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निदेशक
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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: 01.12.2020

Dear Smt. Pandey,

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 November, 2020.

Department: Botanical Survey of India

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

Scientists of BSI reported **two novel plant species as new to Science** viz. *Russula ashioi* K. Das, A. Ghosh, Buyck & Hembrom and *Russula indonigra* A. Ghosh, K. Das, Buyck & Hembrom from the Indian Himalaya. Besides, **two legume species** viz. *Crotalaria verrucosa* L. and *Senna auriculata* (L.) Roxb. have also been reported as new additions to the flora of Andaman & Nicobar Islands. During this month BSI signed a MoU with Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur at BSI headquarter, Kolkata on 20.11.2020 for scientific cooperation and exchange of scientific knowledge.

Important events / programmes organized / attended:

- BSI organized a virtual meeting with all the Heads of Offices and Scientists to discuss the progress and status of "Flora of India" on 06.11.2020.
- Director, BSI delivered a virtual lecture on "Janaki Ammal and her contribution in Botanical Research in India" in a National seminar on 'E.K. Janaki Ammal and her contribution to Indian Science' organized by National Museum of Natural History on 05.11.2020. In addition, he also attended a virtual meeting of the Selection Committee for E.K. Janaki Ammal National Award on Taxonomy on 17.11.2020.
- Director, BSI attended a virtual meeting on 'World Online Flora' on 17.11.2020.
- Director, BSI attended a virtual meeting on ePBR for biodiversity, as expert committee member, organized by National Biodiversity Authority on 20.11.2020 and 26.11.2020.

Some important publications:

During this month, BSI published **10 research papers** in various international and national journals (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, OJMS portal of Nelumbo etc., has 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	0

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,

Yours Sincerely,

(A. A. MAO)

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



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RESEARCH PAPERS:

1. BHATTACHARJEE, A. AND S. BANDYOPADHYAY 2020. Jaideep Mazumdar: a passionate, silent researcher who left treasures behind. *Phytotaxa* 470 (1): 117–120.
2. CHAUDHURY S., C. HABIBURRAHAMAN, H. SINGH, K CHAUDHURI AND TAPAN SEAL 2020. Nutritional and medicinal importance of *Dioscorea glabra* R. Baron, a potent wild edible plant consumed by the *Lodha* tribal community of West Bengal, India. *Current Nutrition and Food Science* 16 (3): 284-295.
3. DAS, K., A. GHOSH, B. BUYCK AND M.E. HEMBROM 2020. Two new species of *Russula* subgenus *Compactae* from Indian Himalaya based on morphology and molecular phylogenetic inferences. *Nordic J. Botany*. Doi: 10.1111/njb.02962.
4. NAIK, C.M. AND LAL JI SINGH 2019. Two legume species additions to the flora of Andaman & Nicobar Islands, India. *Abrahamia* 5(1): 1-4.
5. PANDA S.P., H.K. SAHOO, R. SARAVANAN, R. BEHERA, M.U. SHARIEF AND H.N. SUBUDHI 2020. Some less known medicinal herbs of Kandhamal district of Odisha. *J. Pharmacognosy Phytochemistry* SP 6: 424 – 428.
6. PUROHIT C.S. 2020. New population records of an Endemic plant- *Melhania magnifolia* Blatt. & Hallb. from Todgarh-Raoli Wildlife Sanctuary, Rajasthan. *Species* 21(68): 306-315.
7. REWICZ, A., W. ADAMOWSKI, S. BORAH, AND R. GOGOI. 2020. New Data on Seed Coat Micromorphology of Several *Impatiens* spp. from Northeast India. *Acta Societatis Botanicorum Poloniae* 89(3): 89312. DOI: 10.5586/asbp.89312.
8. SARVANAN R, D. KANNAN, S.P. PANDA AND S. DATTA. Traditionally used wild edibles plants of Kluldiha Wildlife Sanctuary, Odisha, India. *J. Pharmacognosy & Phytochemistry*. SP 6: 482-488.
9. TAPAN SEAL. 2020. Effect of boiling and microwave cooking on nutritional, anti-nutritional and toxicity of wild edible plants of North-Eastern region in India. *Inter. J. Pharmacy Pharmaceut. Sciences* 12 (11): 61-70.
10. WISITRASSAMEEWONG, K., PARK, M.S., LEE, H., GHOSH, A., DAS, K., BUYCK, B., LOONEY, B.P., CABON, M., ADAMČÍK, S, KIM, C., KIM, C.S., LIM, Y.W. 2020. Taxonomic revision of *Russula* subsection *Amoeninae* from South Korea. *Mycokeys* 75: 1–29.