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निदेशक
A. A. Mao
Director



सत्यमेव जयते

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 / 866

Date: 02.11.2022

Madam,

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 **October, 2022**

Department: Botanical Survey of India

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

Scientists of BSI reported (2) **two taxa as new to science** viz. *Lactifluus tropicalis* Ghosh et al. (Russulaceae): a new edible species from Jharkhand and *Lasioloma krishnasinghii* Jagadessh Ram TAM et al. (Ascomycota: Pilocarpaceae) from the Andaman and Nicobar Islands, India and (1) **one taxa as a new record** viz. *Strophanthus caudatus* (L.) Kurz (Apocynaceae), for Odisha.

In addition, scientists of BSI conducted 6 field/ local tours. BSI completed metadata of 5065 herbarium specimens. During the month, 149559 visitors referred BSI official website, 32958 visitors referred BSI archive and 83363 visitors visited the Indian Virtual Herbarium.

Important events / programmes organized / attended:

During this month 1 webinars were organized throughout the different regional centres and units of BSI.

1. BSI-ERC, Shillong organized a training program on Herbarium Techniques to 17 students along with 4 lecturers from Immanuel College, Dimapur, Nagaland on 23rd September 2022 at BSI, ERC.
2. All the staff members of NRC attended medical health check up camp organized by Velmed Hospital in NRC on 14-10-22.
3. All the staff members of NRC attended the meetings related to weeding out of Govt records of BSI, Dehradun under Swachh Bharat Mission.
4. Scientists of CBL, Howrah attended meeting for "National Webinar on Records Management- Swachhta Campaign 2.0" with Additional Secretary, MOEF& CC and BSI scientists during 07.10.2022, 13.10.2022, 19.10.2022.
5. 'Safai Avijyan' has been organised at CNH premises on 07.10.2022.
6. BSI-ISIM, Kolkata organised 'World Food Day' on 16.10.2022 at Botanical Gallery during which awareness campaign was conducted. A guided visit was organized at Botanical Gallery and emphasized types of food and food products present in the Food section.
7. BSI-APRC, Itanagar organized Webinar on 'Capacity building training program on "Plant Taxonomy Systematics & Phyto-Diversity"' in collaboration with Arunachal Pradesh State Council for Science & Technology, DST, Arunachal Pradesh on 21st, 22nd & 23rd Sept. 2022.
8. BSI-SRC, Coimbatore organized Foundation Day celebration on 10th October 2022
9. BSI organized the RAMC (Research Advisory & Monitoring Committee) meeting on the 20th and 21st October, 2022 at CNH, Howrah, Chaired by Prof. C.R. Babu and attended by the members of the committee. The meeting was also attended by Mrs. Nameeta Prasad, Joint Secretary, MoEF&CC.
10. All staff members of BSI observed the **Vigilance Awareness Week** from 31st October 2022 onwards by taking Unity pledge and the Integrity pledge.

Important scientific publications:

During this month 15 research articles/ papers were published in various International and National research journals and 1 book has also been published (Annexure 1).

2. **Important policy matter held up on account of prolonged inter-ministerial consultations: NIL**
3. **No. of cases of 'Sanction for prosecution' pending for more than 3 months: NIL**
4. **Particulars of cases in which there has been a departure from the Transaction of Business Rules or established policy of the government: NIL**
5. **Status of ongoing Swachhta Abhiyaan (Progress under Special Campaign):** Under outreach activities, regular cleaning drives and public awareness campaigns are organized in BSI. A Special Campaign 2.0 was organized by BSI where a total of 9740 files/records were weeded out and overall 60 tons of scrap/obsolete material that freed a total space of 10,260 sq. ft. generating a total revenue of Rupees Seventeen lakhs thirty four thousands only (Rs. 17.34 lakhs) throughout the 17 Campaign sites.
6. **Status of Rationalization of Autonomous Bodies: NIL**
7. **Information on the specific steps taken for utilization of the space technology based tools and applications in governance and development: NIL**
8. **Vacancy position of senior level appointments in the Ministry/ Department, including Autonomous Bodies/ PSUs: NIL**
9. **List of cases in which ACC directions have not been complied with: NIL**

With regards,

Sincerely yours,

02/11/2022
A. A. MAO

To
Ms. Nameeta Prasad, JS, (CS-II), MoEF&CC, New Delhi - 3



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List of Publications for October, 2022**Research Papers published:15**

1. ANIMESH, M. AND K. KARTHIGEYAN 2022. On the occurrence of *Mucuna monosperma* (Leguminosae) in West Bengal, India. *Indian J. Forest.* 44(4): 163-165.
2. ARIGELA, R.K. AND K.A.A. KABEER 2022. New synonyms in three southern Indian endemic species of *Impatiens* (Balsaminaceae). *Ann. Bot. Fennici* 59: 261–271.
3. DATTA, S., S. BHATTACHARJEE AND T. SEAL. 2022. Anti-diabetic, anti-inflammatory and anti-oxidant properties of four underutilized ethnomedicinal plants of West Bengal, India: an in vitro approach. *South African Journal of Botany* 149:768-780.
4. DUTTA PRAMANICK, D., S. DATTA, M. BHAUMIK 2022. Observation of highly ignored traditional 'Potchitra' handicrafts in Bharatpur village, Bankura Dist., West Bengal, India along with study of some local natural dye yielding plants used in this art form - a case study. *Journal of Humanities and Social Science* 27(8): 74-79.
5. GHOSH A., I. BERA, D. CHAKRABORTY, ME. HEMBROM, A. VERBEKEN, AND K. DAS 2022. A new edible species of *Lactifluus* (Russulaceae) from *Shorea robusta* dominated forests in tropical India. *Phytotaxa* 564 (3): 277–287.
6. GNANASEKARAN, G., A.F.J. KING AND W. ARISDASON 2022. *Lepidagathis spinosa* (Barlerieae: Acanthaceae), a steno-endemic species of Tamil Nadu, India: its taxonomy, lectotypification and distribution in *Rheedea* 32(3): 201–208.
7. RAM, T.A.M., JAGADEESH AND G.P. SINHA 2022. *Lasioloma krishnasinghii* (Ascomycota: Pilocarpaceae), a new foliicolous lichen from the Andaman and Nicobar Islands, India *Taiwania* 67(4): 552–554.
8. MOAAKUM, S. DEY, A. BHATTACHARJEE AND T. NEIKHA 2022. On the first record of *Calanthe lamellosa* (Orchidaceae) from India with notes on typification. *Rheedea* 32(3): 190–195.
9. PRAMEELA, R., J. SWAMY AND M. J. BHASHA 2022. Notes and ethnic importance on the purplestem taro (*Xanthosoma violaceum* Schott- Araceae). *J. Indian bot. Soc.* 102 (3): 274-277.
10. PURTI, N., SINGH L. J. AND A. K. PANDEY 2022. New hosts for the cycad blue butterfly, *Luthrodes pandava*, Horsfield (Lepidoptera: Lycaenidae) in an island ecosystem. 2022. *Feddes Repertorium.* 133 (3). 234-243.

11. RASHMI DUBEY, NEELIMA MOONAMBETH, AMIT DIWAKAR PANDEY 2022. Taxonomy, distribution and statistical ecology of black mildews fungi reported from Maharashtra state of India. *Asian Journal of Forestry* 6 (2) : 97-125.
12. SINGH R. K., RAVI KIRAN ARIGELA AND SUJANA K. A. 2022. *Strophanthus caudatus* (L.) Kurz (Apocynaceae), a new record for the flora of Odisha state. *Indian Forester*, 9: 953-954
13. SINGH, R.K. 2022. Typification of *Tradescantia fasciculata* B. Heyne ex Roth (Commelinaceae) revisited. *Annales Botanici Fennici* 59: 239–241.
14. SWAMY, J., B. PRABHAKAR AND A. APPAIAH 2022. Note on the Taxonomy and Distribution of *Eragrostis cumingii* Steud. (Poaceae: Chloridoideae) in India. *Indian Forester* 148 (9): 956-957.
15. TRIPATHI, S., GARG, A., SHUKLA, A. N. AND FAROOQUI, A., PANDEY, A., TRIPATHI, T. AND SINGH, V. K. 2022. Pollen micro-morphometry of two endangered species of *Rauvolfia* L. (Apocynaceae) from the Indo-Gangetic Plains of Central India using LM, CLSM and FESEM *Palynology* 46(4): 1-13.

BOOKS

1. YADAV, S.K. & PALANISAMY, M. 2022. Economically Important Marine Macro Algae of the West Coast of India: A Review. In: Debabrata Maity and Krishnendu Acharya (Eds.) *Biosystematics and Bioresources: The proceedings of the International Conference on Algae, Fungi and Plants: Systematics to Applications*. Published by M/s Bishen Singh Mahendra Pal Singh, Dehradun, India (ISBN: 978-93-93628-3). PP.213-225