

DO. No.: BSI – 8/1/PA/2019

Date: 04.08.2021

In reference 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 **July, 2021**.

Department: Botanical Survey of India

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

Scientists of BSI undertaken **4 local field tours** for survey and collection of plants. Besides, BSI reported **two new species** of plants to science i.e. *Sauromatum arunachalense* (Araceae) from Arunachal Pradesh and *Phoebe nicobarica* (Lauraceae) from Andaman & Nicobar Islands; and **two new generic records** to India i.e. *Rehderodendron* (Styracaceae) from Arunachal Pradesh and *Microstegium* (Poaceae) for Andaman & Nicobar Islands; and **one rediscovery** i.e. *Bunium nothum* (Apiaceae), an endemic and critically endangered plant after **137** years from the Nilgiris. In addition, BSI also published 63rd volume of its official journal "**Nelumbo**", containing **27** research papers and 28th volume of "**Vanaspati Vaani**", official Hindi journal, containing **35** papers.

Important events / programmes organized / attended:

- Director, BSI and Director, NBPGR, New Delhi jointly organized a virtual meeting on planning and Management of joint research programmes under the MoU, on 5th July, 2021.
- BSI, Central National Herbarium (CNH), Howrah and T.M. Bhagalpur University, Bhagalpur, Bihar jointly organized one day virtual *National Workshop cum Hands-on Training on "Plant Identification and Herbarium Methodology"* on 20th July 2021. Around 105 participants from various parts of the country attended this workshop.
- BSI and its regional centres observed "**Van Mahotsav**" program from 1 – 7 July, 2021. On this occasion, plantations drives were organized in various botanic gardens of BSI. Plants like *Roystonea regia* (Royal Palm), *Borassus flabellifer* (Palmyra Palm), *Shorea robusta* (Sal), *Nypa fruticans* (Mangrove Palm) etc. were planted in the AJCB IBG, Howrah by Dr. A.A. Mao, Director, BSI and other senior scientists and invited guests.
- Dr. A.A. Mao, Director, BSI and Dr. S.S. Dash, Scientist E, BSI visited BGIR, Noida and attended meetings in the Ministry from 26th -29th July and 31st July, 2021 regarding development plans in BGIR, Noida.

Important scientific publications:

During this month, **17 research publications** have been published by BSI scientists in various international and national journals (**Annexure 1**).

- Important policy matter is held up on account of prolonged inter-ministerial consultation: NIL
- Compliance of COS decisions: Nothing pending
- 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 implementation of e-governance: PFMS, CPGRAMS, e-Publications, e-floraindia, GEM Portal of Nelumbo etc. have already been implemented.
- Details of cases in which ACC directions have not been complied with: NIL
- Status of Public grievances:
-

No. of public grievances redressed during the month	No. of Public grievances pending at the end of month
2	0

- Information on the specific steps taken by the ministry/department for utilization of the space technology based tools and applications in governance and development: NIL

With regards,

Sincerely yours,



A. A. MAO

To
Smt. Manju Pandey, Jt. Secretary, (CS), MoEF & CC, New Delhi – 3



List of Publications
Research Papers published: 17

1. DEVI, R.M., R. MANIKANDAN AND S.P. NITHYA 2021. Natural Dye Yielding Plants of Cauvery North Wildlife Sanctuary, Tamil Nadu, India. *J. Non-Timber Forest Products* 27(2): 117-120.
2. DEY, S., S. DAS AND K. KARTHIGEYAN 2021. *Microstegium* (Poaceae), a new generic record for Andaman & Nicobar Islands, India. *Rheedea* 31(2): 68 – 70.
3. DUBEY, RASHMI. 2021. *Didymocrea leucaenae*: A new record to Indian mycoflora. *MycoAsia* 2021/02
4. KHURAIJAM, K. S., A. K. UPADHYAY, R. GOGOI AND T.S. RANA 2021. A synopsis of the genus *Erythrina* (Fabaceae) in India. *Annales Botanici Fennici* 58(4-6): 275–283.
5. KUMAR, A. AND T. CHAKRABARTY. 2021. Typification of two names in *Mangifera* (Anacardiaceae). *Rheedea* 31(2): 92–95.
6. LAHIRI, S. AND S.S. DASH 2021. Notes on rediscovery, typification & threat assessment of *Veratrilla burkilliana* (Gentianaceae) from eastern Himalaya, India. *Nelumbo* 63 (1): 121-126.
7. MAHESH, Y., L. RASINGAM AND J. SWAMY 2021. A new variety of *Dichanthium caricosum* (L.) A. Camus (Poaceae) from Papikonda National Park, Andhra Pradesh, India. *Indian J. Forestry* 43(2): 134-136.
8. MURUGESAN, M., R. THARANI, V. RAVICHANDRAN, B. KARTHIK AND V. ANUSUBA 2021. Rediscovery of *Bunium nothum* (C.B. Clarke) P.K. Mukh. (Apiaceae), an endemic and critically endangered umbellifer after 137 years from the Nilgiris, Tamil Nadu, India. *Current Science* Vol. 121 (1): 21-23.
9. PUROHIT C.S. 2021. Six species (Cyperaceae) addition for flora of Aravalli range, India with status of family Cyperaceae of Todgarh-Raoli wildlife sanctuary, Rajasthan. *MFP News*, 31(1): 4–11.
10. RASINGAM L., L. J. SINGH AND K. KARTHIGEYAN 2021. *Phoebe nicobarica* (Lauraceae) – a new species from Andaman & Nicobar Islands, India. *Rheedea* 32(2): 53-57.

11. REKHA, G. AND K. A. SUJANA 2021. *Veronica plebeia* R. Br. (Plantaginaceae), a new distributional record for India. *Indian Forester* 147 (7) 690-691.
12. SARKAR, S., D.K. AGRAWALA, S. CHAKRABORTY AND D. MAITY 2021. Notes on the identity, distribution and Red List assessment of *Phreatia albofarinosa* (Orchidaceae), a poorly known species from India. *Richardiana* 5: 230 – 240.
13. SENGUPTA, R. AND S.S. DASH 2021. A comprehensive inventory of alien plant invasion in the protected forest areas of Tripura and their ecological consequences. *Nelumbo* 63 (1): 163-182.
14. SHARMA, S., S. PATIL AND S.K. SINGH, 2021. An Overlooked Taxon in *Reinwardtia* (Linaceae). *J. Japanese Botany* 96(3): 172–174.
15. TIWARI, U. L. AND S.S. DASH 2021. *Rehderodendron* (Styracaceae) a new generic record for India. *Nelumbo* 63 (1): 13-16.
16. TIWARI, U. L., R. MAITY AND S.S. DASH 2021. A new species of *Sauromatum* (Araceae) from North-east India. *Nelumbo* 63 (1): 1-5.
17. YADAV, S.K. AND M. PALANISAMY 2021. Marine macro algal diversity of St. Mary's Island, Karnataka, India. *Nelumbo* 63 (1): 233-240.