

**J.H. Franklin Benjamin
Scientist C
BSISRC, Coimbatore**

Ph.D. TITLE: **FLORISITIC STUDIES ON SRI VENKATESWARA NATIONAL PARK, ANDHRA PRADESH**

JOINED AS: Research Scholar between May 2001 to December 2004

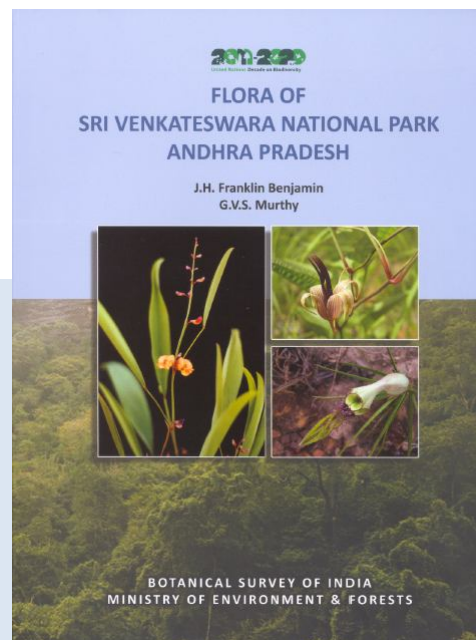
UNDER: BSI's Protected Area Network Project (2001-2004), MOEF & CC, New Delhi

GUIDANCE: Dr. G.V.S. Murthy, Former Scientist G, BSI SRC, Coimbatore

Thesis Submitted: December 2005

Ph. D. AWARDED: March 2007

Enumerated 1030 taxa belonging to 551 genera in 132 families with 8 subspecies and 43 varieties occurring in the study area.

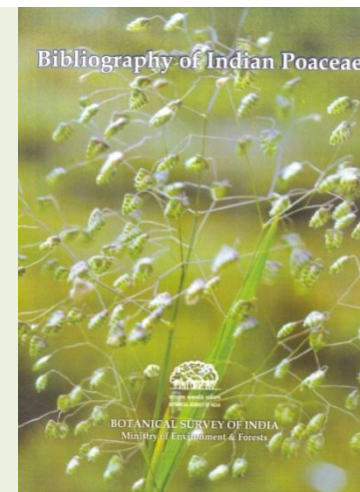


Book Published

YEAR - 2013

ISBN: 81-8177-042-0

JOINED AS: Technical Assistant April 2005-April 2007.
UNDER: AICOPTAX –GRASS Project, MOEF& CC, New Delhi
Co-ordinator: Dr. V.J. NAIR, Emeritus Scientist, BSI SRC, Coimbatore
Work Allotted: Bibliography of Indian Poaceae
Book Published: 2012. ISBN: 81-8177-047-1



JOINED AS: Guest Lecturer.
UNDER: Dept. of Plant Science, Bharathidasan University, Tirucirappalli
Duration: September 2008 to October 2011
Work Allotted: Handled M.Sc., M.Phil., Plant Science Classes.

Direct Recruitment through UPSC

- **Scientist - B**
- **October 2011**



BY FCS

- **Scientist – C**
- **August 2016**

Total Annual Action Plan Projects - 5

- | | |
|--|------------------|
| 1. Flora of Malabar Wildlife Sanctuary, Kerala. | COMPLETED |
| 2. Flora of Kerala Vol. V: <i>Revision of Family Podostemaceae</i> | COMPLETED |
| 3. Flora of Kerala Vol. V: <i>Revision of Family Piperaceae</i> | COMPLETED |
| 4. Flora of Kerala Vol. VII: <i>Revision of Family Cyperaceae</i> | COMPLETED |
| 5. Flora of Kanyakumari Wildlife Sancuary, Tamil Nadu | ONGOING |

FLORA OF MALABAR WLS, KERALA (2012-2016)

J.H. Franklin Benjamin, Scientist B & Rakesh G. Vadhyar, Bot. Asst.

MWLS

Project
Completed.
Manuscript
Submitted

8 Tours; 1485 Field numbers in triplicate collected.

407 species in 310 genera and 107 families

103 are endemics (3 taxa are endemic to India; 9 to Peninsular India, 1 to Kerala; 42 to Western Ghats; 46 to Southern Western Ghats and 2 strict endemics)

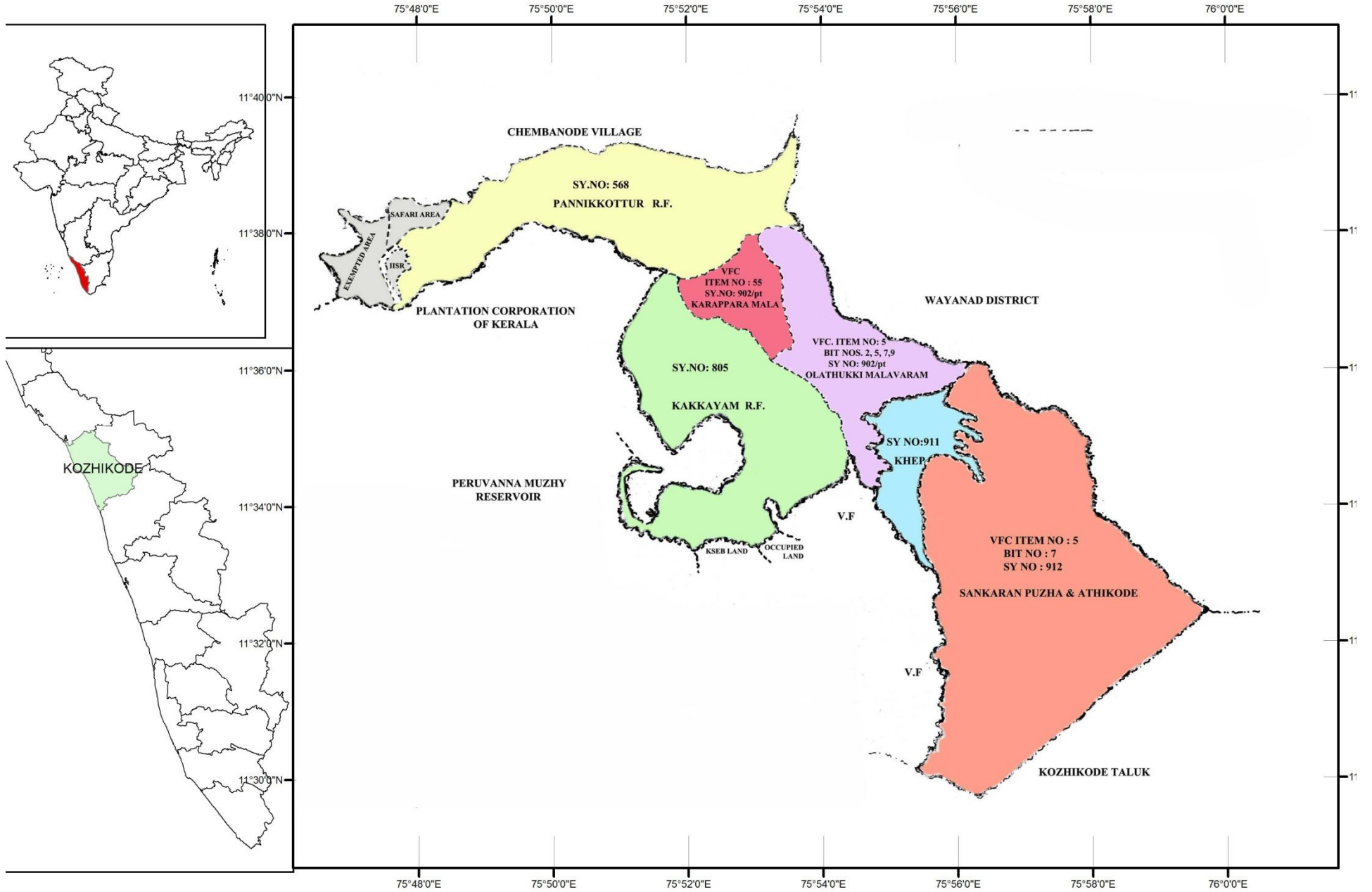
26.28% of the total taxa.

17 taxa are under IUCN threatened categories

113 taxa has been reported as additions to Kozhikode district.

22 taxa have been reported as invasive/feral.

Malabar Wildlife Sanctuary, Kerala



Some RET/E Plants of Malabar Wildlife Sanctuary collected during the study:

Critically Endangered



Hopea erosa (Bedd.) Slooten Dipterocarpaceae

Meteoromyrtus wynaadensis (Bedd.) Gamble Myrtaceae

Endangered



Symplocos macrophylla Wall. ex DC. ssp. *rosea* (Bedd.) Noot. Symplocaceae

Euonymus serratifolius Bedd. Celastraceae

Vulnerable



Actinodaphne malabarica N.P. Balakr. – Lauraceae

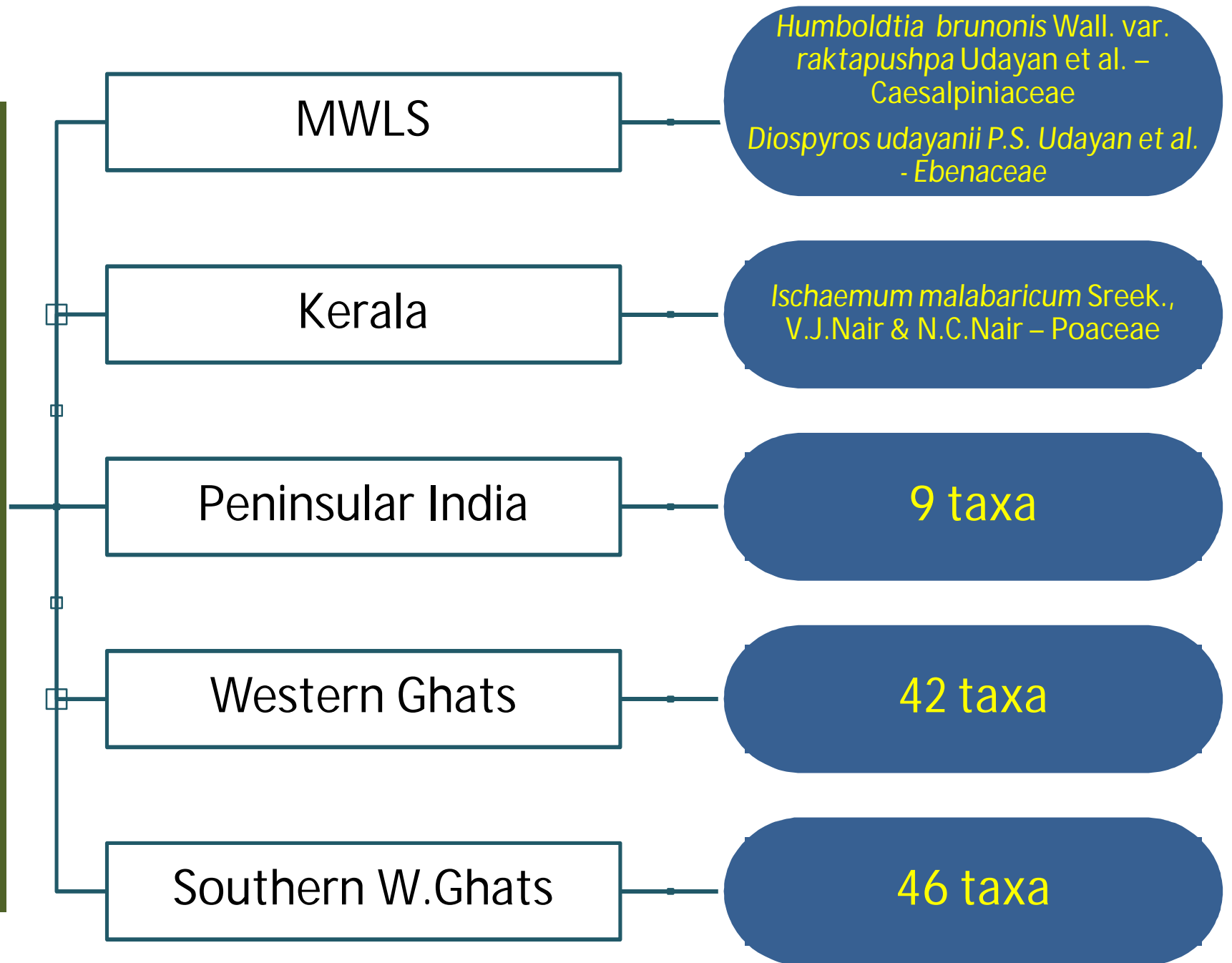
Euonymus angulatus Wight - Celastraceae

Humboldtia brunonis Wall. var. *raktapushpa* Udayan et al. - Caesalpinaceae

Mycetia acuminata (Wight) Kuntze - Rubiaceae.

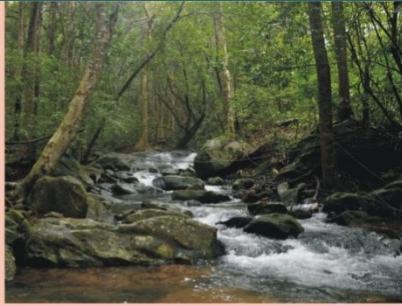
Capparis rheedei DC. – Capparaceae,

Endemics





Payanikotta R.F.



Stream at Payanikotta R.F.



Myristica Swamps at Payanikotta R.F.



Stream in Rendamchizhi



Amabalapara Falls



Chenkottokoli



Sankaranpuzha in full spate



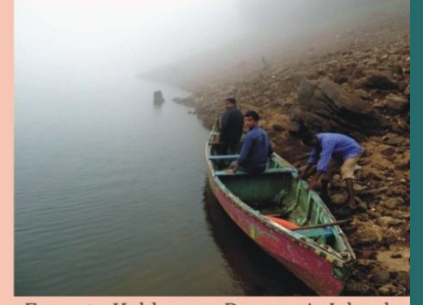
Muthattupuzha in full spate during monsoon



Fording Muthattupuzha enroute Kombiankode



Dry bed of Kakkayam Reservoir



Enroute Kakkayam Reservoir Islands



Enroute Vattakayam: Wayanad-Kozhikode Border



Vattakayam



Survey team with forest personnel at Vattakayam forest rest house



Survey team atop Ambalapara, enroute Madhagiri

Interesting/Endemic Plants of MWLS



Goniotalamus wynaadensis (Bedd.) Bedd. -
Annonaceae



Hydnocarpus alpina Wight – Flacourtiaceae



Hopea erosa (Bedd.) van Sloot. - Dipterocarpaceae



Firmiana colorata (Roxb.) R. Br. - Sterculiaceae



Impatiens scapiflora B. Heyne ex Roxb. - Balsaminaceae



Euonymus indicus B. Heyne ex Roxb. - Celastraceae



Lophopetalum wightianum Arn. - Celastraceae



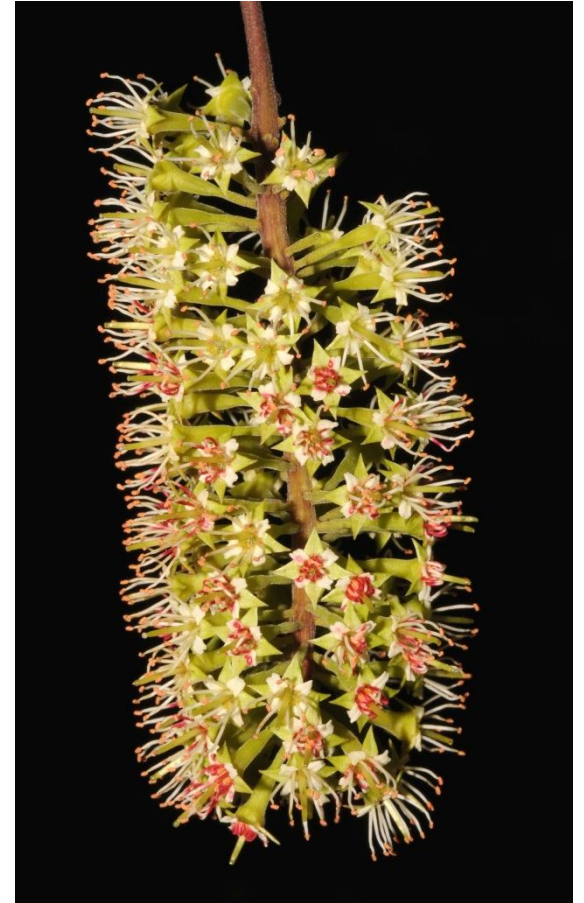
Nothopegia beddomei Gamble - Anacardiaceae



Humboldtia brunonis Wall., var.
raktapushpa P.S. Udayan & al. -
Caesalpinaceae



Syzygium laetum (Buch.-Ham.) Gandhi - Myrtaceae



Combretum latifolium Blume -
Combretaceae



Barleria courtallica Nees - Acanthaceae



Thunbergia mysorensis (Wight) T. And. - Acanthaceae



Thottea siliquosa (Lam.) Ding Hou - Aristolochiaceae



Tolypanthus lagenifer (Wight) van Tiegh. - Loranthaceae

**FLORA OF KERALA – VOLUME 5 (PODOSTEMACEAE)
(2012 -2013)**

9 genera & 21 species

Manuscript submitted in the prescribed format

Project completed

**FLORA OF KERALA – VOLUME 5 (PIPERACEAE)
(2012-2013)**

3 genera & 23 species

Manuscript submitted in the prescribed format

Project completed

FLORA OF KERALA – VOLUME 7 (CYPERACEAE) (2013-2014)

Dr. K. A. A. Kabeer, Scientist – C & Dr. J. H. Franklin Benjamin, Scientist - B

- 20 genera and 203 species in Kerala
- Manuscript in flora format was edited and submitted
- Project Completed

FLORA OF KERALA – VOLUME 7 (ERIOCAULACEAE) (2015-2016)

Shri. R.K. Premnath, Dr. K. A. A. Kabeer & Dr. J. H. Franklin Benjamin

- 1 genus and 36 species in Kerala
- 24 species are endemic
- Project Completed

New Project: Flora of Kanyakumari WLS, Tamil Nadu (2016-2021)



402 sq.km.

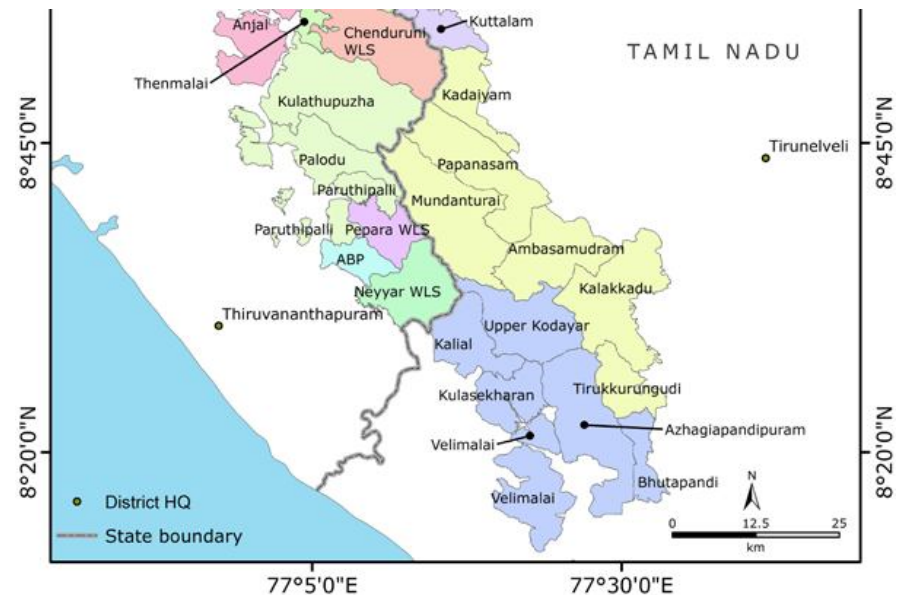
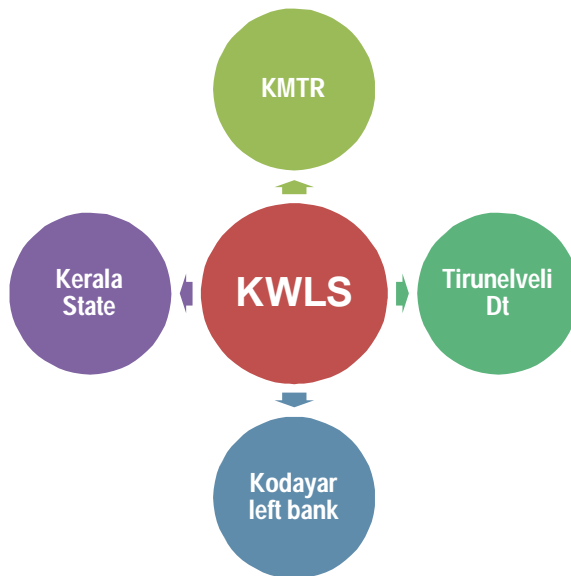


from about sea level to 1800 m.



77°10'-77°35' East longitudes & 8°05'-8°35' North latitudes

Very Varied: *Southern thorn forests, dry deciduous, moist deciduous, semi evergreen forests to ever green hill sholas with grassy downs*



Significance:

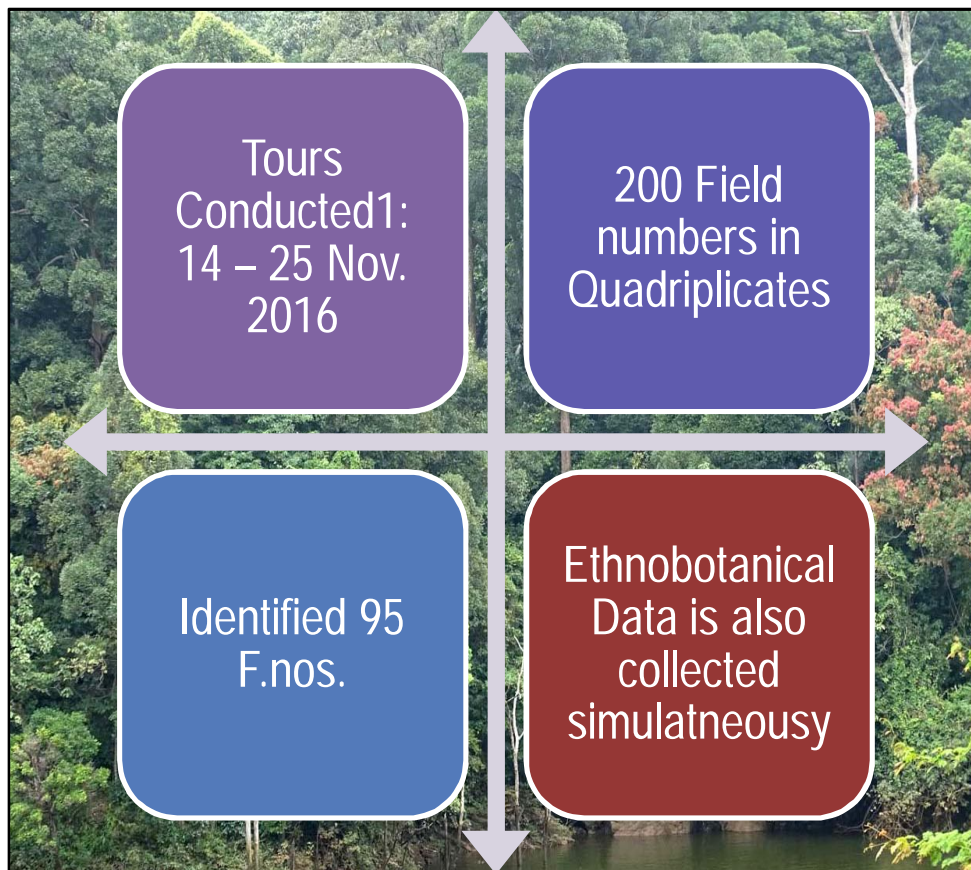
Wildlife Corridor to Elephants and Tigers

Catchment area for 10 reservoirs

Southern most tip of the Western Ghats

Neighbouring KMTR ca 1106 taxa reported

Not a part of ABR



Achievements



Alstonia scholaris (L.) R. Br - Apocynaceae



Alstonia venenata R.Br. – Apocynaceae



Centrosema molle Benth. - Fabaceae



Ceropogia spiralis Wight - Apocynaceae

Sr. no.	Administrative work	Period	Details
1.	Stores Officer-in charge/Mounting section-in Charge	Period of more than 4 financial years	2012 – till date
2.	TECHNICAL		<p>Coordinated 5 Annual “Training Programme in Herbarium Methodology” conducted during May /June of every year for Group C Staff of Govt. Departments (2012-2016). Total 37 candidates were trained. Revised Course material was edited and issued to participants.</p> <p>Inspected 3 Botanic Gardens under Assistance to Botanic Gardens Project of MOEF&CC. And Feasibility Inspection of another Botanic Garden vis-à-vis their proposal.</p> <p>Training imparted on plant taxonomy to Interns from St. Joseph’s College, Trichy for 30 days.</p>
3.	MEMBER FOR VARIOUS COMMITTEES		Departmental Purchase , Medical & Disposal Committee

Summary of Projects carried out and Publications Individually/jointly

Research Activity	Contribution	Number
Number of projects carried out	Individually Jointly	1 4 (1 ongoing)
Number of books Book chapters	written /compiled /edited / contributed	2 published 3 published 4 submitted
Number of papers published	Individually First author jointly or co-author	01 no. 05 nos. 10 nos.
New reports	Regions, states	03 nos.

Future plan of research

Name of the project	Flora of Kanyakumari Wildlife Sanctuary, Tamil Nadu
Name of the Executing persons	Dr. J.H. Franklin Benjamin, Scientist C Shri. R.G. Vadhyar, Bot. Asst.
Total area to be surveyed in the next year	Ca 100 sq.km
No. of Field tours to be conducted in the next year	Two tours [Quarter 1 (May 2017) & Quarter 3 (September 2017)]

Sixteenth Foundation Training Programme for Scientists & Technologists (November 21, 2016 – February 10, 2017) - Successfully Completed

- Duration/Place: 12 weeks at Indian Institute of Public Administration, New Delhi
- No. of trainees: 12
- Objective: Understand Science and Technology with a social perspective.
Legal and administrative framework and acquire necessary Behavioural and Communication Skills for enhancing Decision Making and Problem Solving.
Comprehend Administrative Rules and procedures etc.



Thanks...