

ACTIVITIES AND ACHIEVEMENTS

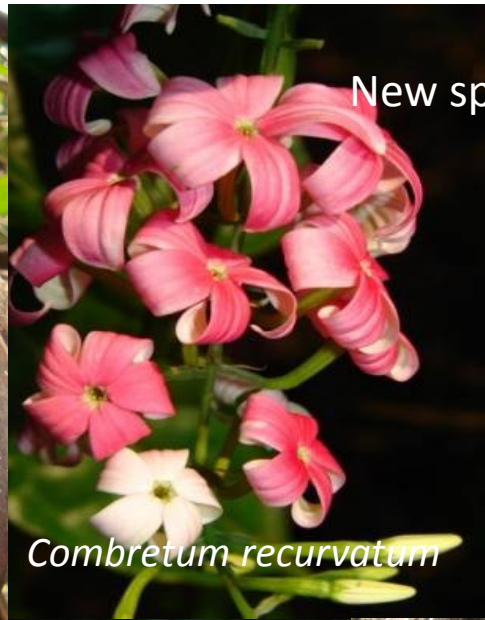


DR. SUJANA K. A.
SCIENTIST D
CENTRAL BOTANICAL LABORATORY/BSI
HOWRAH

Name	SUJANA K. A.
Designation	Scientist D (23-08-2016 on wards)
Date of Joining in service	19-09-2011 (as Scientist C)
Title of the thesis	Study on Taxonomy, Ecology and Ethnobotany of woody climbers in forests of Wayanad, Kerala (M. S. Swaminathan Research Foundation) with a Fellowship of Sir Dorabji Tata Trust, Mumbai
Degree conferred by	(Biodiversity Conservation) University of Madras, Chennai



Millettia rubiginosa



Combretum recurvatum



Salacia wayanadica

- 150 woody climbing plants
- Field identification key & pictorial guide
- 136 locally useful taxa
- Population, distribution, diversity & similarity indices
- Role of woody climbing plants as fallback food for arboreal mammals
- 1 book; 7 papers



Macaca radiata



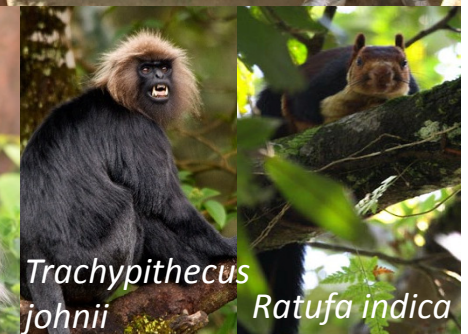
Spinning of bark of lianas as rope



Macaca silenus



Semnopithecus entellus



Trachypithecus johnii

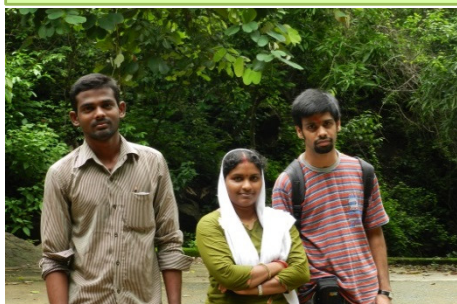
Ratufa indica

PROJECT MANAGEMENT (AAP)

TITLE OF THE PROJECTS	DURATION	STATUS
ETHNOBOTANY OF ODISHA (PHASE II) (2011-2017)	6 years	ON GOING
DOCUMENTATION OF ETHNOBOTANICAL INFORMATION FOR TREATMENT OF STONES (2012-2013)	1 year	PROJECT COMPLETION REPORT SUBMITTED
FLORA AND ETHNOBOTANY OF BALASORE DISTRICT, ODISHA (2013-2016)	3 years	PROJECT COMPLETION REPORT SUBMITTED
SURVEY AND DOCUMENTATION OF ECONOMICAL AND ETHNOBOTANICAL USES OF ENDEMIC TREES OF INDIA (2016-2019)	3 years	ON GOING

ETHNOBOTANY OF ODISHA (PHASE II)

Sujana K. A.
Scientist 'D'
R. Saravanan
Botanical Assistant
A. D. Pandey
Senior Preservation
Assistant



Sujana K. A.
Scientist 'D'
A. C. Halder
Botanist
P. K. Baske
Botanist
A. D. Pandey
Sr. Pres. Assistant



Sujana K. A.
Scientist 'D'
Monika Mishra
Botanical Assistant
P. A. Dhole
Botanical Assistant
A. D. Pandey
Sr. Pres. Assistant

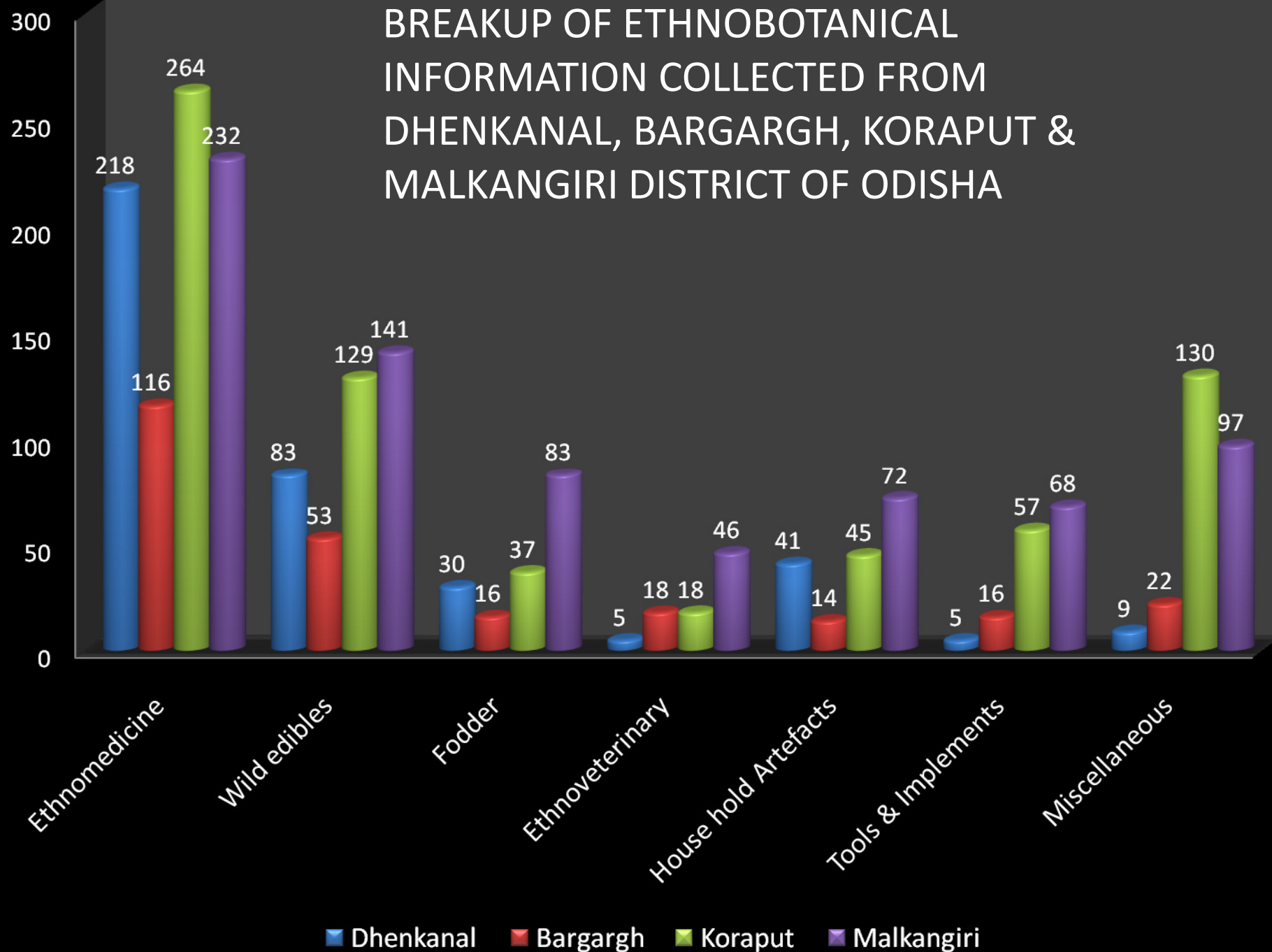


Sujana K. A.
Scientist 'D'
Monika Mishra
Botanical Assistant
P. A. Dhole
Botanical Assistant



Name of the District	No. of field days	No. plants collected	No. of ethnobotanical information collected	Publications	No of new uses
Dhenkanal (2012-13)	17	304	391	1	43
Bargargh (2012-13)	12	176	255	1	21
Koraput (2013-15)	31	454	680	2+1	124
Malkangiri (2015-17)	31	608	739	1+2	On going

BREAKUP OF ETHNOBOTANICAL INFORMATION COLLECTED FROM DHENKANAL, BARGARGH, KORAPUT & MALKANGIRI DISTRICT OF ODISHA





**Documentation of ethnobotanical
information -2065
Incorporation of ethnobotanical
herbarium materials– 1846
Collection of specimens for
Ethnobotany museum – 52**

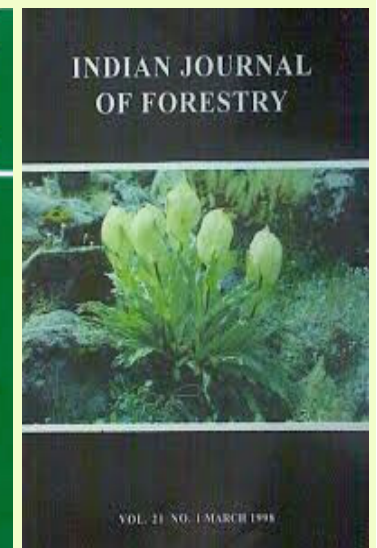
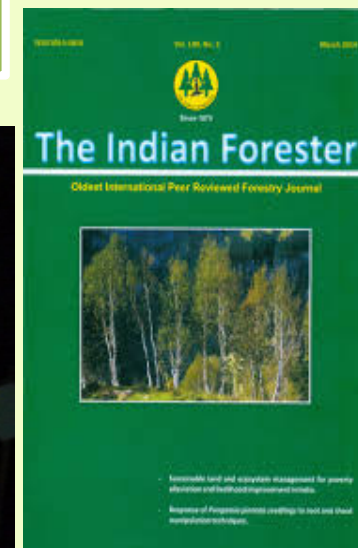
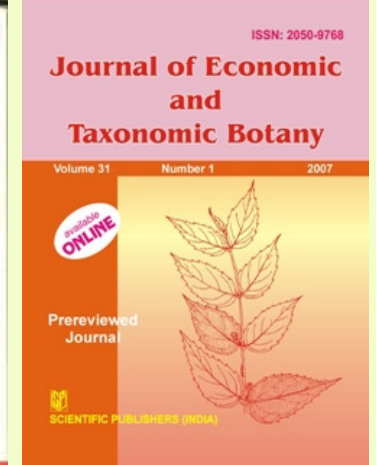
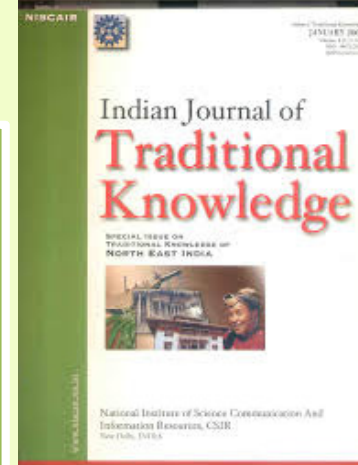


ETHNOBOTANICAL INFORMATION RECORDED IN HERBARIUM AND LITERATURE FOR TREATMENT OF STONE

April 2012-March 2013

DR. SUJANA K. A

- A total of 217 medicinal formulations were collected from various literature
- Information on 168 ethnomedicinal plant species belonging to 67 families has been enumerated
- *Bryophyllum pinnatum* (Lam.) Kurz and *Tribulus terrestris* L. were the taxa with maximum type of utilization pattern



FLORA AND ETHNOBOTANY OF BALASORE DISTRICT, ODISHA (2013-2016)

SUJANA K. A.

SCIENTIST 'D'

R. SARAVANAN

BOTANICAL

ASSISTANT

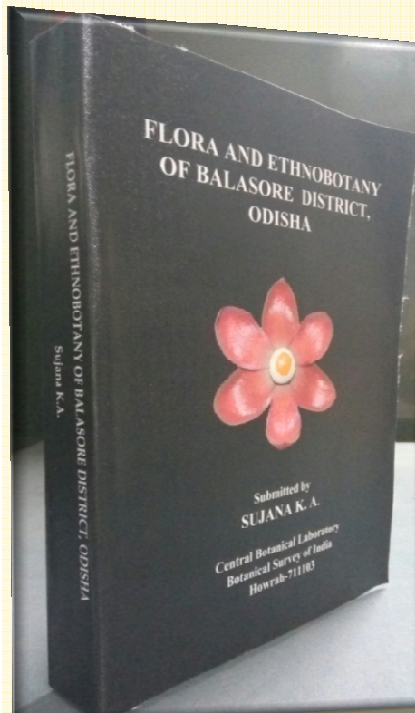
MONIKA

MISHRA

BOTANICAL

ASSISTANT

- Collected, identified and described 812 taxa of angiosperms belongs to 494 genera under 115 families
- Ten new distributional record to Odisha State
- 5 Endemic species were collected from the district
- One rediscovery of a threatened liana after a century
- A total of 548 ethnobotanical information on 374 plants were also documented.
- A final report of Flora and Ethnobotany of Balasore district, Odisha has prepared and submitted.
- A total of 1330 herbarium specimens incorporated
- 5 research papers published





Ottochloa nodosa



Gymnema montanum



Dysoxylum gotadhora



Uvaria eucineta



SURVEY AND DOCUMENTATION OF ECONOMICAL AND ETHNOBOTANICAL USES OF ENDEMIC TREES OF INDIA (2016-2017)

SUJANA K. A., SCIENTIST D

R. SARAVANAN, BOTANICAL ASSISTANT

A total of 150
published
information on uses
of endemic trees of
India collected and
data documented.

A field tour (w.e.f
24-11-2016 to 02-12-
2016)

undertaken to
Andaman & Nicobar
Islands and collected
105 field numbers
with 139
ethnobotanical
information





*Cynometra
beddomei*



Baccaurea courtallensis



Gluta travancorica



*Otonephelium
stipulaceum*



*Meteoromyrtus
wynaadensis*



Hopea ponga



Litsea coriacea



Syzygium munronii



Knema attenuata



*Elaeocarpus serratus
var. weibellii*



Syzygium laetum



Kingiodendron pinnatum



Aglaia malabarica



*Atuna
travancorica*



*Pterospermum
rubiginosum*

OUTREACH ACTIVITIES

- Exhibitions: 4 (national science expo-2)
- Delivered 42 talks to 1330 visitors



CAREER ADVANCEMENT PROGRAMS

- Scientific Trainings attended: 2
- Administrative Trainings attended: 2
- Seminars/workshops:6



ADMINISTRATIVE/TECHNICAL

Year	Roles and Responsibilities								
	DDO	Purchase Committee	Vehicle in charge	Liaison with auditors	Auction committee chairperson	Store physical verification	Drafting of action taken reports	Central Library Committee Member	ENVIS editorial team
2011		√ (M)				√ (M)			
2012	√	√ (M)	√			√ (M)	IBD, SBD		
2013	√	√ (M)	√			√ (M)	IBD, SBD		
2014	√	√ (CP)	√	√		√ (CP)			
2015	√	√ (CP)	√	√	√	√ (CP)	VAW, CD	√	
2016	√	√ (CP)	√	√	√	√ (CP)	VAW, SBA	√	√
2017	√	√ (CP)	√		√	√ (CP)	NYD	√	√

- Other duties as and when assigned by BSI directorate

PUBLICATIONS

Number of Projects carried out individually as well as jointly	4
Number of books written/edited individually as well as jointly/ chapters in books	1/1/10
Number of papers published individually /first author as well as jointly/co-author	1/13/29
Number of new taxa, new combinations/names and new reports (India as well as regions/States) published	10/2/1/15





FUTURE PLANS

- Bring out a holistic plan for mapping the distribution, population and conservation of endemic trees of India
- Validation of tribal claims in Ethnobotany in association with expert groups to bring out useful products
- 4C Approach for high value or top prioritized medicinal plants of India



Thank you