

DO. No.: BSI – 8/1/PA/2019

Date: 30.06.2020

Dear Smt. Pandey,

In response to OM no. 24011/08/2019 – GC dtd. 25.03.2019 regarding monthly DO letter from Secretary (E & F) to the Cabinet Secretary, I am furnishing herewith the following major achievements of Botanical Survey of India for the month of **June, 2020**  
**Department: Botanical Survey of India**

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

Scientists of BSI reported **2 novel plant species new to science** viz. *Eugenia bolampattiana* (Myrtaceae) from the Western Ghats and *Aloe trinervis* (Asphodelaceae) from the Indian Desert region. They also reported one **new addition** i.e. *Pancratium zeylanicum* (Amaryllidaceae) to the Flora of Telangana, India. During this month, BSI has also prepared the Plant Discoveries 2019, which enumerated 253 novel species that were discovered during 2019.

**Important events organized during the month:**

**World Environment Day** was observed across all the regional centres and units of BSI on 5<sup>th</sup> June, 2020. On this occasion, various online competitions on Drawing, Slogans and Essay competitions were conducted in which more than 700 students from various schools / institutions participated. Besides, plantation programmes have been organized to introduce several endemic plants like *Rhododendron griffithianum*, *Rhododendron maddenii* etc. to create awareness among general public.

**Important meetings / programmes / lectures attended / delivered during the month:**

- Director, BSI delivered an invited lecture on 'Floristic diversity in India with special reference to *Rhododendrons*' in the webinar organized by Central University of Punjab, Bathinda on 2<sup>nd</sup> June 2020.
- Director, BSI conducted a virtual meeting with all the Heads of offices and team leaders of all regional centres / units of BSI on 3<sup>th</sup> June, 2020 to discuss the matter related to Flora of India.
- Director, BSI as a committee member and representative of MoEF&CC attended a virtual meeting with Dr. C.R. Babu, CEMDE held at University of Delhi, New Delhi on 8<sup>th</sup> June, 2020 to finalize the 'Guidelines for setting up of Biodiversity Parks in the flood plains of the rivers of India including river Ganga'. He also delivered an invited lecture on 'Floristic diversity and conservation in India' in the webinar organized by Daulat Ram College, Univ. of Delhi on the same day.
- Director, BSI attended the 26<sup>th</sup> meeting of Scientific Advisory Committee (SAC) of the G.B.Pant National Institute of Himalayan Environment and Sustainable Development on 22<sup>nd</sup> & 23<sup>rd</sup> June 2020 (through Video Conferencing).
- Besides, Director, BSI also attended a virtual meeting with Ministry on 26<sup>th</sup> June 2020 to discuss the proposal of 'Pool Scientists' in BSI & ZSI.
- Dr. B.K. Sinha, Scientist 'F', BSI attended 41<sup>st</sup> Expert Committee Meeting of the Eco Sensitive Zones (ESZ) through Video Conferencing on 22<sup>nd</sup> and 23<sup>rd</sup> June, 2020.
- Dr. S.S. Dash, Scientist 'E', delivered an invited lecture on "Floral Diversity of Eastern Himalaya" in a webinar organized by Indian Institute of Engineering Science And Technology, Shibpur on the occasion of the World Environment Day (5<sup>th</sup> June, 2020).
- Dr. Kumar Ambrish, Scientist E, attended a meeting at Himachal Pradesh Secretariat, Shimla on HP State Board for Wildlife on 29<sup>th</sup> June, 2020, chaired by Honorable C.M. Himachal Pradesh.
- Dr Arti Garg Scientist E delivered keynote lecture on 'Palynology – Methods and techniques on studies of viability, emasculation and pollen fertility' in webinar for Ph.D. course work organized by Dept. of Botany, Bundelkhand University, Jhansi on 30.05.2020.
- Dr. Pratibha Gupta, Scientist 'E' attended Global Web Conference, Pandemic Covid 19: Global Impact on Environment and Sustainable Development from 05.06.2020 to 06.06.2020 organised by Internal Quality Assurance Cell (IQAC), Pryagraj and Global Environment & Social Association (GESA), New Delhi and delivered an invited lecture on the topic entitled "Corona Virus Problem and Solution and its Impact on Environment on 6<sup>th</sup> June, 2020.
- Dr. Kuldip S. Dogra, Scientist D delivered a webinar lecture on Biodiversity Conservation and protected areas in India held at Dolphin Institute, Dehradun on 5<sup>th</sup> June, 2020.





- Dr. A.N Shukla, Scientist C delivered an invited lecture on 'Herbarium Techniques' for Ph.D. course work organized by Dept. of Botany, Bundelkhand University, Jhansi on 29.05.2020 and on 'Biodiversity' in Global web conference on Pandemic Covid-19: Global Impact on Environment and sustainable Development (PSED 2020) organized by DDU Govt. P.G. College, Saidabad, Prayagraj on 06.06.2020.
- Dr. S.K Yadav and Dr. Anand Kumar, Botanists, BSI attended a virtual Workshop titled "Science Leadership Workshop" organized by the Central University of Punjab, Bathinda and sponsored by INSA, New Delhi from 22<sup>nd</sup> – 28<sup>th</sup> June, 2020.

**Important publications:**

- a) DAS, S.K., D.K. RAWAT, S.S. DASH, A. BANERJEE, B. K. SINHA, AND P. SINGH 202. Moss-inhabiting diatoms as ecological indicators in Neora Valley National Park (Eastern Himalaya), India. *Tropical Ecology*. DOI: 10.1007/s42965-020-00083-9.
- b) DASH, S.S., S. LAHIRI, A. GHOSH AND B.K. SINHA, 2020. Notes on two lesser known *Codonopsis* (Campanulaceae) from eastern Himalaya, India. *Rheedea*. 30 (2): 286-292.
- c) DEORI, C., S.K. SARMA AND T.M. HYNIEWTA 2019. *Dendrobium Orchids of Northeast India*. Purbayon Publication, Guwahati, Assam, India. [BOOK]
- d) KUMAR, S., C.S. PUROHIT AND R.N. KULLOLI 2020. *Aloe trinervis* sp. nov. A new succulent species from Indian Desert (Asphodelaceae). *Journal of Asia Pacific Biodiversity* 13(2): 325 – 330.
- e) LAKSHMINARASIMHAN, P., N. ODYUO, C. DEORI, D. VIJAYAN, D. L. BIATE AND K. N. GANDHI. 2020. A report on the fourth botanical nomenclature course organized by the Botanical Survey of India at Shillong. *Harvard Papers in Botany*, 25(1): 75-77.
- f) RAVICHANDRAN, V., M. MURUGESAN AND C. MURUGAN. 2020. *Eugenia bolampattiana* (Myrtaceae), A new species from the Bolampatty Hills of Nilgiri Biosphere Reserve, India. *Gardens' Bulletin Singapore* 72 (1): 117-123.
- g) SINGH, D.K., S.K. SINGH AND D. SINGH, 2019. Bryophytes of Karnataka – A checklist. In: Flora of Karnataka A checklist vol.-1 Algae, Fungi, Lichens, Bryophytes & Pteridophytes. Karnataka Biodiversity Board, Bengaluru. 400-453.
- h) SWAMY, J. 2020. *Pancratium zeylanicum* L. (Amaryllidaceae): An Addition to the Flora of Telangana, India. *Indian Forester* 146 (5): 459-460.

2. Important policy matter is held up on account of prolonged inter-ministerial consultation: NIL

3. Compliance of COS decisions: Nothing pending

4. No. of cases of 'Sanction for prosecution' pending for more than 3 months: NIL

5. Particulars of cases in which there has been a departure from the Transaction of Business Rules or established policy of the government: NIL

6. Status of implementation of e-governance: MIS module is yet to be introduced in BSI

7. Details of cases in which ACC directions have not been complied with: NIL

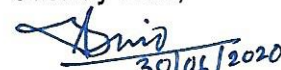
8. Status of Public grievances:

No. of public grievances redressed during the month	No. of Public grievances pending at the end of month
One	Nil

9. 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 30/06/2020

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

