

**BOTANICAL SURVEY OF INDIA
CENTRAL REGIONAL CENTRE , ALLAHABAD
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE**

Annual Meet 2017



**Dr. Nitisha Srivastava
Botanical Assistant
Date of Joining in BSI: 09/10/2012**

D. PHIL DEGREE

Degree: D. Phil. Degree in Science (Botany-Cytogenetics)

University: University of Allahabad, Allahabad

Plant Genetics Laboratory

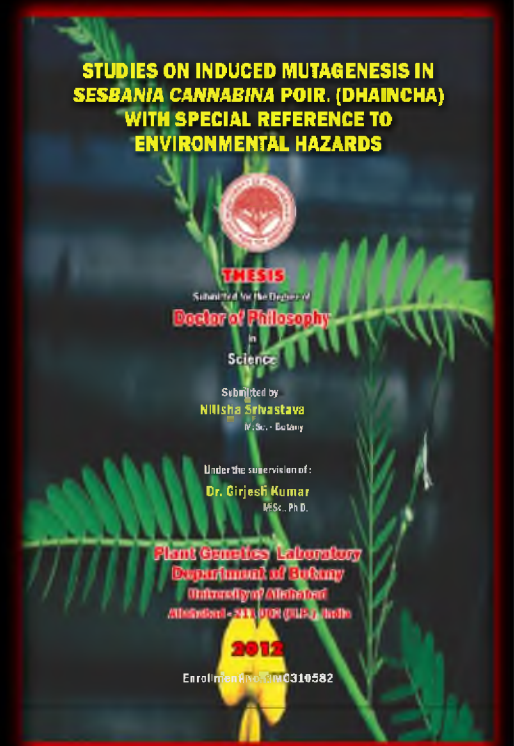
Supervisor/Guide: Prof. Girjesh Kumar

Title of Thesis: “Studies on induced mutagenesis in *Sesbania cannabina* Poir. (Dhaincha) with special reference to environmental hazards”

Date of Enrollment: 23/03/2009

Date of Award of D.Phil degree: 12/01/2013

Fellowship: CSIR-SRF





Annual Action Plan Project

FLORA OF CHANDRA PRABHA WILDLIFE SANCTUARY, CHANDAULI DISTRICT, U. P.

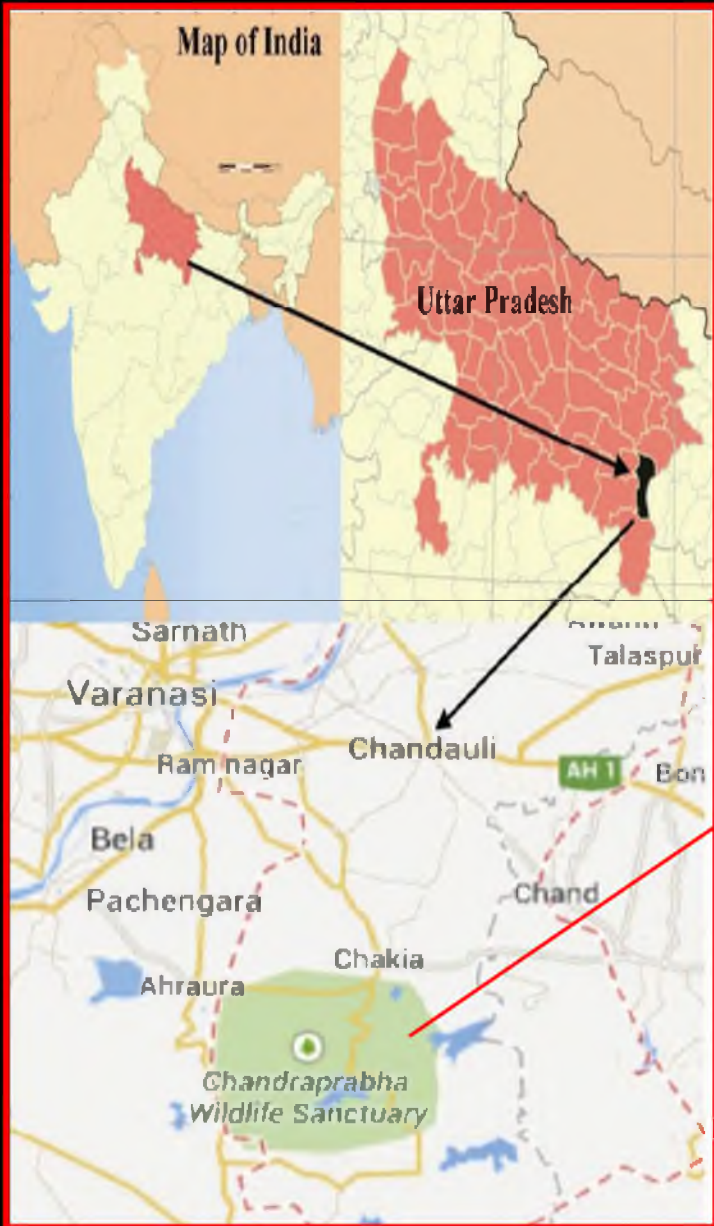
Dr. Achuta Nand Shukla (Scientist-'B')
and
Dr. Nitisha Srivastava (Botanical Assistant)

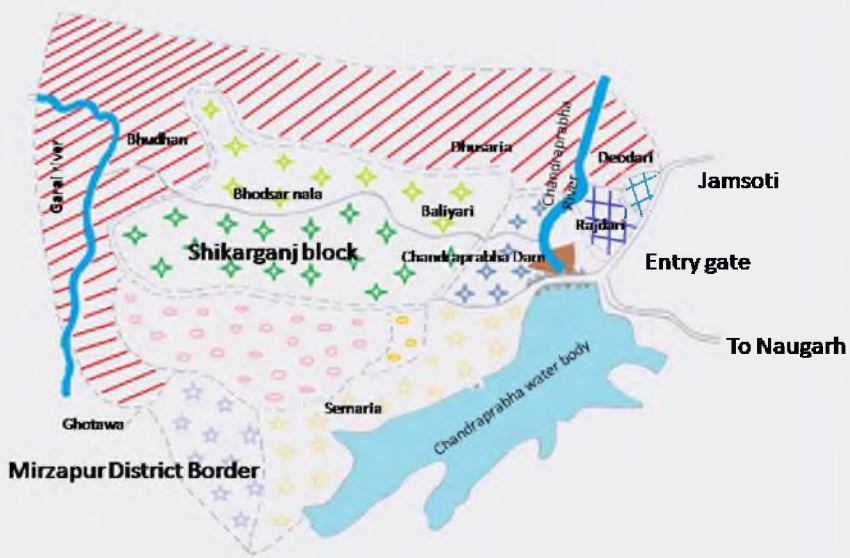
Area and locality of the Allotted Project: [78 sq km]

Date of Initiation: April 2015

Date of Completion : March 2017

- ❑ Chandara Prabha Wildlife Sanctuary situated in Chandauli district, in the southeastern division of Uttar Pradesh.
- ❑ The Sanctuary is spread between the area, Chakia and Naugarh, having rich vegetation over an area of 78 square kilometres.
- ❑ The area lies between the latitude $24^{\circ}52'0''N$ to $25^{\circ}3'55''$ and longitude $83^{\circ}03'24''E$ to $83^{\circ}22'55''$.
- ❑ The Sanctuary was recognized in 1957 and it is the first declared Wildlife sanctuary of Uttar Pradesh. It was famous for the Asiatic Lion during 1957 to 1970.
- ❑ The place has also been gifted with attractive natural sceneries, picnic spots, intense forest, river and beautiful waterfalls like. Two waterfalls namely Rajdari and Devdari are famous for the picnic spot.





A photograph of a plant with a small yellow flower and green leaves, growing on a rock. The plant has a central stem with several branches, each bearing a cluster of small, round, green leaves. A single, bright yellow flower is in bloom at the top of the central stem. The background is a blurred green, suggesting a natural, outdoor setting. The plant is growing on a light-colored, textured rock surface.

Work done: Flora of Chandra Prabha Wildlife Sanctuary, Chandauli District, U.P.

Total no. of specimens collected: 700

Total photographs taken: 600

No. of specimens identified: 173 specimens

No. of species identified: 101 species

No. of species described: 90 species

Flora of Chhattisgarh Vol. 2
(Monocot)

Family: Poaceae

Period: 2016-18

Total no. of species to be described: 48 species

No. of species completed: 21

Summary

No. of Project carried out: 1 (Undergoing)

Nos. of Book written : NIL

No. of Papers published individually/first author as well as jointly/co-author:

Total : 21

As a Corresponding Author: 10

As a first as well as corresponding Author: 11

No. of Popular Hindi Articles: 06

No. of Conferences/ Seminars/ Workshop attended: 14

No. of Research Papers presented in Conferences/Seminar: 08

No. of Manuscript Reviewed for different National and International Journals: 06

No. of Invited Lectures delivered: 01

Names of new taxa, new combinations/names and new reports : NIL

ADMINISTRATIVE WORKS CARRIED OUT

Administrative work done at BSI, HQRS., KOLKATA (9 Oct., 2012 to 31 March, 2015)

☐ Prepared a scientific report on research scholars of BSI, since its inception and to converted it into booklet form.

Title: 'Role of BSI in capacity building in plant taxonomy'

Booklet includes all necessary information about research scholars and their project works.

After that I have been assigned in various scientific/administrative works of the BSI, Hqrs. including:

☐ Maintenance of records and communications regarding tour reports submitted by research scholars and scientific staffs of BSI, hqrs. and its regional centers and to prepare a scientific report for perusal of Senior Scientists.

☐ Maintenance of records and communications regarding monthly and quarterly progress reports submitted by different regional centres of BSI and its research scholars. Preparation of consolidated scientific report.



The background of the slide is a photograph of a wide, shallow river with brownish water. Several people are seen swimming in the water. The riverbanks are rocky and lined with green trees. A prominent red rectangular box is overlaid on the middle of the image, containing white text.

Maintenance of all records and correspondence related to “Assistance to Botanic Garden” scheme of Ministry of Environment, Forest and Climate Change, New Delhi.

To maintain records and correspondence related to ‘Research and Advisory Monitoring Committee’ of BSI and “All India Coordinated Project on Taxonomy” of Ministry of Environment, Forest

Administrative work done at BSI, CRC, ALLAHABAD
(1st April, 2015 to till date)

Verification of records of store items. Transfer of items from old stock register to new stock register.

Assistance in preparation of monthly and annual report of BSI, CRC, Allahabad.

Maintenance of Visitor Register.

Herbarium maintenance and other scientific work Done at BSI, CRC, Allahabad

- No. of specimens incorporated in herbarium: 1008
- No. of old specimens identified: 250
- No. of specimen (outside) authenticated: 61
- Carried out studies on the SEM BIOLOGY of 7 plant species.
- Assisted educational tour of students from various Colleges/Universities/ Medical Colleges.
- Supplied photographs of various plant specimens.

FUTURE PLANS

- Finalization and Submission of Project report of Flora of Chandra Prabha Wildlife Sanctuary, Chandauli District, Uttar Pradesh
- Completion and submission of description of allotted species (48) of family Poaceae of chhattisgarh.
- Study of SEM Biology of different plant species.





THANKS