



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: 16.08.2019

Dear Smt. Pandey,

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

Department: Botanical Survey of India

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

**Species discovered as new to science and species reported for the first time from India**

Scientists of BSI discovered and described two new ginger species namely *Zingiber perenense* and *Zingiber dimapurense* and one new orchid species namely *Rhomboda monensis* from Nagaland, North-Eastern India. They also reported *Themeda tremula* (Poaceae), a new record from Northeast India.

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

During the month, Director, BSI attended the CoP 14 meeting at MoEF&CC, New Delhi on 30<sup>th</sup> July 2019. He also attended a meeting at MoEF&CC, New Delhi and made there a presentation before the new MoS on 9<sup>th</sup> July 2019. The 25<sup>th</sup> SAC meeting of GBPNIHESD held at Almora on 16<sup>th</sup> & 17<sup>th</sup> July, 2019 was also attended by Director, BSI.

**Field Tours conducted:**

Five botanical explorations were conducted in various parts of the Western Himalaya and Western Ghats by the scientists of BSI and collectively vouched 508 field nos. Besides, an ethnobotanical survey was conducted to tribal populated district of Bihar and collected 103 field nos. of ethnobotanical species. Similarly, a macrofungal survey and collection tour was undertaken to different parts of North Sikkim and collected the famous caterpillar fungi for macro-morphological study.

**Observance of Van Mahotsav and International Yoga Day:**

During the month of July, 70<sup>th</sup> Van Mahotsav was observed throughout BSI. On this occasion, around 29000 plant saplings were distributed and around 3000 mangroves were planted along the Hoogly river bank. The International Yoga Day was also observed on 21<sup>st</sup> June, 2019.

**Some important publications:**

- Odyuo, N., D. K. Roy, C. Lyngwa and A. A. Mao, 2019. *Zingiber perenense*, a new species in *Zingiber* section Cryptanthium (Zingiberaceae) from Nagaland, India. Thailand Nat. Hist. Mus. J. 13(1): 1-10.
- Odyuo, N., D. K. Roy and A. A. Mao, 2019. *Zingiber dimapurense* (Zingiberaceae), a new species from Nagaland, India. NeBIO 10(2): 59-65.
- Chorge, A.R. and P. Lakshminarasimhan, 2019. *Themeda tremula* (Poaceae), a new report from Northeast India. *J. Econ. Taxon. Bot.* 42 (1-4): 80-82.
- Chakrabarty, T. and G. Krishna 2019. Lectotypification of the name *Macaranga kurzii* (Euphorbiaceae) *Phytotaxa* 411 (2): 125–126.
- Paithane, V.A., A.S. Bhuktar, P. Lakshminarasimhan and P.V. Prasanna, 2019. Lectotypification of *Eriocaulon xeranthemum* (Eriocaulaceae). *Rheedea* 29 (2): 184–185.

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
	3

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,

16/08/2019  
A. A. MAO

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