



Annual Scientific Meeting

[3-4th April, 2021]



BOTANICAL SURVEY OF INDIA
Southern Regional Centre
Coimbatore



BOTANICAL SURVEY OF INDIA, SOUTHERN REGIONAL CENTRE, COIMBATORE

Annual Research Projects

Sl. No.	Name of the project/covered area with name of the executing official	DOI & DOC	Remarks
1.	Flora of India. Vol. 28 (Pontederiaceae– Juncaginaceae) Dr. M.U. Sharief, Sci. "E" & HoO (Team Leader)	2019-2020	Manuscript submitted
2.	Floristic Assessment of Megamalai Wildlife Sanctuary; Tamil Nadu. (269 sq.km.) Dr. C. Murugan; Scientist 'E' & Shri S. Arumugam Bot. Asst.	2016 - 2020	Manuscript will be submitted shortly.
3	Cyperaceae of Tamil Nadu (Dr. G.V.S. Murthy, Dr. C. Murugan, Dr. J.V.Sudhakar & Shri Arumugam).	2015- 2020	Manuscript will be submitted shortly.
4	Flora of India Vol. 11 (Cactaceae–Adoxaceae) Dr. C. Murugan, Sci. 'E', Dr. R. Manikandan, Sci.-'E', Dr. Sujana,K.A., Sci.'D' and Dr. M. Murugesan, Sci.-'C'	2019-2020	Manuscript will be submitted shortly.
5.	Flora of India, Vol. 21 (Verbenaceae–Lamiaceae) Dr. V. Sampath Kumar, Sci. 'E'	2019-2020	Manuscript will be submitted shortly.
6.	Marine Macro Algal Flora of India Dr. M. Palanisamy, Sci. 'E'	2019-2022	On-going
7.	Ex situ conservation of EET Plants of the region and recording of phenology of flowering/fruitleting of species in garden (Dr. S. Kaliamoorthy; Scientist E; Dr. M.Y. Kamble; Sci E*and Dr. T.S. Saravanan; Botanical Assistant; BSI; N.O.& E.G.; Yercaud) (*Transferred to WRC, Pune)	On-going project	On-going
8.	Assessment of Plant Diversity in Cauvery North Wildlife Sanctuary, Tamil Nadu, Dr. R. Manikandan, Sci. 'E' & Mrs. Mehala Devi, R. Bot. Asstt.	2017 - 2021	Manuscript will be submitted shortly.
9.	Flora of Kanyakumari Wildlife Sanctuary, Tamil Nadu. Dr. Sujana K.A., Scientist D & Shri. Rakesh G Vadhyar, Bot. Asst.	2016 - 2021	Manuscript will be submitted shortly.

10.	Flora of Kerala Vol. 3 (Caprifoliaceae–Menyanthaceae) Dr. C. Murugan, Sci. 'E' & under the supervision of Dr. M.U. Sharief, HoO)	2020 – 2022	On-going
11.	Flora of Kerala Vol. 4 (Hydrophyllaceae–Plantaginaceae) Dr. Sujana, K.A., Sci. 'D' & under the supervision of Dr. M.U. Sharief, HoO)	2020 – 2022	On-going
12.	Flora of Kerala, Vol. 6 (Orchidaceae–Potamogetonaceae) Dr. M. Murugesan, Sci. 'C' & under the supervision of Dr. M.U. Sharief, HoO)	2020 – 2022	On-going
13.	Flora of India Vol. 20 (Gesneriaceae–Acanthaceae) Dr. W. Arisdason, Sci. 'D' & (Late) Dr. P. Lakshminarsimhan, Sci. "E" (Retd.)	2020 – 2022	Manuscript submitted
14.	State Flora for West Bengal (Arecaceae) Dr. Saheed Shahul Hameed, Sci. 'E'* (*Transferred from AJCB Indian Bot. Garden, Howrah)	2017-2020	Manuscript submitted
15.	Revision of the lichen family Pyrenulaceae in India. Dr. T.A.M. Jagadeesh Ram, Sci. 'E'* (*Transferred from ANRC, Port Blair)	2017-2022	On-going

FUNDED PROJECT

Sl. No.	Name of the Project and name of the Executing Scientist(s)	DOI & DOC	Remarks
1.	Reinvestigation of Gulf of Mannar Biosphere Reserve, Tamil Nadu (Funded by Gulf of Mannar Biosphere Reserve Trust, Tamil Nadu State Forest Department) Dr. C. Murugan, Sci. 'E' (PI)/ Dr. R. Manikandan, Sci. 'E' (CoPI) & Ms. Nithya, JPF	2018-2021	Project completed and report submitted
2.	Study of Diversity of Marine Macro Algae of Andhra Pradesh (Funded by MoEF & CC) Dr. M. Palanisamy, Sci. E & Mr. Aron Santhosh Kr., Junior Project Fellow	2019- Dec.2021	On-going
3.	Lead Garden at NO&EG, Yercaud (Funded by MoEF & CC) Dr. S. Kaliasmoorthy, Sci. 'E' (PI)	2015 -onwards	On-going
AJCB PDF (Project)			
4.	Survey, Documentation, Current Distribution, Diversity Status, Conservation Priorities and GIS Mapping of Narrow Endemic Plants in Nilgiri Biosphere Reserve, the Western Ghats, Dr. C. Murugan, Sci. 'E' (Mentor)/ Dr. V. Ravichandran (PDF)	2017-2020	Project completed and report submitted

SIGNIFICANT ACHIEVEMENTS

- ❖ **Botanical Explorations:** As per the Annual Action Plan, 3 botanical explorations and 1 herbarium consultation tour are conducted. Due to paucity of budget and Covid-19, several surveys are not undertaken.
- ❖ **Publication: Published:** 50 research articles in National and International Journals and 2 books chapters and 1 book; **Accepted for publication: 11** research articles in National and International Journals and **Communicated: 12** research articles to National and International journals.
- ❖ **New to Science:** Described 11 species viz., 1. *Goniothalamus sericeus* Sujana & Vadhyar- Annonaceae; 2. *Dipcadi coimbatorensis* V. Ravichandran, R. Kr. Singh & C. Murugan- Asparagaceae; 3. *Eugenia sphaerocarpa* Vadhyar, Sujana, J. H. F. Benj. & Murthy- Myrtaceae; 4. *Memecylon nervosum* Vadhyar, J.H.F.Benj. & Sujana- Melastomataceae; 5. *Pedicularis raghvendrae* Garg, A., Singh, R.K. & Kholia, B.S.- Pediculariaceae; 6. *Boeica arunachalensis* D. Borah, R. Kr. Singh, M. Taram & A.P. Das- Gesneriaceae; 7. *Hiptage laxiflora* Sujana & Vadhyar- Malphigiaceae; 8. *Capparis daniellii* Murugan et al- Capparaceae; 9. *Eugenia bolampattiana* Ravichandran et al. – Myrtaceae, 10. *Argyreia lakshminarasimhanii* Shalini et al- Convolvulaceae, 11. *Ceropegia ansariana* Murugesan, M and A.A. Mao- Apocynaceae new to science.
- ❖ **Distributional Records:** Recorded and reported 10 plant species as distributional record for Tamil Nadu, Kerala and other states.
- ❖ **Rediscovery** after 50 years: Total 3 species- One species from Arunachal Pradesh and two from Nilgiri Biosphere Reserve

EVENTS OR MEETINGS CONDUCTED OR ORGANIZED

- During this year 14 important events are conducted or organized.
- The International day for Biodiversity was celebrated at SRC, BSI, Coimbatore on 22nd May 2020 on a theme, “Our solutions are there in nature”. On this occasion, Dr. K. Sasikala, Asst. Prof., Mahatma Gandhi Government Arts & Science College, Mahe delivered a lecture on “Sacred Groves and Biodiversity Conservation – A case study from Mahe (UT of Puducherry)” along with the scientific officials and research students of SRC, BSI, CBE.
- Observed 74th Independence Day and delivered message to the scientists and staff
- Organized the Hindi Day at BSI, SRC, Coimbatore on 14.09.2020 along with the Chief Guest – Shri. Kavettirangan, Secretary, TOLIC, Coimbatore.
- Organized OZONE DAY on 16.09.2020 and Tree Planting Program at NOEG, Yercaud.
- Organized 65th Foundation day and delivered welcome address on 09-10-2020 and delivered a talk on Conservation of Plants with the aid of Tissue Culture.
- Organized and participated Swacch Bharath on 09.10.2020 by BSI, SRC, Staff and cleaning of office garden by removed weeds, pruning of trees, etc.
- Convened the Doctoral Committee Meeting of three Research Scholars (i) Ms. Vianny Animica F, (2) Shri. Aron Santhosh Kumar, Y, & (iii) Shri. Vivek S. on 03.07.2020.
- Convened the Doctoral Committee Meeting of three Research Scholars (i) Shri. Basil Paul, (ii) Shri. P. Murugan and (iii) Shri. M. Sulaiman on 17.07.2020.
- On the Birth day of Dr. E K Janaki Ammal, the portrait was unveiled in a function at Conference Hall of SRC, BSI on 04-11-2020
- Organized the Unveiling of J.S. Gamble Portrait on 01.01.2021 at Conference Hall of BSI, SRC, Coimbatore.
- Organized the Republic Day Celebration by hoisting National Flag on 26.01.2021.

BSI, SRC, EVENTS 2020-2021





World Ozone Day 2020 at NO &EG, Yercaud



WEBINARS ORGANIZED

- ❑ Organized webinar entitled “Green Walk-1. Plant Resources as Aid for Prevention of Covid-19” on 27-01-2021. Resource Person Dr. S. Ignachimuthu, Director, Xavier Research Foundation, Tirunelveli, Tamil Nadu *“Potential importance and Conservation need under Climate Change Scenario”*
- ❑ Organized webinar entitled “Green Walk-2. Wetland Ecology: on 02-02-2021. Resource person: Dr. N. Parthasarathy, Pondicherry University, Puducherry.
- ❑ Organized webinar entitled “Green Walk-3. Plant Taxonomy and Floristics in the Anthropocene Epoch” on 19-02-2021. Resource Person: Dr. Syd Ramdhani, University of Kwazulu Natal, Durban, South Africa.
- ❑ Organized webinar entitled “Green Walk-4. Management of water resources with emphasis on Mangrove ecosystem” on 22-03-2021. Resource Person: Dr. Deiva Oswin Stanley, Founder & director, Ecob;lance Consultancy , Vadodara, Gujarat.

LECTURES DELIVERED IN WEBINARS

- ❑ Dr. M. U. Sharief, delivered a talk on '*Conservation of Biodiversity- A BSI perspective*', Organized by NMNH, New Delhi on 06-11-2020
- ❑ Dr M.U. Sharief delivered a talk on '*Conservation of Biodiversity with special reference to Microbes*' in Virtual Refresher Course organized by Department of Microbiology, Univ. of Bengaluru on 21-12-2020.
- ❑ Dr M.U. Sharief **chaired the Session** in the National Webinar "Biosphere Reserves in India- Identification, Conservation and Management" organized by Govt. M.S. Golwakar College, Rewa on 17.03.2021
- ❑ Dr M.U. Sharief delivered a talk "*Floral and Cultural Diversity of A & N Islands*" in the National Webinar on "Biosphere Reserves in India- Identification, Conservation and Management" organized by Govt. M.S. Golwakar College, Rewa on 18.03.2021.
- ❑ Dr. C. Murugan delivered a talk on '*Flora and its Management of Niligiri Biosphere Reserve*' organized by Govt. M.S. Golwakar College Rewa, Madhya Pradesh on 16.03.2021.
- ❑ Dr M. Palanisamy delivered lecture in a Webinar on '*Bioresources of Antartica*' on 16.12.2020, organised by Mahatma Gandhi Government Arts college, Mahe.
- ❑ Dr. R. Manikandan delivered lecture on '*Angiospermic Diversity of Gulf of Mannar Biosphere Reserve, Tamil Nadu*' through webinar under theme of Biosphere Reserves of India – Identification, Conservation and Management from 15.03.2021 to 19.03.2021 organized by Govt. M.S. Golwakar College Rewa, Madhya Pradesh on 16.03.2021.
- ❑ Dr. K.A. Sujana delivered lecture on '*Untangling the taxonomic and identification snags in lianas*' during the international symposium on Taxonomy on 5th November as part of 'International Symposium on Recent Approaches in Plant Taxonomy and Ethnobotany' organized by Sanatana Dharma College, Alappuzha, Kerala on 4th & 5th November 2020
- ❑ Dr. K.A. Sujana delivered lecture on '*Genesis of ethnobotany in India and a case study from Malkangiri*' on 6th November 2020 during International webinar on E K Janaki Ammal, organized by Centre for Intangible Heritage Studies, Sree Sankaracharya University of Sanskrit, Kalady, Kerala on 4-6 November 2020.

PARTICIPATION IN WEBINARS AND OTHER MEETINGS

- Attended International Webinar on “*Flower-pollinator interactions: Chemistry and fly pollination in Ceropogia*” Resource Person: Dr. Annemarie Heiduk, University of Kwazulu-Natal, Pietermaritzburg, South Africa. organized by Green Army, Department of Life Sciences, Christ (Deemed to be University), Bangalore on 26/09/2020.
- Attended One Day National Webinar on the Occasion of International Habitat Day “*Plant Diversity of Cold Desert of Western Himalaya and its Conservation Strategies*” Resource Person: Dr. Sunil Srivastava, Botanical Survey of India, NRC, Dehradun on 05/10/2020.
- Attended Ph.D. Viva Voce of Mr. Ravi Kiran Arigela, Botanical Asst., BSI, under the guidance of Dr. G.V.S. Murthy entitled: “*Studies on Endemic and Threatened Flora of Kodaikanal Wildlife Sanctuary, Tamil Nadu, India*” on 12.11.2020.
- Attended National Webinar on Dr. E.K. Janaki Ammal Memorial Lecture Series on “*Plant Taxonomy and Ethnobotany in India - Future and Challenges*”, organized by National Museum of Natural History (NMNH), New Delhi, and Trans-Disciplinary Univ., Bengaluru 4-6th Nov., 2020.
- Attended Webinar on “*Micro-propagation of Threatened Plant Species and Conservation in India*” delivered by Dr. A.A. Mao, Director, BSI, Kolkata on 30.10.2020. The Webinar was arranged by High Altitude Western Himalayan Regional Centre (HAWHRC), BSI, Solan.
- Attended Dr. S. Kedharnath Memorial Lecture (KML-2020) on the topic ‘*Floristic Diversity in India: An Overview*’ delivered by Dr. M. Sanjappa, Former Director, BSI; CSIR Emeritus Scientist & INSA Senior Scientist, Mahatma Gandhi Botanical Garden, University of Agricultural Sciences, GKVK, Bengaluru on 18.12.2020 (FN) through online platform. The Memorial Lecture is being organized every year since 2013 by Institute of Forest Genetics and Tree Breeding, Coimbatore.
- Attended Webinar Lecture on ‘*Plant Nomenclature*’ Organized by Deccan Regional Centre, Hyderabad on 06.01.2021.

SIGNIFICANT FINDINGS

New Species/New Variety

<i>Dipcadi coimbatorensis</i> V. Ravichandran, R. Kr. Singh & C. Murugan	Asparagaceae	V. Ravichandran, Rajeev Kumar. Singh & C. Murugan
<i>Eugenia sphaerocarpa</i> Vadhyar, Sujana, J. H. F. Benj. & Murthy	Myrtaceae	Rakesh G Vadhyar, Sujana K.A., J. H. Franklin Benjamin, & GVS Murthy
<i>Memecylon nervosum</i> Vadhyar, J.H.F.Benj. & Sujana	Myrtaceae	J. H. Franklin Benjamin & Sujana K.A
<i>Pedicularis raghvendrae</i> Garg, A., Singh, R.K. & Kholia, B.S.	Orobanchaceae	Garg, A., Singh, R.K. & Kholia, B.S.
<i>Boeica arunachalensis</i> D. Borah, R. Kr. Singh, M. Taram & A.P. Das	Gesneriaceae	Borah, D., Singh, R.K., Taram, M. & Das, A.P.
<i>Hiptage laxiflora</i> Sujana & Vadhyar	Malpighiaceae	Sujana K. A. & R.G. Vadhyar
<i>Capparis daniellii</i> Murugan et al	Capparaceae	C. Murugan, R. Manikandan, S.P. Nithya, B. Karthik & W. Arisdason
<i>Eugenia bolampattiana</i> Ravichandran et al	Myrtaceae	V. Ravichandran, M. Murugesan & C. Murugan
<i>Argyreia lakshminarasimhanii</i> Shalini et al	Convolvulaceae	Shalini, Sujana, Arisdason & D. Maity
<i>Ceropegia ansariana</i> Murugesan, M and A.A. Mao	Apocynaceae: Ceropegieae	Murugesan, M and A.A. Mao
<i>Goniothalamus sericeus</i> Sujana & Vadhyar	Annonaceae	Sujana, K. A. & R. G. Vadhyar

NEW FINDINGS

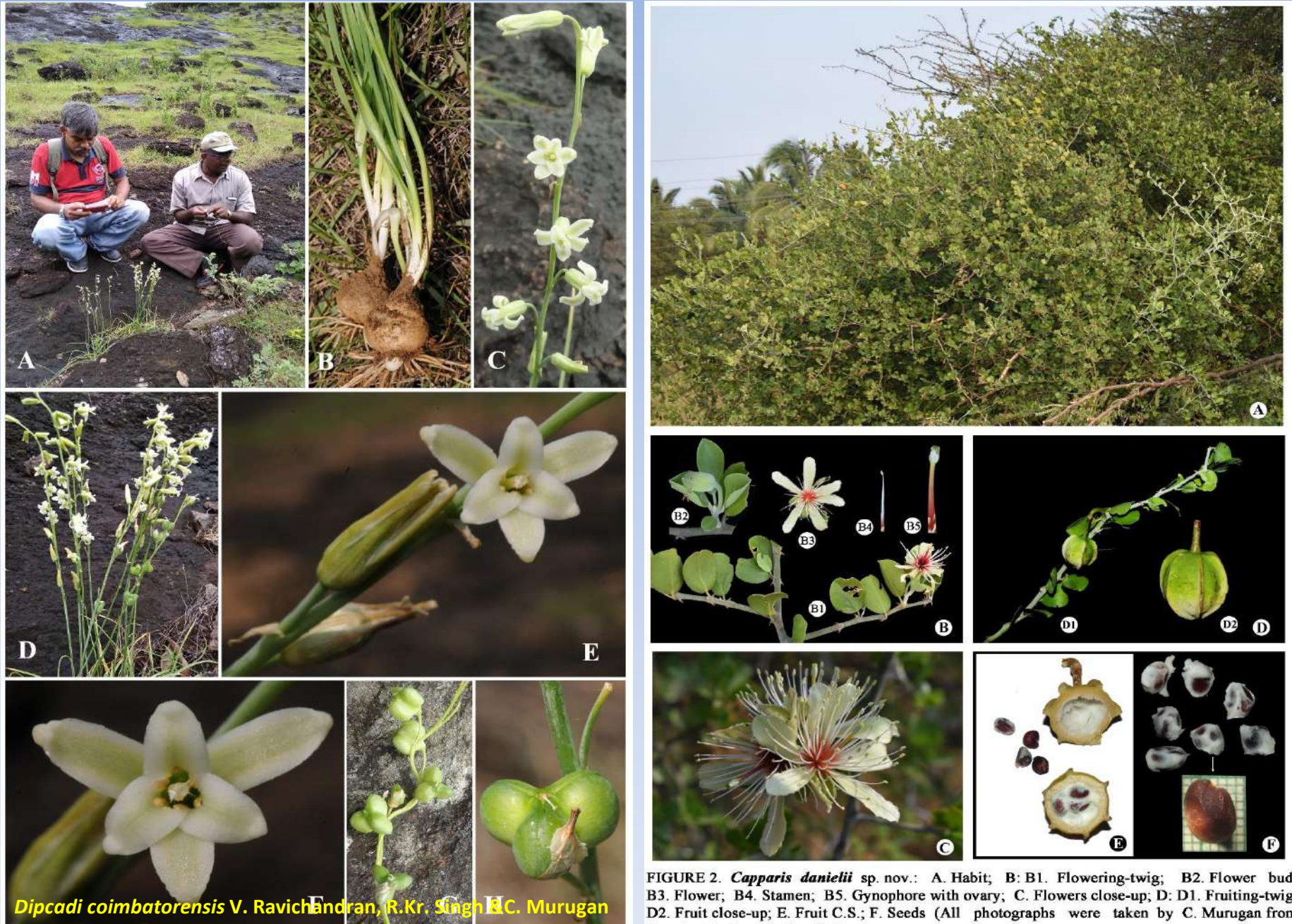
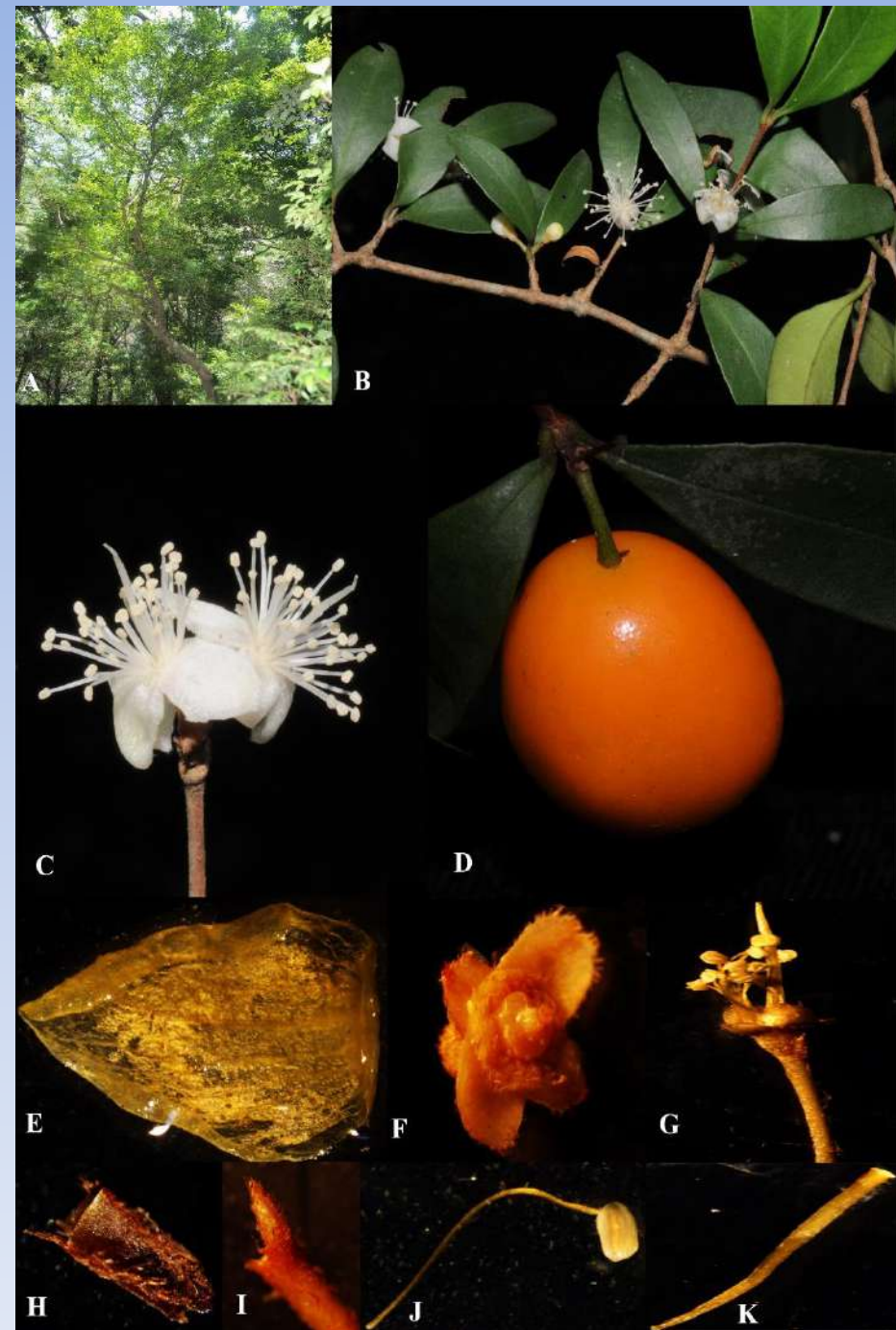


FIGURE 2. *Capparis danielii* sp. nov.: A. Habit; B: B1. Flowering-twig; B2. Flower bud; B3. Flower; B4. Stamen; B5. Gynophore with ovary; C. Flowers close-up; D: D1. Fruiting-twig; D2. Fruit close-up; E. Fruit C.S.; F. Seeds (All photographs were taken by C. Murugan from live plant in the type locality).

Dipcadi coimbatorensis V. Ravichandran, R.Kr. Singh & C. Murugan



Eugenia bolampattiana Ravichandran et al



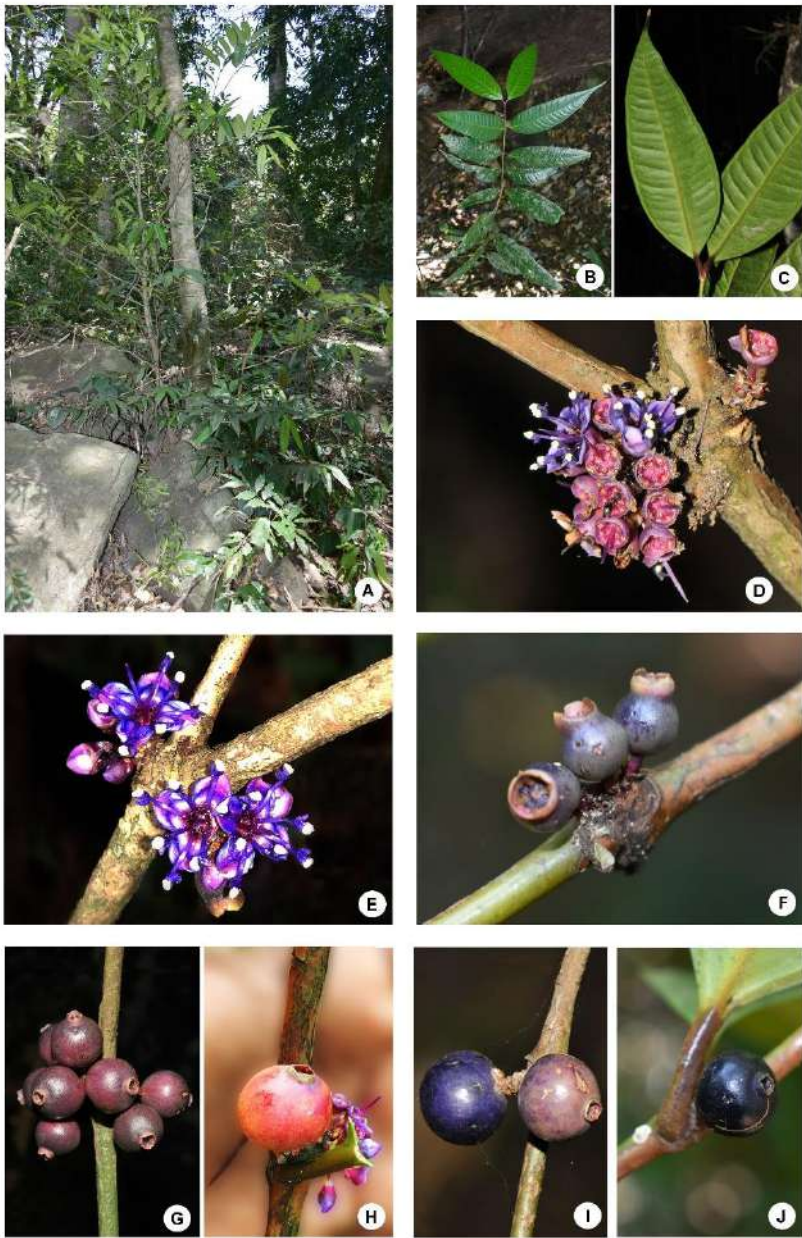
Argyreia lakshminarasimhanii S. Shalini, Sujana, Arisdason & D. Maity



Goniothalamus sericeus Sujana & Vadhyar



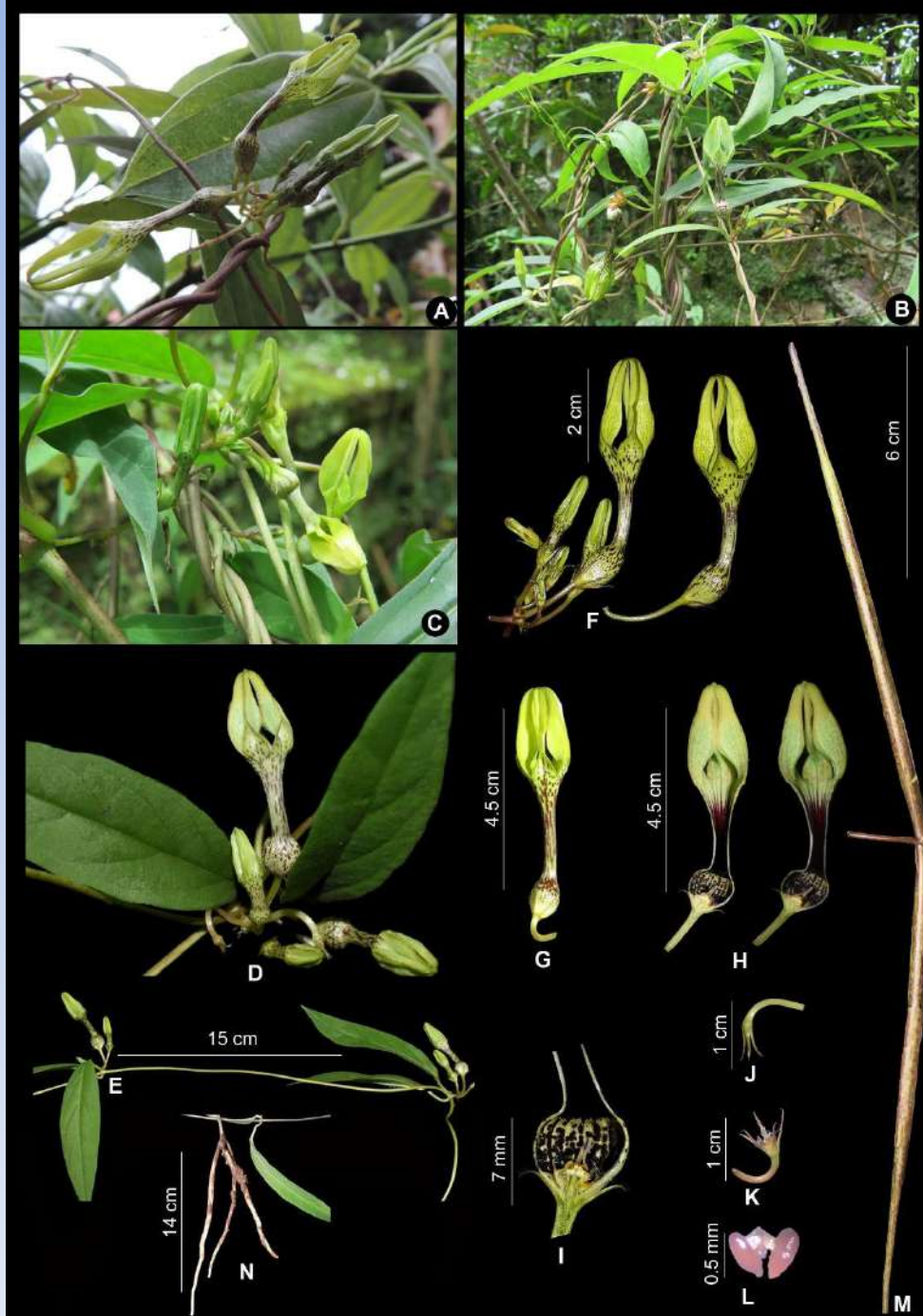
Hiptage laxiflora Sujana & Vadhyar



Memecylon nervosum Vadhyar, J.H.F.
Benj. & Sujana



Eugenia sphaerocarpa Vadhyar, Sujana, J. H. F.
Benj. & Murthy



Ceropogia ansariana Murugesan & A. A. Mao

REDISCOVERIES AFTER A CENTURY



Bunium nothum (C.B. Clarke) P. K. Mukh.



Youngia niligiriensis Babc.

New Record(s) for State

<i>Meistera fulviceps</i> (Thwaites) Skornick. & M.F. Newman	Zingiberaceae	Tamil Nadu	Sujana K.A. & R.G. Vadhyar
<i>Tarenna flava</i> Alston	Rubiaceae	Kerala	Murugan, P., M. Sulaiman & Basil Paul
<i>Polyalthia longipedicellata</i> (Alister et al.) Shailajakumari et al	Annonaceae	Tamil Nadu	Sujana K.A. & R.G. Vadhyar
<i>Meistera newmanii</i> (M. Sabu & V.P. Thomas) Skornick. & M.F. Newman	Zingiberaceae	Tamil Nadu	Sujana K.A. & R.G. Vadhyar
<i>Ipomoea parasitica</i> (Kunth) G. Don	Convolvulaceae	Telangana	Ravi Kiran A, L. Paramesh and R.K. Singh
<i>Convolvulus parasiticus</i> Kunth	Convolvulaceae	Telangana	Arigela, R.K., Paramesh, L. & Singh, R.K.
<i>Pedicularis longiflora</i> var. <i>tubiformis</i> (Klotzsch) P.C. Tsoong <i>P. megalantha</i> D. Don; <i>P.</i> <i>pantlingii</i> Prain; <i>P. trichoglossa</i> Hook. f.	Orobanchaceae	Arunachal Pradesh	Borah, D., Singh, R.K., & Garg, A.

New Names : 6

Atropa indobelladonna Karthik. V.S. Kumar, *Marsdenia hookerii* Karthik. V.S. Kumar, *Marsdenia wallichii* Karthik. V.S. Kumar, *Marsdenia wightii* Karthik. V.S. Kumar, *Ornithogalum indoserotinum* Karthik. V.S. Kumar, and *Ziziphus rugosa* var. *indoglabrescens* Karthik. V.S. Kumar

Sampath Kumar, V. and Karthikeyan, S.
Phytotaxa 475(4): 296–298.
2020

Species collected after 50 years or more: 3

<i>Pedicularis denudata</i> Hook.f.	Orobanchaceae	Arunachal Pradesh	Borah, D., Singh, R.K. & Garg, A.
<i>Bunium nothum</i> (C.B. Clarke) P. K. Mukh.	Apiaceae	Tamil Nadu	Murugesan et al.
<i>Youngia niligiriensis</i> Babc.	Asteraceae	Tamil Nadu	Karthik et al.

•New Record(s) for India: 1

Circle/Section	Name of the species with author citation of which new record has been made	Family	Name of the Official(s) who identified species as new record
SRC, Cbe	<i>Neopicrorhiza minima</i> R.R. Mill	Plantaginaceae	Borah, D. & Singh, R.K.

PUBLIC SERVICE RENDERED

Total Revenue received for providing information/ identification service/ photocopy, etc. (2020-21)

₹ 80,141.00

PUBLICATION

Circle/Unit/Local Office	No. of papers and Abstract published		No. of papers and Abstracts accepted/communicated				Number of books and Book chapters published		Number of books published			
	Indian Journal	Foreign Journal	Indian Journal	Foreign Journal	Hindi	English	Regional Language	English	Regional Language	Hindi		
BSI, SRC	18	32	03	06	07	07	03	02	--	01	--	--

PUBLISHED

Sharief M.U. & S.P. Panda. 2020. Folklore artefacts of aboriginal Shompen tribe in great Nicobar Island, India. Genetic Resources and Crop Evolution. DOI 10.1007/s10722-020-01027-x.

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Sujana K.A. & R. G Vadhyar. *Meistera fulviceps* (Thwaites) Skornick. & M.F. Newman (Zingiberaceae): A New Distributional Record to Tamil Nadu, Plant Asia Zoo's Print, 15-17.

Sampath Kumar, V and Karthikeyan, S. 2020. New names for few Indian flowering plants. *Phytotaxa* 475(4): 296–298.

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Borah, D., Singh, R.K., Mipun, P. & Narah, D. (2020). Rediscovery of *Pseudobartsia glandulosa* (Orobanchaceae), a little known, critically endangered herb after 179 years from India, and first report from Eastern Himalayan state Arunachal Pradesh. Phytotaxa 451(1): 097–102.

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Sujana K. A. & R. G. Vadhyar (2020). *Polyalthia longipedicellata* (Annonaceae): An addition to the flora of Tamil Nadu, Indian Forester, 146 (8):778-779.

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एम. आनंद लक्ष्मी, अरुमुगम, एस., मेहला देवी, आर., नित्या, एस.पी. कोयम्बतूर जिले और उसके आसपास में भोजन और दवा के लिए इस्तेमाल होने वाले आम जंगली पौधे. वनस्पति वाणी. भारतीय वनस्पति सर्वेक्षण.

एम. आनंद लक्ष्मी, डॉ. डब्ल्यू अरिसदासन तथा सार्थक सक्सेना. वर्णनात्मक विकास में यूकेलिप्टस क्लोन के विशिष्ट, एकरूप और स्थिर परीक्षण में छवि विश्लेषक (इमेज एनालाइजर) पर नोट्स . वनस्पति वाणी. भारतीय वनस्पति सर्वेक्षण.

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राजाभाषा (हिंदी) से संबंधित मुख्य गतिविधियाँ MAJOR ACTIVITIES RELATED TO RAJ BHASHA (HINDI)

- ❖ भारतीय वनस्पति सर्वेक्षण, दक्षिणी क्षेत्रीय केन्द्र, कोयंबतूर राजाभाषा (हिंदी) कार्यान्वयन समिति की चार त्रैमासिक बैठकें आयोजित किया एवं रिपोर्ट प्रस्तुत की गई।
- ❖ Hindi Implementation Committee meeting of SRC, BSI, Coimbatore conducted 4 quarterly meetings and report submitted.
- ❖ हिंदी पखवाड़ा (1-15 सितंबर 2020) मनाया गया और रिपोर्ट प्रस्तुत की गई।
- ❖ Hindi fortnight (1-15 September 2020) observed and report submitted.
- ❖ दो छमाही रिपोर्ट तैयार किया और राजाभाषा (हिंदी) कार्यान्वयन समिति, कोयंबतूर को प्रस्तुत की गई।
- ❖ Two half yearly reports prepared and submitted to Town Official Language Implementation Committee, Coimbatore
- ❖ हिंदी पर जागरूकता पैदा करने के लिए सूचना पट्ट में कुल 186 शब्दों त्रिभाषी में और बीएसआई, एसआरसी, कोयंबतूर पुस्तकालय उपयोगकर्ताओं के ई-मेल समूह के बीच समान शब्दों को परिचालित की गई।
- ❖ A total of 186 words in trilingual displayed in Notice Board for generating awareness on Hindi and the same words are circulating among E-mail group of BSI, SRC, Coimbatore library users.
- ❖ 18.03.2021 को केंद्रीय वनस्पति प्रयोगशाला, हावड़ा द्वारा आयोजित आभासी मंच का उपयोग करके सभी अधिकारी और कर्मचारी हिंदी कार्यशाला में शामिल हुए।
- ❖ All officers and staff attended Hindi Workshop using virtual platform organised by Central Botanical Laboratory, Howrah on 18.03.2021.
- ❖ हिंदी में चार लेख जर्नल 'वनस्पतिवाणी' को प्रस्तुत किए गए।
- ❖ Four articles in Hindi submitted to the Journal 'Vanaspativani'
- ❖ फील्ड बुक के पहले पन्ने द्विभाषी (हिंदी और अंग्रेजी) में मुद्रित किया गया है
- ❖ Front page of Field Books were printed in bilingual (Hindi and English)

MAINTENANCE OF HERBARIUM, INCORPORATION, LOAN, EXCHANGE OF SPECIMENS, ETC.

Herbarium	1		2		3		4		5		6		7		8		9		10		11	
BSI (SRC)	2756	3696	800	1612	79	93	132	677	62	288	613	1212	1405	1286	16							

12		13		14		15		16		17		18		19		20		21		22		23	
28	10	--	02	--	276	05	565	--	20	673	510	--	*										

1. No. of Specimens mounted/labeling
2. No. of Specimens remounted
3. Stitching/ restitching
4. Changing genus/species cover
5. No. of Specimens incorporated/
Reincorporated
6. No. of Specimens sent on exchange/loan
7. No. of Specimens received back from loan
8. Type photographs received from Kew
9. Received as gifts
10. No. of Specimens poisoned/fumigated/
re-poisoned
11. No. of Species identified

12. Herbarium sheets accessioned
13. Addition of species cover
14. Type specimens/Images received
15. No. of specimens received on loan
16. No. of loan specimens returned
17. No. of Cibachrome /Digital Images
received or Collected
18. Dusting herbarium/duplicate specimens
19. Seaweed specimens: Changed
20. Mounted
21. Cleaned
22. Specimens segregated.



Thank You