this occasion, a series of programmes, such as Sit & Draw competition, lectures, awareness programmes were organized at various regional centers of BSI. ERC, Shillong distributed around 4850 seedlings of plants belonging to endemic, indigenous, and economically important species to forest department and various other organizations for plantation. CRC, Allahabad made plantation of *Cassia fistula* (Amaltas) and *Delonix regia* (Gulmohar) saplings in Cantonment area.
- International Yoga Day** was observed on 21st June, 2022 by BSI and all its regional centres and units.
- BSI, SRC, NOEG, Yercaud participated in the **45th Annual Flower Show** organized by the State Horticulture Department, Government of Tamil Nadu from 25.05.2022 to 31.05.2022 and demonstrated 100 potted plants, grouped under Orchids, Medicinal plants, *Peperomia*, *Begonia*, Endemic, Endangered & Threatened plants, Cacti & Succulents and 4 Gymnosperm cones. BSI stall received the Best Botanical Garden in Yercaud and awarded **1st prize**.
- Under the youth outreach project “**Young minds for a compassionate World**” catalyzed and supported by the Ministry of culture, a group of 62 participants and officials from Victoria Memorial and NHM, London visited the AJCB, IBG, Howrah on 24th June 2022.


Important scientific publications:

During this month **8** research publications have been published by BSI scientists in various International and National research journals (*Annexure 1*).

- Important policy matter held up on account of prolonged inter-ministerial consultations: NIL**
- No. of cases of ‘Sanction for prosecution’ pending for more than 3 months: NIL**
- Particulars of cases in which there has been a departure from the Transaction of Business Rules or established policy of the government: NIL**
- Status of ongoing Swachhta Abhiyaan (Progress under Special Campaign):** Under outreach activities, regular cleaning drives and public awareness campaigns are organized in BSI.
- Status of Rationalization of Autonomous Bodies: NIL**
- Information on the specific steps taken for utilization of the space technology based tools and applications in governance and development: NIL**
- Vacancy position of senior level appointments in the Ministry/ Department, including Autonomous Bodies/ PSUs:** Recruitment of 10 posts of scientist ‘C’ is pending in Ministry. UPSC has declared the result of 13 posts of Botanists in BSI. Dossiers received by this office.
- List of cases in which ACC directions have not been complied with: NIL**

With regards,

Sincerely yours,


C. MURUGAN
(Director In Charge, BSI)

To
Mrs. Geeta Bhatnagar, US, MoEF & CC, New Delhi – 3

List of Publications for June, 2022**Research Papers published: 8**

1. BHATTACHARJEE, A. AND S. BANDYOPADHYAY 2022. (149) Proposal to add an Example under Article 8 Note I to show that an apparent collecting number does not necessarily denote the same gathering. *Taxon* 71(3): 707.
2. JALANDER, V., J. SWAMY, D. SRINIVAS AND P. V. RAMANA 2022. Rabbit's Foot Grass (*Polypogon*: Poaceae), A New Generic Record for the Telangana Flora. *Indian J. Pure & Applied Biosciences* 10(2): 47-49. doi:<http://dx.doi.org/10.18782/2582-2845.8893>
3. MAITY, R. AND S.S. DASH, 2022. (160) Proposal to convert Recommendation 40A.5 to a new Article dealing with deposition of type specimens for valid publication of names of new taxa. *Taxon*. 71 (3): 712. <https://doi.org/10.1002/tax.12737>
4. NEELIMA A.M AND J. JAYANTHI, 2022 (2021). Wilhelm Barthlott- Know your Botanist. *ENVIS Newsletter*, Botanical Survey of India, 26(2): 11.
5. RASINGAM, L. AND K. KARTHIGEYAN 2022. *Fraxinus schiedeana* is the correct name for *Fraxinus dubia* (Willd. ex Schult. & Schult.f.) P.S.Green & M.Nee, nom. illeg. (Oleaceae), *Kew Bulletin* DOI 10.1007/S12225-022-10025-4
6. SINGH, H., P. KUMAR AND S. K. SINGH. 2022. Cytological Studies in Endangered *Phlomis superba* (Royle ex Benth.) Kamelin & Makhm. *Cytologia* 87(2): 195-200.
7. SINGH, H., S. BANDYOPADHYAY, A. KUMAR, M. SINGH, G. KUMARI, A. RATURI, S.K. YADAV, M. KUMAR, A. THAKUR AND P.S. RAWAT 2022. Understanding the physiological and biophysical response of urban roadside plantations for assessing adaptation and mitigation mechanisms toward vehicular emissions. *Urban Clim.* 44(2022): 1–14.
8. TRIPATHI, S., A. GARG, A.N. SHUKLA, A. FAROOQUI, A. PANDEY, T. TRIPATHI AND V.K. SINGH 2022. Pollen micro-morphometry of two endangered species of *Rauvolfia* L. (Apocynaceae) from the Indo-Gangetic Plains of Central India using LM, CLSM and FESEM. *Palynology*, <https://doi.org/10.1080/01916122.2022.2072966>. 2022