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निदेशक
A. A. Mao
Director



भारत सरकार
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय
भारतीय वनस्पति सर्वेक्षण
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST
& CLIMATE CHANGE
BOTANICAL SURVEY OF INDIA

DO. No.: BSI – 8/1/PA/2019

Dear Smt. Pandey,

Date: 31.03.2020

I am furnishing herewith the following major achievements of Botanical Survey of India for the month of March, 2020 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 (BSI)

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

Scientists of BSI conducted **four** botanical explorations (an ethnobotanical tour to Gaya & Nalanda districts, Bihar; Neora Valley NP, Darjeeling, WB; Sundarbans Biosphere Reserve, WB and a local algal trip in King and Prian Lakes of AJCB IBG) in different geographical regions of the country under various research projects and vouched **462** field numbers of plants specimens. Besides, scientists of BSI reported a herbaceous species *Didymocarpus bhutanicus* (Gesneriaceae) from the Eastern Himalayas this as a new record to the Indian flora.

Important events / meetings organized / attended by Director, BSI during the month:

BSI CRC, Allahabad and Forest Research Centre for Eco-Rehabilitation (ICFRE) jointly organized a “**National Workshop on Forestry Interventions in Eco-Rehabilitation**” held at Allahabad on 3rd March, 2020. In addition, Dr. G.P. Sinha, Sci. 'F' served as a resource person in the “*Workshop on Collection and Identification of Lichens and Herbarium preparation*” held at SRM University, Sikkim. Dr. Avishek Bhattacharjee, Sci. 'C' served as a resource person in the “*Workshop on Flowering and non-flowering plants identification and Herbarium methodology*” held at the Department of Botany, Gurudas College, Kolkata on 26-27 February, 2020 and delivered a lecture on 'Different kinds of name and nomenclatural types'.

Some important publications:

- LAHIRI, S., S.S.DASH, AND B.K. SINHA 2020. *Didymocarpus bhutanicus* W.T. Wang (Gesneriaceae): A new addition to the herbs of India. *J. Threat. Taxa*. 12 (4): 15514-15517.
- SINGH, H., M. MISHRA AND P. DHOLE 2019. *Abutilon pannosum* (G.Forst.) Schldl. (Malvaceae) - A New Addition to the Flora of Bihar, India. *Indian J. Forestry*. 42 (4); 105-106.
- GUPTA, PRATIBHA 2019. Amazing Great Banyan Tree an Identity of Acharya Jagadish Chandra Bose Indian Botanic Garden: Introduction, Biodiversity and Importance. *Anusandhan*. 7(1): 48 - 55.
- TIWARI, M. K. AND P. GUPTA 2019. Study of host parasite relationship between *Mycobacterium lucknowense* and Entamoeba (E. histolytica and E. invadens). *Anusandhan*. 7(1): 5 - 8.
- DAS, S.K. AND D. SINGH 2020. Epiphytic algae on the Bryophytes of Larsemann Hills, East Antarctica. *Natl. Acad. Sci.* <https://doi.org/10.1007/s40009-020-00947-7>.
- JOSHI, B., A. BHANDARI AND G.S. PANWAR. 2020. An efficient micropropagation protocol for *Vernonia amygdalina* Delile-an economically valuable shrub. *J. Herbs, Spices, Medicinal Plants*. <https://doi.org/10.1080/10496475.2020.1728601>.
- SHARMA SACHIN, B.S. KHOLIA AND S.K. SINGH 2020. Pteridophytic Diversity in Jhum, Moist Deciduous Forests and Semievergreen Forests of Murlen National Park, Mizoram, in abstract book Symposium Indian Fern Society held at Baroda, Gujarat.
- KUMAR, B., H.C. PANDE AND P. JOSHI 2020. Pteridophytic Flora of Jammu and Kashmir State: A New Sketch. In: Dar G., Khuroo A. (eds.) Biodiversity of the Himalaya: Jammu and Kashmir State. *Topics in Biodiversity and Conservation*. vol 18. Springer, Singapore. Pp 415-447.

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
	1

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

To

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



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