

DO. No.: BSI – 8/1/PA/2019 /746

Date: 03.09.2021

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 **August, 2021**.

Department: Botanical Survey of India

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

Scientists of BSI reported **six taxa of plants as new additions to India** viz. *Gastrochilus yei* (Orchidaceae), *Eriochloa meyeriana* (Poaceae), , *Cloniophora plumosa* (Cloniophoraceae) and three wild mushrooms i.e. *Lactarius ambiguus*, *L. hirtipes* and *L. kesiyae* from Arunachal Pradesh. Besides, they also reported **five taxa as new additions to the states of Telangana and West Bengal** i.e. *Urochloa trichopus*, *Schizachyrium brevifolium*, *Iphigenia magnifica* from Telangana and *Ischaemum ciliare* (Poaceae), a new record for the flora of Telangana State and *Leucophanes* as a new generic record to West Bengal. Besides, BSI released its e-archival data base of Types / herbarium specimens on official website on 24th August, 2021 for public reference.

Important events / programmes organized / attended:

- Dr. A.A. Mao, Director, BSI and Dr. S.S. Dash, Scientist E, BSI visited BGIR, Noida and attended meetings in the Ministry on 4th and 5th August, 2021 regarding development plans in BGIR, Noida.
- Dr. S.S. Dash, Scientist E, BSI attended as a nominated member of the committee of the Chhattisgarh State Biodiversity Board, Raipur from 16th – 18th August, 2021.
- Dr. A.A. Mao, Director visited BSI, AZRC, Jodhpur for inspection of office and gardens and interaction with the scientific staff of the regional centre from 28th August to 2nd September, 2021.
- Dr. A.A. Mao, Director organized two virtual meetings with the Scientists of various regional centres of BSI for discussion on revision of Users' charges in BSI, and review on the Flora of India.
- BSI and all its regional centres **observed Independence Day and Azadi Ka Amrit Mahotsav** and conducted various awareness programmes during this month.

Important scientific publications:

During this month, **17 research publications** have been published by BSI scientists 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 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	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,

Sincerely Yours,


03/09/2021
A. A. MAO

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



List of Publications

Research Papers published: 17

1. AGRAWALA, D.K., A.BHATTACHARJEE, J.S. JALAL AND C. DEORI 2021. *Gastrochilus yei* (Orchidaceae) – a new addition to the orchid flora of India. *Nelumbo* 63(1): 29–32.
2. ARIGELA R.K., R.K. SINGH, C.S. REDDY AND B. SADASIVAIAH 2021. A new synonym for *Corynandra aspera* (J. Koenig ex DC.) Roalson, with notes on morphological variation in Cleomaceae of southern India. *Ann. Bot. Fennici* 58: 331–339.
3. ARON S.K.Y. AND M. PALANISAMY 2021 A new combination of endemic species in *Ulva* from India. *Nelumbo* 63(1):218-219.
4. ARON S.K.Y. AND M. PALANISAMY 2021. Notes on the additions of Phaeophyceae Algae in coastline of Andhra Pradesh. *Nelumbo* 63(1):224-234.
5. BANDYOPADHYAY, S., ANAND KUMAR AND T. CHAKRABARTY 2021. A new combination in *Phanera* (Fabaceae). *Annales Botanici Fennici* 58: 321–322.
6. BERA, I. AND K. DAS 2021. Morphology and molecular phylogeny reveal three new records of wild mushrooms from India in *Lactarius* subgenus *Russularia*. *Nelumbo* 63(1): 183 – 196.
7. BHATTACHARJEE, B. AND A. BHATTACHARJEE 2021. Notes on identity of some Indian *Vernonia*(Asteraceae: Vernonieae) and lectotypification of *Vernonia fysonii*. *Nelumbo* 63(1): 102–110.
8. CHAKRABARTY, T., G. KRISHNA AND ANAND KUMAR 2021. Taxonomic notes on the status of *Actinodaphne leiophylla* and *A. nicobarica* (Lauraceae) including typification of two names. *Nelumbo* 63(1): 109–115.
9. DAS, S., A.A. KABEER AND K. KARTHIGEYAN 2021. *Eriochloa meyeriana* (Nees) Pilg. (POACEAE: PANICEAE) A new addition for the flora of India from West Bengal. *Nelumbo* 63(1): 25 – 28.
10. KUMAR, A. AND V. RANAJN 2021. On the identity of *Mucuna yadaviana* (Fabaceae). *Nelumbo* 63(1): 125–127.
11. NAGARAJU, S. AND B.S. YADAV 2021. *Urochloa trichopus* Stapf, an addition to the flora of Telangana state, India. *Int. J. Adv. Res. Sci. Eng. Technol.* 8(7): 17657–17661.
12. NAGARAJU, S. AND P.S. ANNAMMA 2021. Little bluestem grass *Schizachyrium brevifolium* (Sw.) Nees ex Buse, from Kawal Wildlife Sanctuary Tiger Reserve, an addition to the flora of Telangana State, India. *Int. J. Adv. Res. Sci. Eng. Technol.* 8(7): 17635–17637.
13. NAGARAJU, S., R. K. ARIGELA AND P. HARI KRISHNA 2021. Indian Murainagrass *Ischaemum ciliare* (Poaceae), a new record for the flora of Telangana State, India. *Int. J. Adv. Res. Sci. Eng. Technol.* 8(7): 17681–17685.
14. NAGARAJU, V., M.N. MITTA AND W. ARISDASON 2021. *Iphigenia magnifica* (Colchicaceae) – A new distributional record to the flora of Eastern Ghats, India. *Plant Science Today* 8(3): 727–731. 2021.
15. PUROHIT C.S., KULLOLI R.N. AND KUMAR S. 2021. Present status and *ex-situ* conservation of *Moringa concanensis* in Indian desert. 2021. *Int. J. of Env. Sciences* 11(2): 44–51.
16. SAHA, P., A. MAJI AND K. KARTHIGEYAN 2021. *Leucophanes* Brid.: A new genus addition to the moss flora of West Bengal. *Nelumbo* 63(1): 202 – 206.
17. VIANNY A.F., ARON S.K.Y. AND M. PALANISAMY 2021. *Cloniophora plumosa* (Cloniophoraceae, Ulvales) a new addition to the Algal flora of India. *Nelumbo* 63(1):220-223.