

DO. No.: BSI – 8/1/PA/2019

Date: 02.06.2021

Dear Smt. Pandey,

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 **May, 2021**

**Department: Botanical Survey of India**

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

Scientists of BSI reported **one new fungal species** i.e. *Conlarium indicum*, (Ascomycetes) from the Western Ghats, India and one grass species i.e. *Lophopogon prasannae* (Poaceae) from the forest of Andhra Pradesh as new to science. The survey also reported **thirteen new records of plants**, i.e. *Lindsaea heterophylla*, new record for Eastern Himalaya and 12 flowering plants as new records to the state flora of Karnataka i.e. *Capparis nilgirinsis*, *Elaeocarpus gaussenii*, *Eugenia singampattiana*, *Garcinia pushpangadniana*, *Miconia crenata*, *Neustanthus phaseoloides*, *Nothopegia vajravelu*, *Saprosma ternate*, *Sonerila kannanorensis*, *S. gadgiliana*, *S. veldkampiana* and *Themeda sabrimalayana*. Besides, BSI compiled 'Plant Discoveries 2020' enumerating the new species described and new distributions recorded for India during 2020.

**Important events / programmes organized / attended:**

- BSI organized a virtual Annual Scientific Meet from 3<sup>rd</sup> - 5<sup>th</sup> May, 2021. On this occasion, all the Heads of Offices and scientists of BSI presented their annual scientific progress report.
- BSI observed *International Day of Biodiversity* ("We are part of the solution") on 22 May, 2021. On this occasion, BSI, SHRC, Gangtok organized a webinar and Prof. S. K. Barik, Director CSIR-NBRI delivered a talk on "*Bio-economy and Conservation of threatened plants of India*".
- Director, BSI and senior scientists attended the virtual meeting of the '*Post-2020 Global Biodiversity Framework - Thematic Stakeholder Consultations*' (Theme: *Floral Diversity*), organized by ministry on 28<sup>th</sup> May, 2021 and submitted three feedbacks / suggestions on the floral resources of the country.
- Director, BSI chaired "*Setting up of Bio-NEST Incubator to develop women Bio-entrepreneurship through orchid floriculture in Meghalaya*" monitoring committee meeting on 13.05.2021 through VC.

**Important scientific publications:**

During this month **14** research publications have been published by BSI scientists in various international and national research 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 |
|---|--|
| Nil   | Nil  |

- 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



### Important Research Publications

1. ASHISH K. SONI, VINEET K. RAWAT AND A. BENNIAMIN. 2020. *Lindsaea heterophylla* (Lindsaeaceae) A New Record for Eastern Himalaya, Pteridogeographical Region of India. *Indian Fern J.* 37: 293-298.
2. DUBEY, R. AND S. MANIKPURI. 2021. *Conlarium indicum*: A novel fungus from Western Ghats of India. *Current Research in Environmental & Applied Mycology. J. Fungal Biol* 11(1): 112–118.
3. GOGOI, R., B.B.T. THAM, N. SHERPA, J. DIHINGIA AND S. BORAH. 2021. Clarification of the taxonomic identity, typification and nomenclature of *Impatiens benthamii* (Balsaminaceae). *Gardens' Bull. Singapore* 73(1): 215–220.
4. KUMAR, A., S. MAJUMDAR, V. RANJAN. 2021. Typification of *Ardisia serratifolia* Bedd. and *A. oxyantha* Wall. ex A.DC. (Primulaceae). *Annals Botanici Fennici* 58: 233–235.
5. KUMAR, P., SINGH, H. AND S. K. SINGH. 2021. Karyomorphological and SEM studies in newly discovered populations of a critically endangered medicinal plant — *Lilium polyphyllum* D. Don ex Royle from a high altitude protected area of northwestern Himalaya. *Microscopy Res. Techniq.* <https://doi.org/10.1002/jemt.23784>
6. MAITY, R AND S.S. DASH. 2021. Lectotypification of three names in the genus *Phlogacanthus* Nees (Acanthaceae). *Kew Bull.* <https://doi.org/10.1007/s12225-021-09938-3>
7. PATIL, SAMEER. 2021. New plant records for Karnataka state from Pusphagiri Wildlife Sanctuary. *Indian Forester* 147(5):503-505.
8. PRASAD, K., S. NAGARAJU, A. N. SWAMY, A. M. REDDY, M. SANKARA RAO AND B. RAVI PRASAD RAO. 2021. A new species of *Lophopogon* (Poaceae) from Ananthapuramu of Andhra Pradesh, India. *Phytotaxa* 500 (3): 234–240.
9. RASINGAM, L. AND K. KARTHIGEYAN 2021. Notes on the distribution of *Anadendrum latifolium* (Araceae) in India and its lectotypification. *Phytotaxa* 500 (2): 149–152.
10. RASINGAM, L. AND K. KARTHIGEYAN. 2021. Notes on the distribution of *Anadendrumlatifolium* (Araceae) in India and its Lectotypification. *Phytotaxa* 500(2): 149 – 152.
11. RAVIKIRAN S. PAGARE, K.C. KISHOR AND W. ARISDASON. 2021. Typification of eighteen Old World Dioscoreas described by Prain and Burkill *Kew Bulletin*. DOI 10.1007/S12225-021-09930-X
12. SAMPATH KUMAR, K. AND S. ARUMUGAM. 2021. Lectotypification of an Indo-Sri Lankan Endemic *Barleria courtallica* Nees (Acanthaceae). *Indian J. Forestry* 43(2):112-116.
13. SHALINI, S., P. LAKSHMINARASIMHAN, W. ARISDASON AND, D. MAITY. 2021. Lectotypification of two names in the genus *Argyreia* (Convolvulaceae) *J. Jap. Bot.* 96(2): 111–114.
14. SINGH, R.K., D. BORAH AND M. TARAM. 2021. Typifications, new combinations and new synonyms in Indian *Impatiens* (Balsaminaceae). *Biodiversity: Research and Conservation* 61:1-27.