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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/2019/967

Dear Smt. Pandey,

Date: 01.10.2021

In reply to OM no. 24011/08/2019 - GC dtd. 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 September, 2021

Department: Botanical Survey of India

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

Scientists of BSI reported three new species of plants viz. *Bambusa daoporjeana* (Poaceae), *Henckelia dasii* and *Henckelia lallanii* (Gesneriaceae) from the Eastern Himalayan state of Arunachal Pradesh, India. Scientists of BSI conducted 5 field / local tours and collected 246 field numbers of plants. Besides, they also completed metadata of 710 herbarium specimens.

Important events / programmes organized / attended:

- BSI organized its 10th RAMC (Research Advisory & Monitory Committee) at BGIR, Noida from 20th to 21st September, 2021, under the chairmanship of Prof. A.K. Koul. Shri Ravi Agrawal, the Addl. Secretary, and Smt. Manju Pandey, Joint Secretary, MoEF&CC inaugurated the RAMC meeting.
- BSI and its regional centres organized Hindi Fortnight from 01.09.2021 to 15.09.2021 and Hindi Diwas on 14.09.2021. On this occasion, various Hindi competitions were organized to promote the uses of Hindi in official communications.
- BSI, ANRC, Port Blair organized a lecture on the topic 'Handloom: An India Legacy.' as a part of celebration of 7th National Handloom Day-2021 on 07.09.2021.
- BSI, SHRC, Gangtok organized a webinar on the auspicious occasion of 'Azadi ka Amrit Mahotsav' and released the book "Wild Balsams of Darjeeling & Sikkim Himalaya" among International Audience via online mode on 07.09.2021. Dr. A.A. Mao, Director BSI released the book.
- BSI, AJCB Indian Botanic Garden, Howrah, in collaboration with the Regional Outreach Bureau, Kolkata (Ministry of Information and Broadcasting, Govt. of India) organized a 5 days photo exhibition for the general public from 29th September, 2021.

Important scientific publications:

During this month, 2 book and 8 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, 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 |
|---|--|
| 0 | 0 |

- 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



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Research Papers published: 8

1. ARUMUGAM, S., M. PREMKUMAR AND C. MURUGAN 2021. A New Population record of *Henckelia lyrata* (Gesneriaceae): A Critically Endangered Endemic Species from Southern Western Ghats, India. *Species*. 22(70): 218-221.
2. BANDYOPADHYAY, S., A. BHATTACHARJEE AND T. CHAKRABARTY 2021. Nomenclatural notes on '*Cycas bglswamyii* D.D. Pant ex P.K. Agrawal, M. Akhtar and R.C. Srivast.' (Cycadaceae) – an invalid name. *Ann. Pl. Sci.* 10(5): 4219–4221.
3. BASUMATARY, S. K., GOGOI, R., S. TRIPATHI, R. GHOSH, A. K. POKHARIA, H. G. MCDONALD, N. SHERPA, E. N. VANASPEREN, R. AGNIHOTRI, G. CHHETRI, K. SAIKIA, AND A. PANDEY 2021. Red Panda feces from Eastern Himalaya as a modern analogue for palaeodietary and palaeoecological analyses. *Scientific Reports* 11:18312 <https://doi.org/10.1038/s41598-021-97850->
4. KUMAR, PUNEET., HARMINDER SINGH, SUSHIL KUMAR 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 north-western Himalaya. *Microscopy Research and Technique* 84(10): 2291-2301.
5. LAHIRI, S AND S.S, DASH 2021. Diversity of *Rhododendron* L. (Ericaceae) in Dzongri Goecha La trekking trail of Khangchendzonga Biosphere Reserve, Sikkim, India. *Pleione* 15(2) : 223. 232. 2021.
6. NAITHANI, H. B. AND MANISH K. KANDWAL 2021. *Bambusa daoporijeana*: A new species of Bamboo from Arunachal Pradesh. *Indian Forester*. 147(7): 687-688.
7. PATIL, S., R. SHINDE., J. SKORNIKOVA AND R. CHAUDHARI 2021. Fixing stray traditions in gingers: The identity and nomenclature history of *Zingiber neesatum* and other entwined names. *Taxon*. 70(5): <https://doi.org/10.10002/tax.12567>.
8. TARAM, M., D. BORAH, R.K. SINGH AND H. TAG 2021. Two new species of *Henckelia* (Gesneriaceae) from the Eastern Himalayan state Arunachal Pradesh, India. *Feddes Repertorium* 2021: 1–8.

Book Published: 2

1. THE FLORA OF THE UDAIPUR WILDLIFE SANCTUARY, WEST CHAMPARAN, BIHAR, INDIA. Botanical Survey of India, Kolkata.
2. WILD BALSAMS OF DARJEELING & SIKKIM HIMALAYA. Botanical Survey of India, Kolkata.