

Nagaraju Siddabathula Botanical Assistant

Served in CBL from 18.03.2013 to 15.03.2015

Redeployed at BSI, DRC Hyderabad from 16.03.2015



Annual Action Plan...

Accompanied the following tours

SI. No.	AAP Year	Name of the Project	No. of Field Tours	Collected Field Nos.	Remark
		Ethnobotanical study of Odisha, Phase-II (Jajpur District, ca. 2885 sq. km)	01	195	
01	2013-14	Ethnobotanical study of Odisha, Phase-II (Ganjam District, ca. 8033 sq. km)	01	176	
		Ethnobotanical study of Odisha, Phase-II (Ganjam District, ca. 8033 sq. km)	01	181	
02	2014-15	Flora and Ethnobotany of Balasore District, Odisha (ca. 3706 sq. km)	01	393	



Annual Action Plan...

Accompanied the following tours

SI. No.	AAP Year	Name of the Project	No. of Field Tours	Collected Field Nos.	Herbarium Consult- ation tours	Remark
		Flora of Seshachalam Biosphere Reserve, Andhra Pradesh (ca 4755.99 sq. km)	03	211		Deployed on 16.03.15
03	2015-16	Flora of Nagarjunasagar Srisailam Tiger Reserve, Andhra Pradesh (ca. 3568 sq. km)	03	186		
02	2 2016-17	Flora of Seshachalam Biosphere Reserve, Andhra Pradesh (ca 4755.99 sq. km)	Nil		02	Field tours completed As per AAP
		Sacred Groves of Andhra Pradesh & Conservation Assessment	5	300		



Flora of Seshachalam Biosphere Reserve Andhra Pradesh

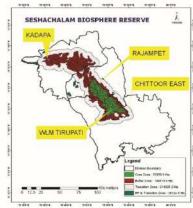


Dr. P. V. Prasanna, Scientist F Dr. M. Sankara Rao, Scientist B & Mr. Nagaraju Siddabathula, Bot. Asst.

Designation Date	•
Total Area	:
Core Area	:
Buffer Area	:
Transition Area	:
Extent	•

20 Sept., 2011 4,755.997 km² 750.589 km² 1, 865.156 km²





Within 5 kms radius of outer boundary of buffer boundary of buffer(Approx 2, 140 km²) 13°38' and 13°55' N and 79°07' 79°24' E



Significance of Study Area

- 1. The Seshachalam Hill ranges of Eastern Ghats in Southern Andhra Pradesh
- 2. The only Biosphere Reserve in the Andhra Pradesh
- 3. Harboring many RET species viz., Cycas beddomei, Pterocarpus santalinus, Terminalia pallida, Syzygium alternifolium, Pimpinella tirupathiensis etc..



About SBR.....



Project tenure	:	2012 – 2017
Field tours	:	14
Field numbers collected	•	1362
Field numbers identified	•	971
Documented	•	251
Herbarium tours	•	04



Format of the Flora

Catunaregam spinosa (Thunb.) Tirveng. in Bull. Mus. Natl. Hist. Nat. ser. 3. Bot. 35: 13. 1978. Gardenia spinosa Thunb.; Gardenia latifolia Hook.f; Randia brandisii Gamble; Randia dumetorum Lam. 'Manga'.

Spinescent large shrub or small trees; spines stout, axillary. Leaves spoon shaped or obovate, tapering at base into petiole, sparsely hairy above and densely stiff hairy on nerves of lower surface. Flowers white, turns pale yellow, solitary or 2-3, terminal; corolla tube soft hairy. Fruits (Berries) globose, sparsely ciliate, faintly ribbed, crowned with hairy calyx lobes.

Fls. & Frts.: April-July.

Distribution & specimens examined: Common in forests. Chamala forest beat, on way to Talakona from Tirumala hills at 927 msl. N 130 431 38.511. E 790 191 0.3811. PVP & MSR 2810, 3050 (BSID).

Etymology: Catunaregam: Resembling citrus fruit; spinosa: Sharply pointed stiff structure

Key feature: Spiny tree; densely hairy on the axils of the veins; fruits crowned by calyx lobes.

Note: This is highly variable species with orbicular-obovate or oblong leaves. Fruits are larger and crowned by leafy calyx lobes.





Achievements / Outcomes of the project

New species	:	05
New Record	:	01

- **1. Brachystelma annamacharyae** K. Prasad, Prasanna, Meve, Sankara Rao & T. Thulasaiah
- 2. Tripogon tirumalae Alok Chorghe, L Rasingam, P.V. Prasanna & M Sankara Rao.
- 3. Euphorbia seshachalamensis Prasad. K. & Prasanna. P. V.
- 4. Glochidion tirupathiense L. Rasingam, Alok R. Chorghe, P.V. Prasanna & M. Sankara Rao.
- 5. Glochidion talakonense Sankara Rao, M., Swamy, J., Nagaraju, S., Padal, S.B., Tarakeswara Naidu, M., Chandramohan, K. and Thulasaiah T.

&

1. Glochidion zeylanicum var. arborescens (Phyllanthaceae): a new distributional record for South India



HERBARIUM PROCESSING AND MANAGEMENT

Processing of Herbarium: 945 Preparation of labels: 400 Arrangement of herbarium vouchers: 2000

ADMINISTRATIVE WORKS

Store In -charge Purchase committee member



Preparation of DBM by using MS Excel

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5	COLL.NO :	32363					
6	VERN. NAME :	Dudhn	nal				
7	BOT.NAME :	Tylophora asthmatica (L. f.) Wight & Arn.					
8	FAMILY :	Apocyn	nac	eae			
9	HABIT,HABITAT & DISTR. : Climber						AT A
10	NOTES :	0					
11	LOCALITY:	Jeypor	e, P	hulla	DISTRI	CT : I	Coraput
12	TRIBAL GROUP: Paroja						
13							
14	ETHNOBOTANICAL USES:						
15	Stem used as tying purpose. Leaf shade driying making powder and taken twice a day in honey for 41 days to treate asthma.						
16	treate astrima.						
17							
18	COLLECTED BY	Sujana Pande			lishra,	Dhole	PA &
19	IDENTIFIED BY :	Sujana	K.	4			

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Training programmes

Name of the Workshop or Seminar/Training Program	Venue
National Seminar-cum Workshop on Modern Techniques in Ethnobotanical Research	Jiwaji University Gwalior (MP)
National Workshop on Application of Remote Sensing and GIS in Forest Resource Assessment	Forest Research Institute, Dehradun (UK)
National workshop on "Grass Systematics"	Shivaji University, Kolhapur (MH)

Publications

Papers : 06

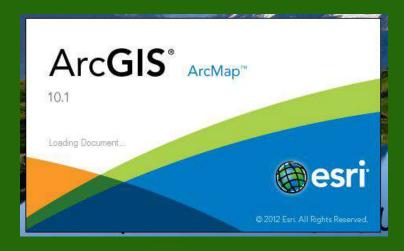
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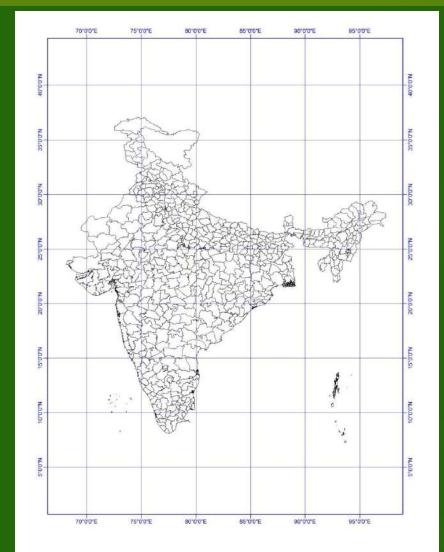


Requirements

WORK STATION

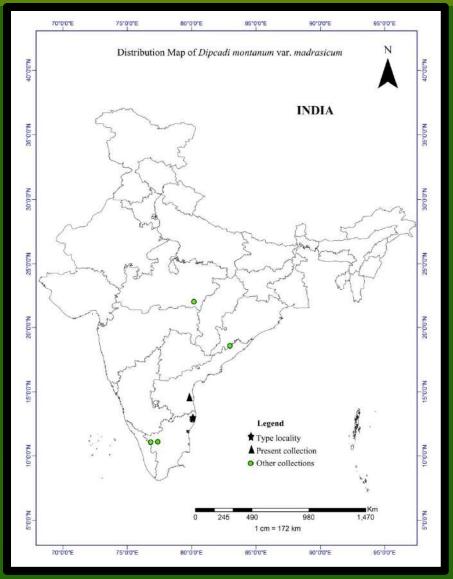


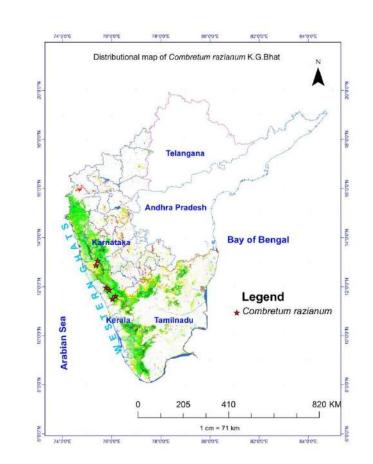
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Out put of GIS







Illustrations



ई. के. जानकी अम्माल Edavaleth Kakkat Janaki Ammal (1897-1984)

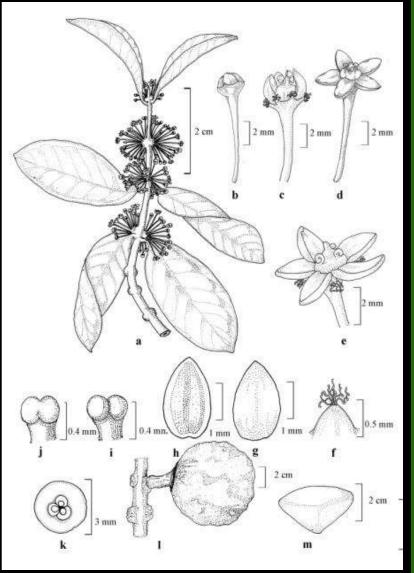
संस्थापक निदेशक, केंद्रीय वानस्पतिक प्रयोगशाला (1954) Founder Director, Central Botanical Laboratory (1954) The Government of India conferred Padma Sri in 1957

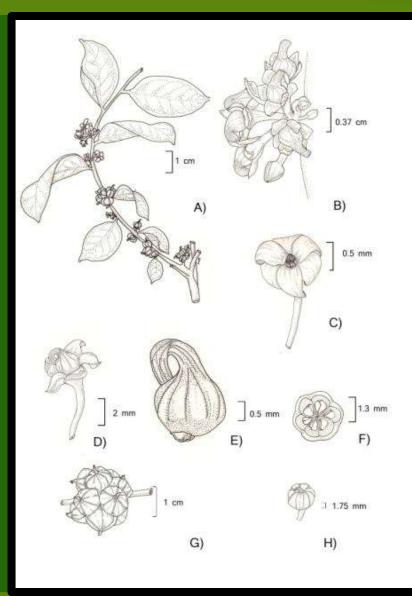
[Society of Ethnobotanists (SEB) instituted the E. K. Janaki Ammal Medal at international level in 1992

8 The Ministry of Environment & Forests, Governet of India Instituted the E. K. Janaki Ammai National Award for Taxonomy in 1999]



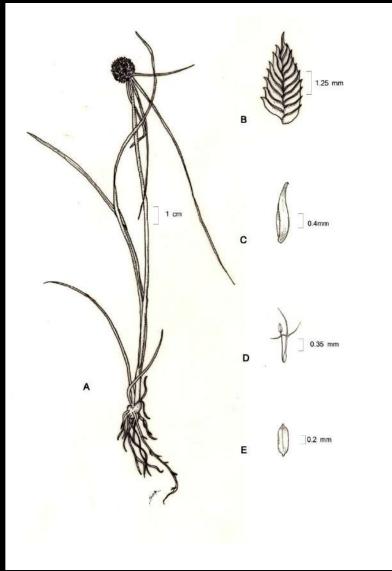
Illustrations

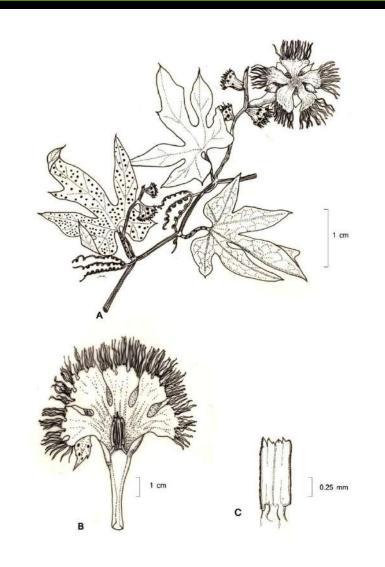






Illustrations







Future Plan of Research

- The project is nearing completion, since two officials were transferred ; I am only the person to look after and complete the identification and documentation. Hence, I need one more year to bring out the Flora of SBR.
- 2. Proposed studies on Grasses of Telangana State during 2017-2020.

THANK YOU