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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

Date: 06.05.2021

Dear Smt. Pandey,

In reference 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 April, 2021.

Department: Botanical Survey of India

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

Scientists of BSI reported a new lichen species to science i.e. *Diorygma isidiatum* Swarnal. (family: Graphidaceae) from Assam, India. Besides, they also reported one taxa *Neopicrorhiza minima* (Plantaginaceae) as new addition to the flora of India; *Ceropegia ansariana* (Apocynaceae) to Mizoram; *Crotalaria lamelliformis* (Fabaceae) to the Eastern Ghats and genus *Adenosma* (Plantaginaceae) to the flora of Telangana. Besides, BSI has also updated the IUCN status of two taxa viz. *Musa markkui* and *Musa puspanjalai* (Musaceae) on The IUCN Red List of Threatened Species e- database.

Important events / programmes organized / attended:

- BSI signed the MoU with the ICAR-NBPGR in order to exchange the scientific research on plant conservation between two institutions.
- A new 'Sell Counter' of BSI inaugurated in Central National Herbarium building (CNH) on 13 April, 2021 for selling of publication/ books of towards the dissemination of information.
- BSI and all its regional centres observed 'Earth Day' on 22 March, 2021. On this occasion plantation activities were organized in the experimental garden of BSI, NRC Dehradun.

Important scientific publications:

During this month 16 research publications have been published by BSI scientists in various journals of international and national repute. (Annexure 1).

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: PFMS, CPGRAMS, e-Publications, GEM Portal of Nelumbo etc. have already been implemented.

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	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,


06/05/2021
A. A. MAO

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



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Important Research Publications

1. BORAH, D. AND R.K. SINGH. 2021. New record of *Neopicrorhiza minima* R.R. Mill (Plantaginaceae) to the flora of India. *Mongolian J. Biol. Sci.* 19(1): 55-59.
2. BUYCK, B., G. EYSSARTIER, B. DIMA, G. CONSIGLIO, M.E. NOORDELOOS, V. PAPP, I. BERA, A. GHOSH, W. ROSSI, M. LEONARDI & K. DAS. 2021. Fungal Biodiversity Profiles 101 – 110. *Cryptogamie Mycologie* 42 (5): 63-89.
3. CHAKRABORTY, S., AGRAWALA D.K., AAZHIVAENDHAN G. AND JALAL J.S. 2021. Notes on *Aphyllorchis gollanii* and *Aphyllorchis alpina* (Orchidaceae) and lectotypification of both names. *Richardiana* . 5: 34 – 47.
4. KUMAR, A., G. KRISHNA AND T. CHAKRABARTY 2021. *Glyptopetalum griffithii* (Celastraceae) synonymized under *G. calocarpum* and typification of two names. *Phytotaxa* 496(1): 101–103.
5. KUMAR, A., S. MAJUMDAR AND V. RANJAN. 2021. Typification of *Ardisia serratifolia* Bedd. and *A. oxyantha* Wall. ex A.DC. (Primulaceae). — *Ann. Bot. Fennici* 58: 233–235.
6. MAJUMDAR S. AND M. DEY 2021. Present status of Liverworts and Hornworts in India. *Annals Plant Sci.* 10(3). 4162-4166.
7. MURUGESAN, M. AND A.A. MAO. 2021. *Ceropegia ansariana* (Apocynaceae: Ceropegieae), a new species from Mizoram, Northeast India. *Taiwania* 66(2): 121–125, DOI: 10.6165/tai.2021.66.121.
8. NITHYA, S.P., ARUMUGAM S., R. MANIKANDAN AND B. KARTHIK. 2021. Wild relatives of cultivated crops in Gulf of Manar Biosphere Reserve, Tamil Nadu, India. *Indian Forester*, 147(4): 395-399.
9. NOLTIE, H.J., A. KUMAR, K.A. BHARATI, A. BHATTACHARJEE AND G. KRISHNA 2021. Specimens of William Roxburgh in the Central National Herbarium at the A.J.C. Bose Indian Botanic Garden, Howrah. *Curr. Sci.* 120(6): 997–1006.
10. PASUPULETI SIVARAMAKRISHNA, PULICHERLA YUGANDHAR AND LAL JI SINGH. 2021. *Crotalaria lamelliformis* (Fabaceae: Crotalarieae), a new species from Eastern Ghats of Andhra Pradesh, Peninsular India. *Phytotaxa* 490 (1): 071–081.
11. PATIL, SAMEER AND S.K. SINGH. 2021. *Scilla viridis* (Asparagaceae): A century of misinterpretation. *Nordic J. Botany* 39(4): <https://doi.org/10.1111/njb.03018>.
12. RASINGAM, L. AND K. KARTHIGEYAN. 2021. Two new names in the family Lauraceae. *Phytotaxa* 491 (2): 191–192.
13. SENGUPTA, SHREYA AND RASHMI DUBEY. 2021. Taxol producing fungi: a critical review in experimental aspects. *J. Mycopathol. Res.* 59 (1): 1-9.
14. SINGH, HARISH, M. MISHRA AND P.A. DHOLE. 2020. Ethnomedicinal uses of plants from Kaimur and Rohtas districts of Bihar, India. *Ethnobotany*. 30:10-21.
15. SWAMY, J. 2020. *Adenosma* (Plantaginaceae): A new generic record to the Flora of Telangana, India. *Indian J. Forestry* 43 (2): 137-139.
16. SWANALATHA, G. 2021. A new species of *Diorygma* (Graphidaceae) from India. *Archive for Lichenology* 26: 1–4.