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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 /1570

Date: 01.02.2022

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 **January, 2022**.

Department: Botanical Survey of India

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

Scientists of BSI reported a **two taxa as new to science** viz *Elotespora mumbaiensis*, an anamorphic fungi from Peninsular India and *Impatiens jurpia* from Arunachal Pradesh. Scientists of BSI have also reported **nine taxa as new additions to the various states** viz. *Sporobolus tetragonus* (Poaceae: Chloridoideae), *Abutilon bidentatum* Hochst. ex A.Rich. (Malvaceae), *Mimulus strictus* Benth. (Phrymaceae) and *Salomonina cantoniensis* Lour. (Polygalaceae) as addition to the flora of South India; *Mesoptychia morrisoncola* (Jungermanniaceae, Marchantiophyta) as an addition to the Bryoflora of eastern Himalaya; *Melhania futteyporensis*, *Sida sivarajanii* *Leptochloa neesii* (Poaceae), and *Leptochloa panacea* (Retz.) Ohwi as additions to the flora of Telangana. In addition, Scientists of BSI conducted 16 field/ local tours and collected 873 Field numbers of plants. Besides, BSI also completed metadata of **43501** herbarium specimens.

Important events / programmes organized / attended:

- All regional centres of BSI organized the arrangement of *Surya Namaskar Programme* on 14th January, 2022 in connection with *Azadi Ka Amrit Mahotsav* at ERC, BSI, Shillong.
- All regional centres and units of BSI celebrated Republic Day on 26th January, 2022.
- BSI, APRC, Itanagar organized cleanliness drive in library and office premises on January 7, 2022 under Swachh Bharat Mission.
- Dr. L. Rasingam, Scientist-E, DRC attended a one day National Seminar on “*Biodiversity Conservation Strategies for a better tomorrow*” organised by University College of Science, Osmania University, Hyderabad on 24th December 2021 and delivered a lecture on ‘Botanical Survey of India - an overview & its role in advancement of taxonomic research & conservation in India.
- Dr. Rashmi Dubey, Scientist ‘E’ attended NIAS-DST Online Training Programme for Women Scientists on ‘*Science and Sustainability in India*’, during 3-7 January 2022 organised by National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore.
- Dr. S.P. Panda, Scientist- C, AJCBIBG, Howrah delivered an invited talk at a webinar “Recent trends in Bio-resource conservation research” organized by F.M. University, Balasore, Odisha on “Role of AJCBIBG in Plant Conservation” on 30.12.2021

Important scientific publications:

During this month **27 research publications** have been published by BSI scientists in various International and National research journals (*Annexure 1*).

BSI Website: During this month **1,05,399** persons visited BSI website.

B. Important policy matter is held up on account of prolonged inter-ministerial consultation: NIL

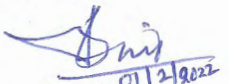
- Compliance of COS decisions: Nothing pending
- No. of cases of ‘Sanction for prosecution’ pending for more than 3 months: NIL
- Particulars of cases in which there has been a departure from the Transaction of Business Rules or established policy of the government: NIL
- Status of implementation of e-governance: PFMS, CPGRAMS, e-Publications of *Nelumbo*, procurement through GEM Portal and digital archives 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
1	1

- 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
01/2/2022

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



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List of Publications for January, 2022**Research Papers published : 27**

1. ARIGELA R.K., R.K. SINGH AND C.S. REDDY 2022. Lectotypification of some names in *Rivina* (Petiveriaceae) and a new synonym of *Rivina humilis* L. *National Academy Science Letters* 2022: 1-4, <https://doi.org/10.1007/s40009-021-01094-3>.
2. ARON SANTHOSH KUMAR, Y., AND M. PALANISAMY 2021. Investigation on the Occurrence of Genus *Ulva* from the Shoreline of Andhra Pradesh. *J. Indian Bot. Soc.* 101(4):332–340.
3. ARON SANTHOSH KUMAR, Y., AND M. PALANISAMY 2021. Monetary Potential and Bio-prospecting of Marine macroalgae from the Coastline of Andhra Pradesh, India. *Elixir Biosciences* 161: 55780–55796.
4. BANDYOPADHYAY, S., G. KRISHNA AND A. KUMAR 2021. Comments on the typification of two names in *Bauhinia*, now under *Phanera* (Leguminosae: Cercidoideae). *Thai Forest Bull., Bot.* 49(2): 245–246
5. CHAKRABARTY, T. AND SAMPATH KUMAR, V. 2022. *Terminalia travancorensis* (Combretaceae): neotypification and distribution. *Ann. Bot. Fennici* 59: 19–21.
6. CHAUDHARY, K.L., S.K. SINGH, A. BHATTACHARJEE AND M. MURUGESAN 2021. Re-collection and population studies of Threatened *Sonerila squarrosa* in India. *Indian Forester* 147 (12): 1226–1228.
7. GUPTA, PRATIBHA 2021. Diversity of Cyanoprokaryotes and Algae from *Brattnevet Peninsula* of Larsemann Hills, East Antarctica: First Report. *3rd International Conference on Environment and Society (ICES 2021)*.
8. J. SWAMY AND S. ARUMUGAM 2021. *Sporobolus tetragonus* (Poaceae: Chloridoideae): An Addition to the flora of South India. *Rheedea*. 31(4):296-299
9. JALANDER, V., J. SWAMY AND P.V. RAMANA 2021. The genus *Iphigenia* Kunth in Telangana, India. *Bioinfolet* 18 (4): 518-522.
10. LYNGWA, C., L. R. MEITEI AND C. DEORI 2021. *Calanthe davidii* Franch. (Orchidaceae)- an addition to the orchid flora of Meghalaya, India. *Pleione* 15(3):476-478.
11. MAHESH, Y., L. RASINGAM AND M. RAMANA 2021. *Salomonina cantoniensis* Lour. (Polygalaceae) - A new distributional record for South India. *Nelumbo*, 63(2): doi:10.20324/nelumbo/v63/2021/163937
12. MISHRA, A.K., A.H. IMTIYAZ, P.A. DHOLE AND V.V. WAGH 2021. Lectotypification of *Glycine aurea*, the basionym of *Rhynchosia aurea* (Fabaceae). *Phytotaxa* 528(1):062–064.
13. MURUGAN, P., BASIL PAUL AND SULAIMAN, M. 2021. Two additions to the Flora of Kerala, India. *Journal of Threatened Taxa* 13(14): 20288–20291.
14. MURUGAN, P., C. MURUGAN, AND K. KARTHIGEYAN 2021. Notes on the identity and taxonomy of *Ixora cuneifolia* and *I. notoniana* and typification of three names in *Ixora*. *Gardens' Bulletin Singapore* 73(2):481–487.

15. NAGARAJU SIDDABATHULA , RAVI KIRAN ARIGELA , A. A. KABEER AND SANGITA DEY 2021. On the occurrence of *Tripogonella minima* (Poaceae: Chloridoideae) in India. *Nelumbo* 63(2).
16. NAGARAJU SIDDABATHULA AND K. A. A. KABEER 2021. Notes on the pygmy form of *Mnesithea granularis* (Poaceae). *Nelumbo* 63(2).
17. PATHAK, A., R. DAS, D. VIJAYAN, N. ODYUO, DAVID L. BAITE AND A.A. MAO 2021. UHPLC analysis and *in vitro* biological activities of *Areca triandra* Roxb. ex Buch.-Ham.: a substitute of areca nut. *Research Journal of Biotechnology* 16(12): 109-118.
18. RAMANA, P.V., J. SWAMY AND V. JALANDER 2021. *Setaria barbata* (Lam.) Kunth (Poaceae): An addition to the flora of Andhra Pradesh. *Bioinfolet* 18 (4): 536-538.
19. RASHMI DUBEY 2021. *Elotespora mumbaiensis* sp. nov.: A novel species of Anamorphic Ascomycota reported from Peninsular India. *Phytotaxa* 529 (1): 177-180
20. RASINGAM, L. AND J. SWAMY 2021. Two new additions to the flora of South India from Manjeera Wildlife Sanctuary, Telangana. *Nelumbo*, 63(2): DOI: 10.20324/nelumbo/v63/2021/164268
21. SHERPA, N., S. K. KASAJU, S. SUBEDI AND R. GOGOI 2021. Notes on the recollection and typification of *Impatiens williamsii* H. Hara (Balsaminaceae) – A little known endemic species of Nepal. *Nelumbo* 63 (2). DOI: 10.20324/nelumbo/v63/2021/167712
22. SINGH, D. AND D.K. SINGH 2021. *Mesoptychia morrisoncola* (Jungermanniaceae, Marchantiophyta) – An addition to the Bryoflora of eastern Himalaya. *Indian J. Forest.* 44 (1): 38-42.
23. SWAMY, J. AND L. RASINGAM 2021. Two additions to the family Malvaceae for the Flora of Telangana, India. *Indian Journal of Forestry* 44(1): 29-32.
24. SWAMY, J. AND S. ARUMUGAM 2021. *Sporobolus tetragonus* (Poaceae: Chloridoideae): an addition to the flora of South India. *Rheedea* 31 (4): 296-299.
25. SWAMY, J., R. POOJA, T.J. MANE, S.S. SHAIKH, YASHVARDHAN AND L. RASINGAM 2021. Endemic Grass Species *Bothriochloa woodrovii* (Andropogoneae: Poaceae): Addition to the Flora of Eastern Ghats. *Indian Forester* 147(12): 1234-1235.
26. SWAMY, J., V. JALANDER AND P.V. RAMANA 2021. Two new distributional records of *Leptochloa* (Poaceae) in Telangana, India. *Bioinfolet* 18 (4): 449-451.
27. TIWARI, U.L. 2022. A new variety of *Impatiens jurpia* (Balsaminaceae) from Arunachal Pradesh, India. *Phytotaxa* 530(3):280-286.