

Bonda tribe (Bonda hill,
Malkangiri, Odisha)

MONIKA MISHRA
BOTANICAL ASSISTANT
CBL, BSI, HOWRAH

Designation: Botanical Assistant

Place of Posting: Central Botanical Laboratory,

AJCB Indian Botanic Garden, Howrah-711103, W. B.

Date of Joining BSI: 11-03-2013

M. Phil. (2008)

Topic: “Studies on the effect of certain mutagens on cyto-morphological characters of Broad Bean (*Vicia faba* L.)”

Ph. D. (2016)

Topic: “Studies on induced mutagenesis in Isabgol (*Plantago ovata* Forsk.)”

University: Aligarh Muslim University, Aligarh, U. P.

ANNUAL ACTION PLAN PROJECTS

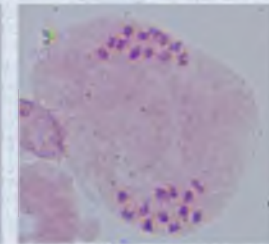
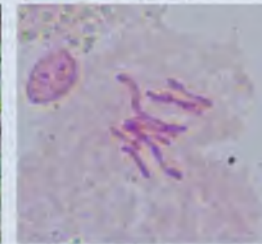
Projects	Team leader	District covered	Field tours	Total field number collected
1. Ethnobotany of Odisha	Dr. Sujana K.A., Scientist-D	Koraput	2	662
		Malkangiri	2	637
	Shri. A.C. Halder, Botanist	Boudh	2	344
2. Flora and ethnobotany of Balasore district, Odisha	Dr. Sujana K.A., Scientist-D	Balasore	3	844



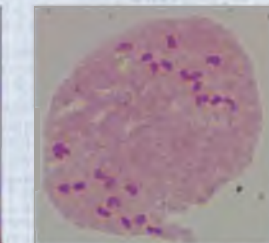
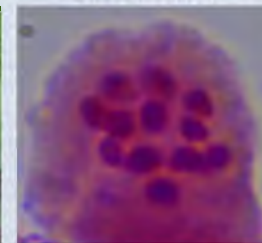
Project 3: Cytological investigation of some selected angiosperms of AJCB Indian Botanic Garden, Howrah



Solanum americanum
Mill. (Solanaceae)
 $2n=24$



Solanum torvum Sw.
(Solanaceae)
 $2n=24$



Canthium coromandelicum
(Burm. F.) Alston
(Rubiaceae)
 $2n=44$

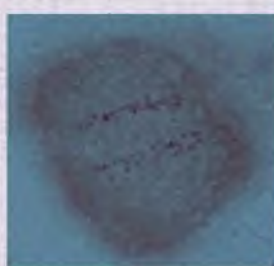
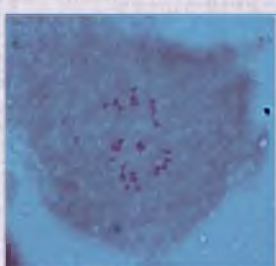
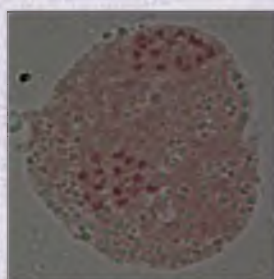
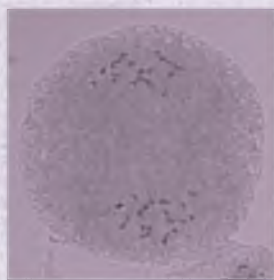
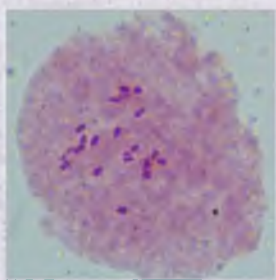


Cleome rutidosperma DC.
(Cleomaceae)
 $2n=30$

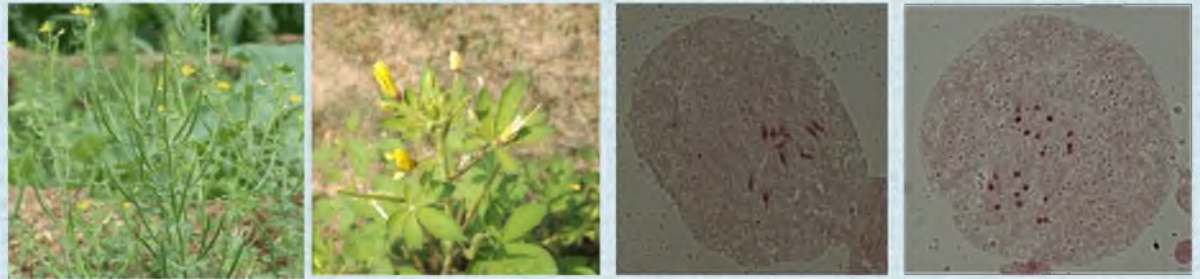


Asystasia gangetica (L.) T.
Anderson (Acanthaceae)
 $2n=52$





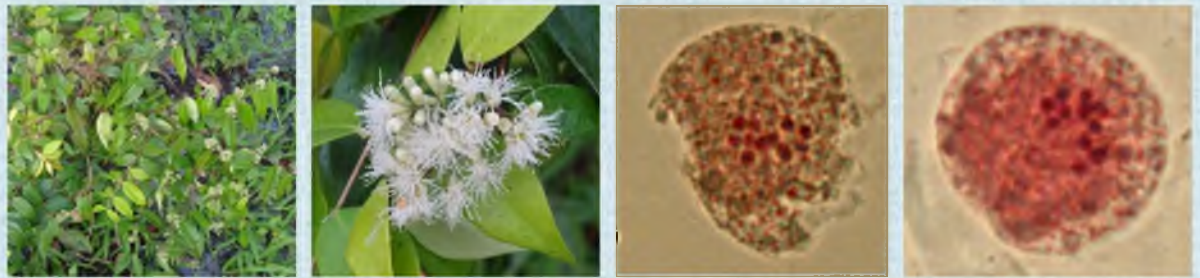
Cleome viscosa L.
(Cleomaceae) $2n=20$



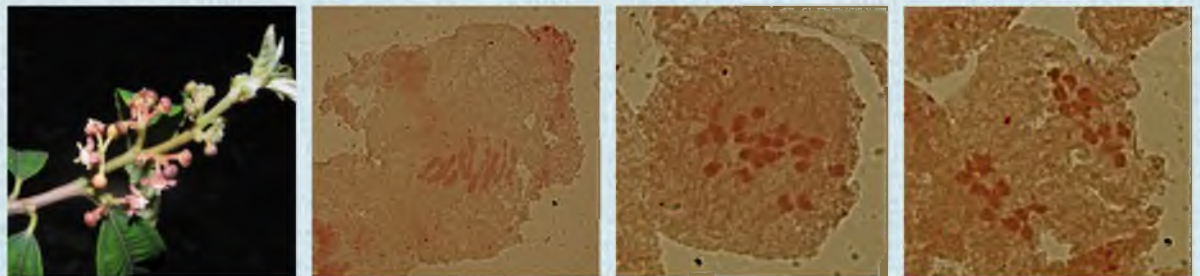
Rivina humilis L.
(Phytolaccaceae)
 $2n=108$



Syzygium zeylanicum
(L.) DC. (Myrtaceae)
 $2n=22$
(New report)



Colubrina travancorica
Bedd. (Rhamnaceae)
 $2n= 24$
(New report)



PROCESSING OF HERBARIUM

- Processing of voucher specimens: 2501
- Preparation of herbarium labels: 1062

DOCUMENTATION/DATA COMPILATION

- Plant described: 289
- Documentation of collected information in MS Excel/MS Word: 1307
- Assisted in data compilation and report preparation of Koraput, Malkangiri, Balasore
- Documentation of information available on cytological voucher specimens collected by earlier workers (1960-1999): 1594
- Data compilation was done for cytological voucher specimens collected by earlier workers from IBG: 834
- Documentation of available chromosome count of species listed in census of AJCBIBG, Howrah: 200

MANAGEMENT OF MUSEUM/HERBARIUM

- Segregation, documentation, numbering and re-arrangement of ethnobotanical museum specimens: 1764
- Herbarium re-arrangement of different districts of Odisha
- Herbarium re-arrangement of cytology voucher specimens: 2297

- Talk given to visitors/students: 12
- Seminar/Conference attended: 8
 - Training/Workshop attended: 3

- Contribution towards '*Rajbhasha*':
Hindi words written on display board: 612

- Number of projects carried out:
 Jointly: 2
 Individually: 1
- Number of papers published/accepted: 15
 - Numbers of chapters in Books: 02
 - Number of new reports: 03
 - Number of re-discoveries: 01

FUTURE PERSPECTIVE

- Acquiring new skills through training/exposure with other institutions for upgrading the work scenario in place.
- Chromosome count and karyotype analysis for newly described species of angiosperms as well as those species for which chromosome data is not available yet.

