



Dr. A. A. MAO  
Director

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
BOTANICAL SURVEY OF INDIA  
CGO COMPLEX, 3<sup>RD</sup> MSO BUILDING, BLOCK F, 5<sup>TH</sup> & 6<sup>TH</sup> FLOOR  
DF BLOCK, SECTOR I, SALT LAKE  
KOLKATA – 700 064

DO. No.: BSI – 8/1/PA/2019

Date: 05.09.2019

Dear Smt. Pandey,

I am furnishing herewith following major achievements of Botanical Survey of India for the month of August, 2019 in reply to OM no. 24011/08/2019 – GC dtd. 25.03.2019 regarding monthly DO letter from Secretary (E & F) to the Cabinet Secretary.

Department: Botanical Survey of India

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

Scientists of BSI discovered a new species of grass *Acrachne borii* from the Seshachalam Biosphere Reserve of Eastern Ghats, Andhra Pradesh. Besides, they have also discovered a micro fungus in *Lactarius* sect. *Atroviridi* from the Indian Himalaya region and a new generic record of *Soliva* (Asteraceae) to the flora of Erstwhile Bihar (Jharkhand).

**Important meetings attended by Director, BSI during the month:**

During this month, Director, BSI reviewed the CoP14 arrangements, pertaining to BSI and attended the program at India Expo Mart, Greater Noida, New Delhi from 31<sup>st</sup> August 2019. He also attended the program at Chaudhari Charan Singh University (formerly Meerut University), Meerut, U.P. and signed an MoU with this university on 31<sup>st</sup> August, 2019. Besides, the scientist of BSI participated in a meeting pertaining to NDF report at MoEF&CC, New Delhi 14.08.2019.

**Field Tours conducted:**

Scientists of BSI conducted five botanical explorations in various parts of the Peninsular India and collected plant samples for taxonomic study in connection with the projects: *Grasses of Telangana State*, *Flora of Kinnerasani WLS, Telangana*, *Taxonomic revision of Sub-tribe Platantherinae (Orchidaceae)*, *Study of Diversity of Marine Macro Algae of Andhra Pradesh* and *Ferns and Fern allies of Dihang Dibang Biosphere Reserve Reserve*.

**Some important publications:**

- SWAMY, J., L. RASINGAM AND S. NAGARAJU 2019. *Acrachne borii* sp. nov. (Poaceae) a new species from Eastern Ghats of Andhra Pradesh. *Nelumbo* 61 (1): 10-12.
  - BERA, I., UNIYAL, P. AND K. DAS 2019. A novel species in *Lactarius* sect. *Atroviridi* from Indian Himalaya. *Phytotaxa* 415(1): 058 – 064.
  - GHOSHAL, P. P., S.B. PADAL AND ANAND KUMAR. 2019. *Soliva* (Asteraceae: Anthemideae) – A new generic record to the flora of Erstwhile Bihar (Jharkhand) with a note on its nomenclature. *Indian J. Forestry* 42(2): 177-180.
  - BHATTACHARJEE, A., PHUKAN, S. AND R.S. BARUA 2019. *Zeuxine parvifolia* (Orchidaceae) – a new addition to the Orchid flora of India. *Nelumbo* 61(1): 18–20.
  - MUKHIA, S., P. MANDAL, D. K. SINGH AND D. SINGH 2019. Comparison of pharmacological properties and phytochemical constituents of in vitro propagated and naturally occurring liverwort *Lunularia cruciata*. *BMC Complem. Altern. Med.* 19: 2–16
  - KUMAR, ANANT AND P. VENU 2019. Four new additions to the flora of Eastern India. *Indian Forester* 145(8):778-780.
- 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: MIS module is yet to be introduced in BSI
  - 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 |
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- 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) 5/9/19

To  
Smt. Manju Pandey, IPoS  
Jt. Secretary, (CS), MoEF & CC,  
Indira Paryavaran Bhawan, Jorbagh, New Delhi – 3