



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

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



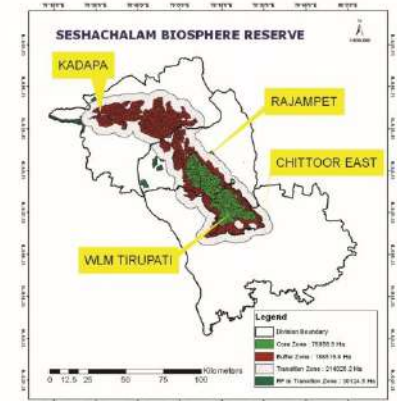
Annual Action Plan...

Accompanied the following tours

Sl. No.	AAP Year	Name of the Project	No. of Field Tours	Collected Field Nos.	Herbarium Consultation tours	Remark
03	2015-16	Flora of Seshachalam Biosphere Reserve, Andhra Pradesh (ca 4755.99 sq. km)	03	211	--	Deployed on 16.03.15
		Flora of Nagarjunasagar Srisaïlam Tiger Reserve, Andhra Pradesh (ca. 3568 sq. km)	03	186	--	
02	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	:	20 Sept., 2011
Total Area	:	4,755.997 km ²
Core Area	:	750.589 km ²
Buffer Area	:	1, 865.156 km ²
Transition Area	:	Within 5 kms radius of outer boundary of buffer boundary of buffer(Approx 2, 140 km ²)
Extent	:	13 ⁰ 38' and 13 ⁰ 55' N and 79 ⁰ 07' 79 ⁰ 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

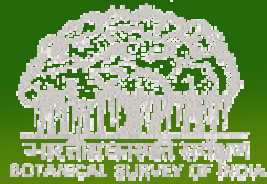
Preparation of labels: 400

Arrangement of herbarium vouchers: 2000

ADMINISTRATIVE WORKS

Store In -charge

Purchase committee member



Preparation of DBM by using MS Excel

CENTRAL BOTANICAL LABORATORY Botanical Survey of India HOWRAH -711 103				
4	ETHNOBOTANY OF KORAPU		DATE :	21-06-13
5	COLL.NO :	32363		
6	VERN. NAME :	Dudhmal		
7	BOT.NAME :	Tylophora asthmatica (L. f.) Wight & Arn.		
8	FAMILY :	Apocynaceae		
9	HABIT,HABITAT & DISTR. :	Climber		
10	NOTES :	0		
11	LOCALITY:	Jeypore, Phulla	DISTRICT :	Koraput
12	TRIBAL GROUP:	Paroja		
13	NAME OF THE INFORMER:	0		
14	ETHNOBOTANICAL USES:			
15	Stem used as tying purpose. Leaf shade drying making powder and taken twice a day in honey for 41 days to treat asthma.			
18	COLLECTED BY	Sujana KA,M Mishra,Dhole PA & Pandey AD		
19	IDENTIFIED BY :	Sujana KA		

Botanical Survey of India Deccan Regional Centre Herbarium (B10) Hyderabad, Telangana					Botanical Survey of India Deccan Regional Centre Herbarium (B10) Hyderabad, Telangana				
Place of	Greater Hyderabad	Date	8/9/2007		Place of	Greater Hyderabad	Date	8/9/2007	
Access.No.		Field No.	201		Access.No.		Field No.	202	
Botanical Name	Polygala elongata Klein ex Willd.				Botanical Name	Sida cordifolia L.			
Family	COMPOSITAE				Family	COMPOSITAE			
State	Telangana	Altitude			State	Telangana	Altitude		
Locality	ICFRE Campus to Dhoolapally				Locality	ICFRE Campus to Dhoolapally			
Lat./Long.					Lat./Long.				
Habit	Herb	Distribution			Habit	Herb	Distribution	Not	
Notes	Flowers are yellow				Notes	Flowers are yellow			
Vern. Name					Vern. Name				
Uses					Uses				
Collected by	Dr. V.S. Kumar & K. Chandrasekar				Collected by				
Identified by					Identified by				

Botanical Survey of India Deccan Regional Centre Herbarium (B10) Hyderabad, Telangana					Botanical Survey of India Deccan Regional Centre Herbarium (B10) Hyderabad, Telangana				
Place of	Greater Hyderabad	Date	8/9/2007		Place of	Greater Hyderabad	Date	8/9/2007	
Access.No.		Field No.	203		Access.No.		Field No.	204	
Botanical Name	Tylophora lindleyi (Bur. f.) Merr.				Botanical Name	Stylosanthes fruticosa (Retz.) Alston			
Family	COMPOSITAE				Family	COMPOSITAE			
State	Telangana	Altitude			State	Telangana	Altitude		
Locality	ICFRE Campus to Dhoolapally				Locality	ICFRE Campus to Dhoolapally			
Lat./Long.					Lat./Long.				
Habit		Distribution			Habit		Distribution		
Notes					Notes				
Vern. Name					Vern. Name				
Uses					Uses				
Collected by					Collected by				
Identified by					Identified by				



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

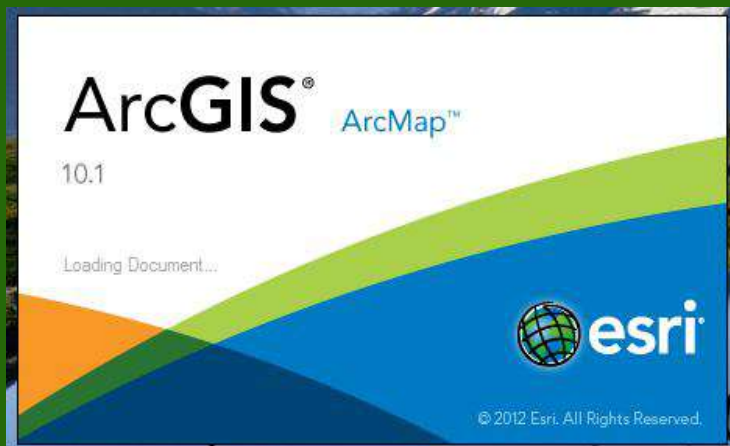
Articles : 02



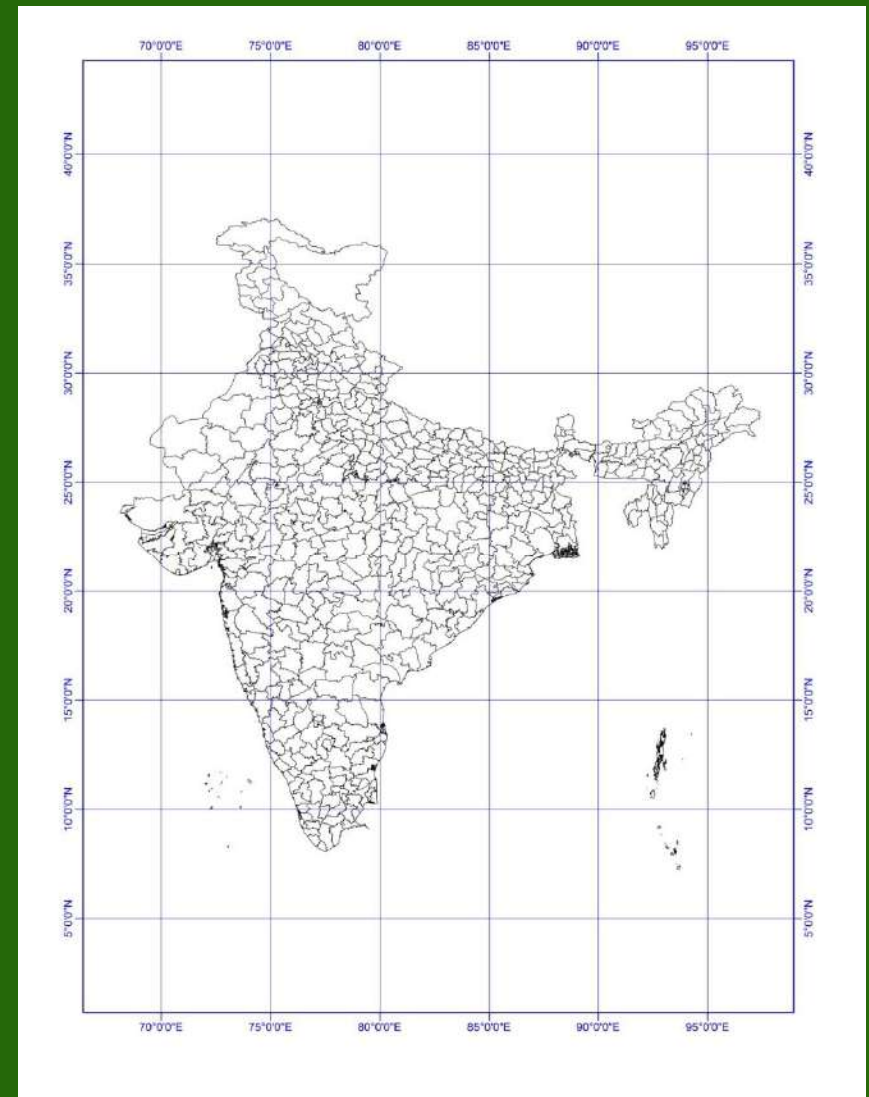
RS & GIS

Requirements

WORK STATION

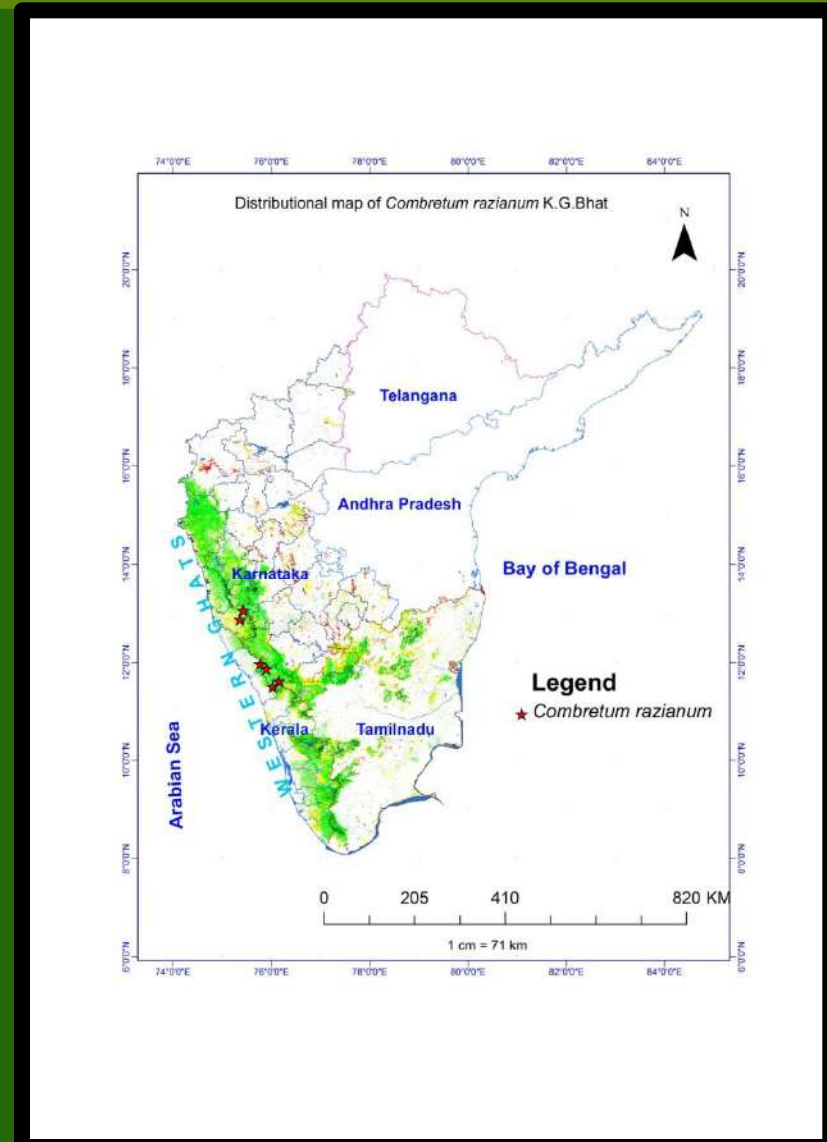
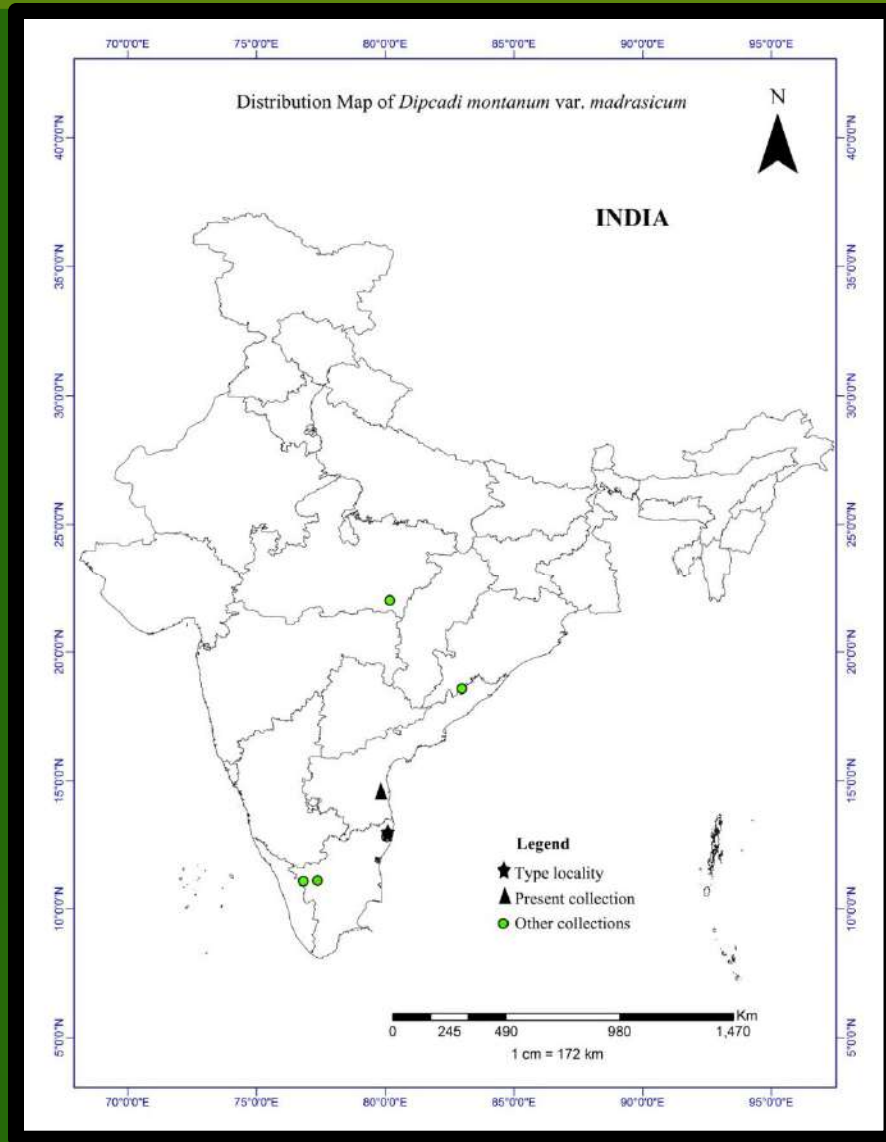


ERADAS IMAGE 2014





Out put of GIS





Illustrations



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

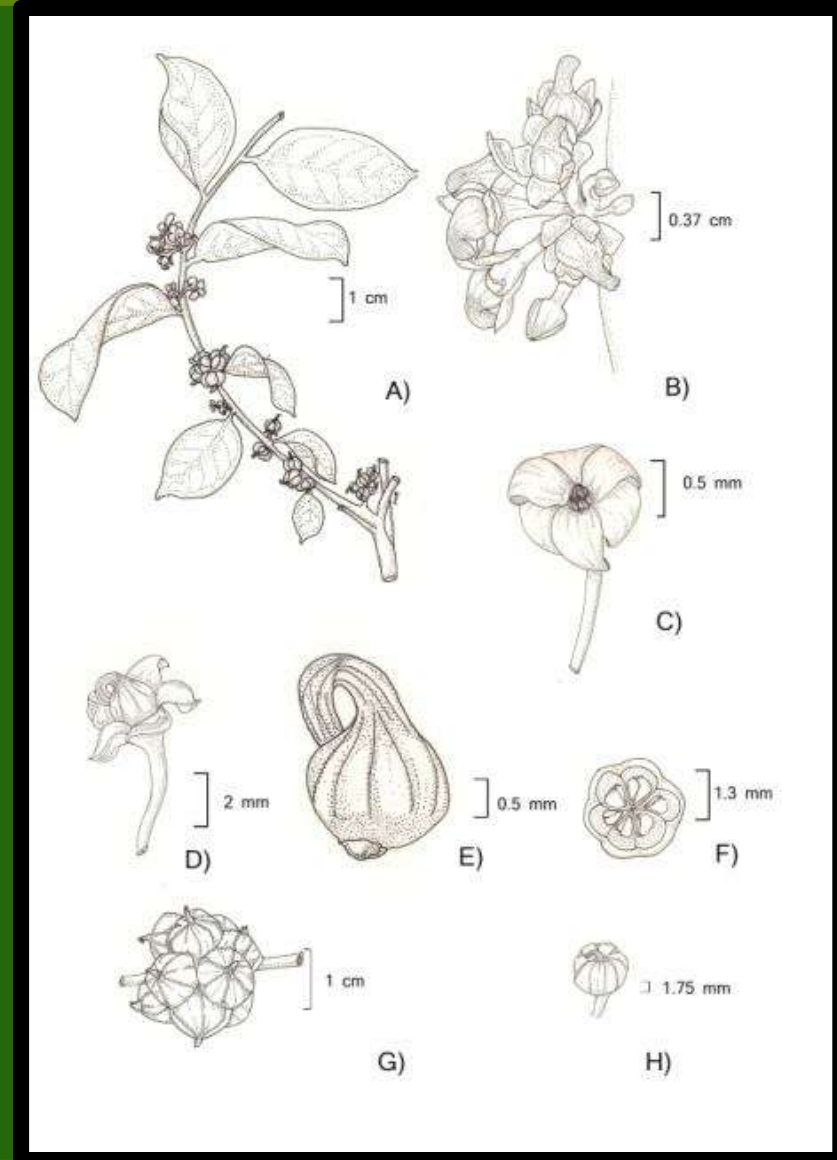
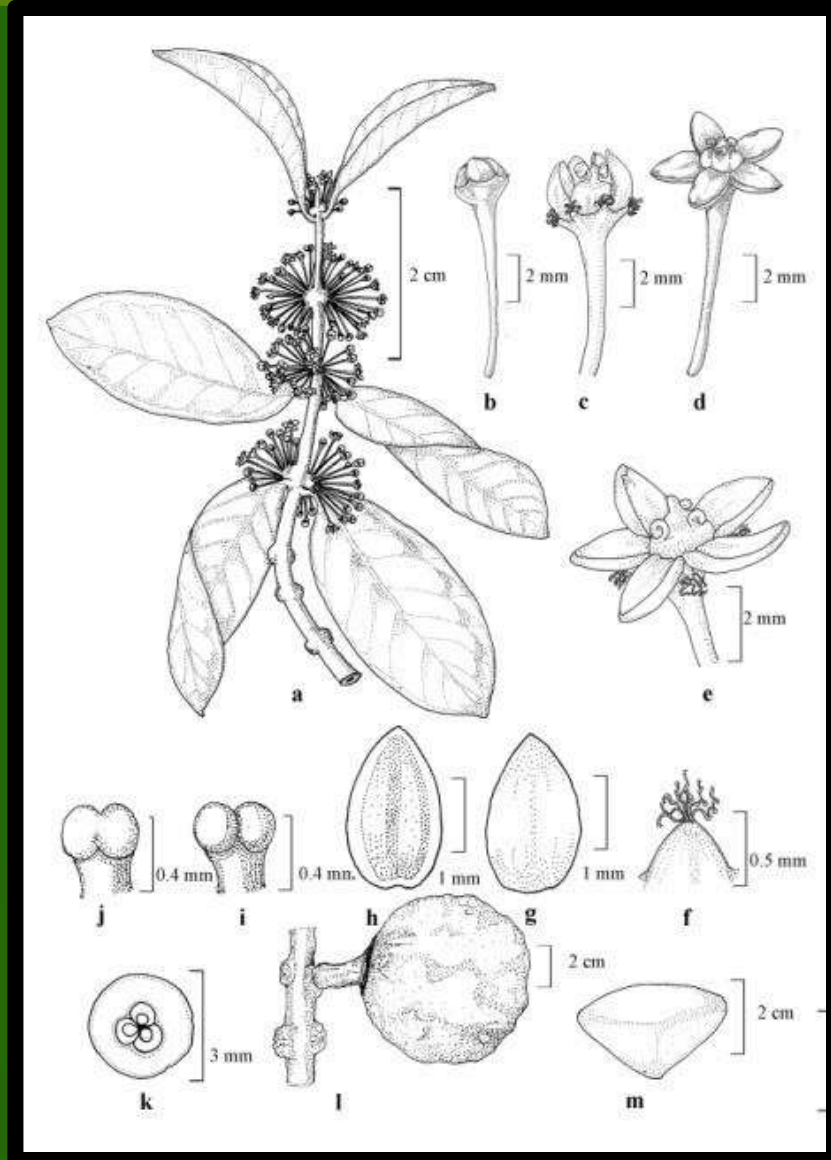
संस्थापक निदेशक, केंद्रीय वनस्पतिक प्रयोगशाला (1954)

Founder Director, Central Botanical Laboratory (1954)

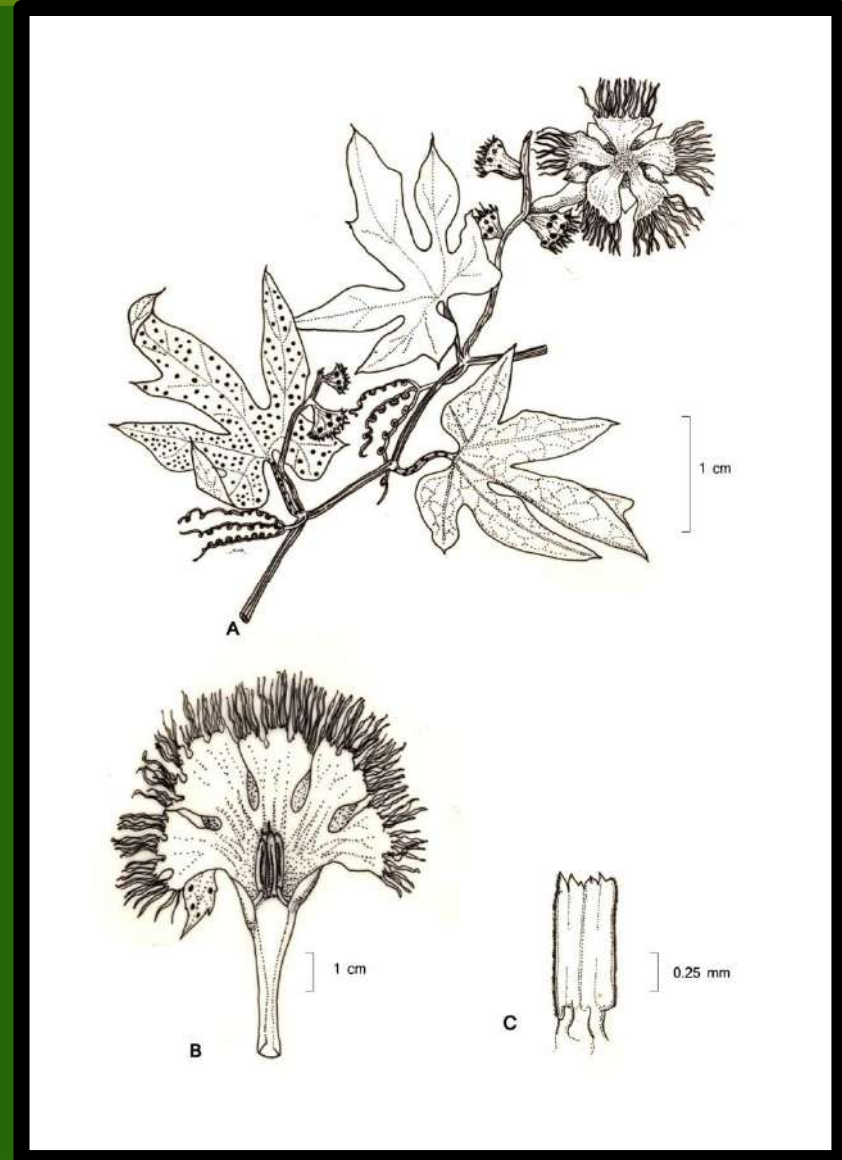
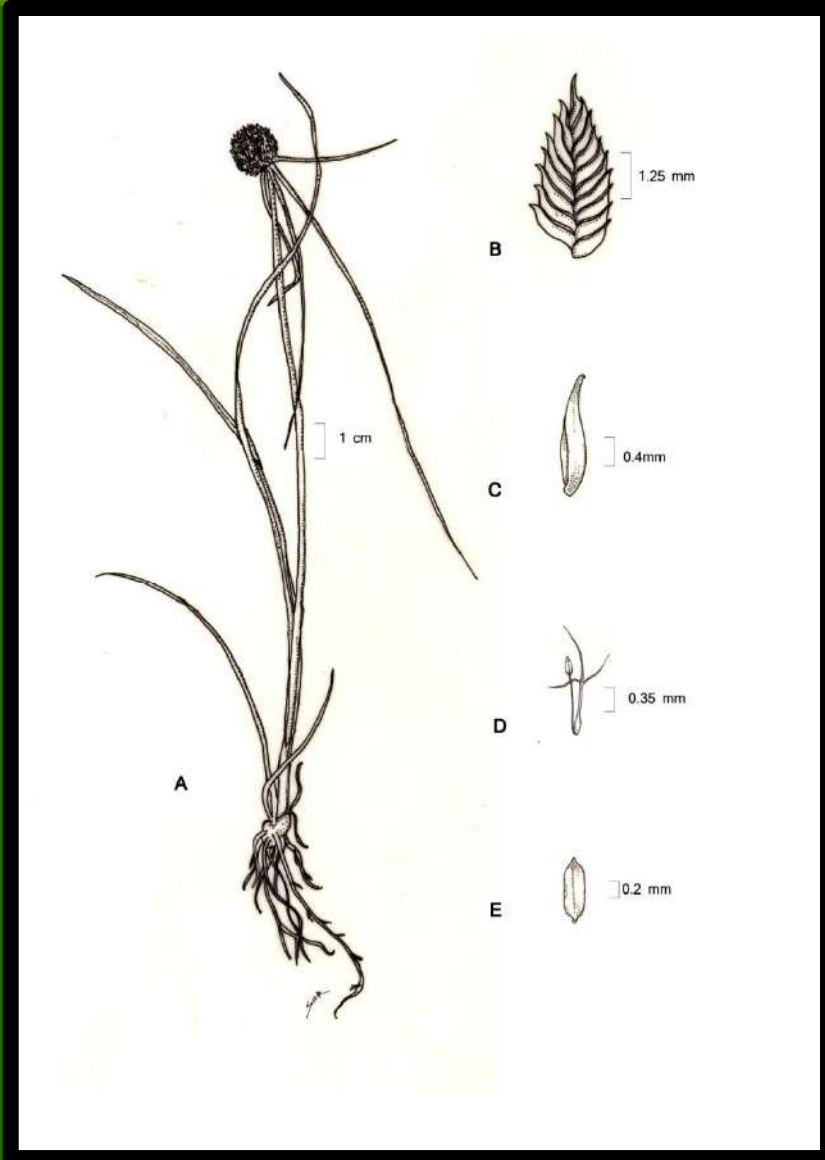
The Government of India conferred *Padma Sri* in 1957

[Society of Ethnobotanists (SEB) instituted the E. K. Janaki Ammal Medal at international level in 1992
&
The Ministry of Environment & Forests, Government of India instituted the E. K. Janaki Ammal
National Award for Taxonomy in 1999]

Illustrations



Illustrations





Future Plan of Research

1. 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