



**GOVT. DR. WAMAN WASUDEV
PATANKAR
GIRLS' P.G. COLLEGE
DURG (C.G.)**



**DEPARTMENT OF BOTANY
AND MICROBIOLOGY**



Dr. Usha Chandel
Asst. Prof & HOD

Dr. Sushil Chandra Tiwari
(Principal & Patron)

Dr M. Laxmi Prasuna
(Asst. Prof.)

Ms. Sarika Tandon
Guest Faculty

Mrs. Kavita Vaishnav
Contractual Faculty


Lab/Supportive Staff
Shri L. D. Sahu (Lab Technician)
Shri Santosh Shukla (Lab Attendant)

The Importance of Studying the Subject




- ✓ Plants are essential to life on earth
- ✓ Primary food source for humans and other animals
- ✓ Provide fuel, replenish the Earth's oxygen and prevent soil erosion
- ✓ Slow down wind movements and cool the atmosphere
- ✓ Provide wild life habitat and supply medicinal compounds
- ✓ Above all beautify our surroundings



VISION

- *Develop interest & enthusiasm amongst the students towards the subject*
 - *Attain excellence in Teaching & Research as well*
 - *To explore & not to exploit the plant world*
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MISSION

- 
- *Apply conventional & non-conventional tools to understand plant process*
 - *Develop human resource with expertize in frontier areas of plant science*
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PROGRAMS OFFERED AND YEAR OF ESTABLISHMENT

Under-graduate 1983

B.Sc Part 1/2/3 (Biology)

Botany-Zoology-Chemistry

Under-graduate 2006

B.Sc Part 1/2/3

(Microbiology)

Botany-Microbio.-Chemistry

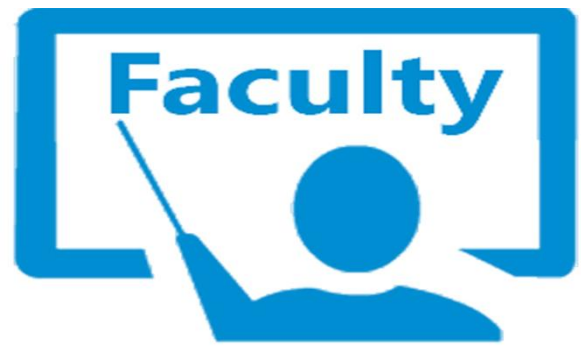
Post-graduate 2015

M.Sc. Botany Sem. 1/2/3/4

**Special Paper in 4th
Semester:**

**Elective - Molecular Plant
Pathology**





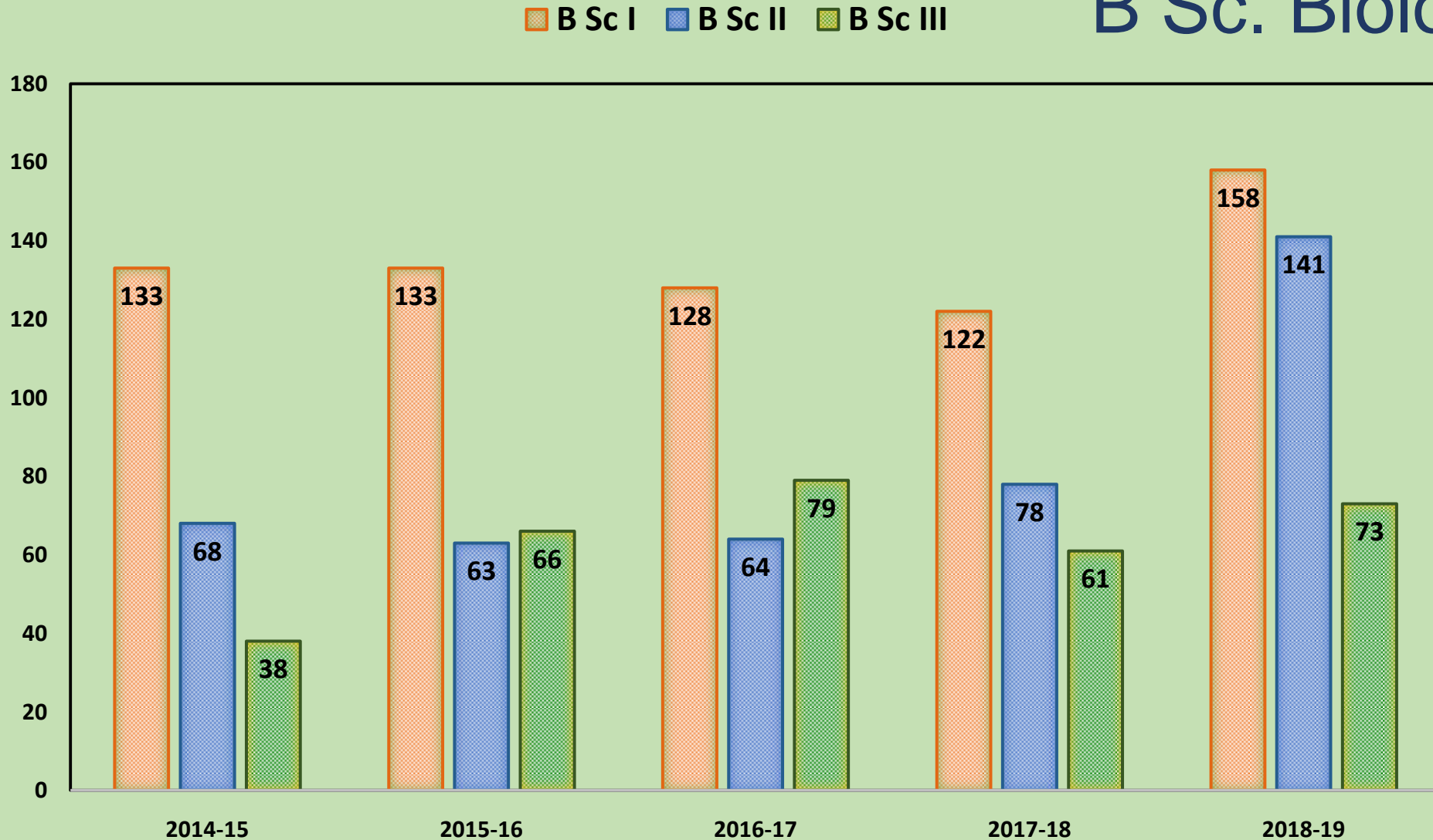
FACULTY POSTS

Post	Sanctioned	Filled
Professor	1	-
Asst. Professor	2	2
Guest Faculty	1	1
Contractual Faculty (Micro.)	1	1



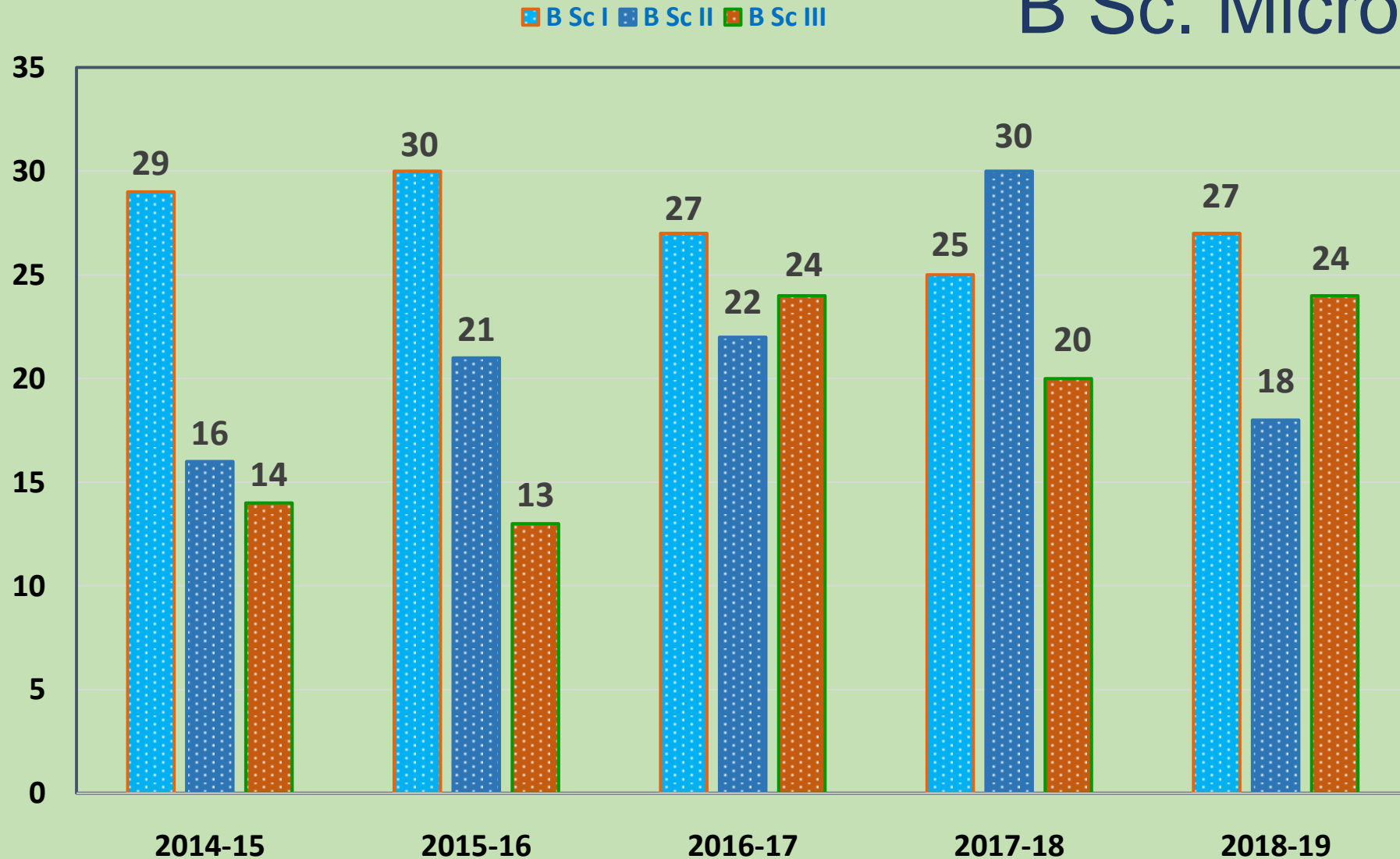
STUDENTS' STRENGTH (ADMITTED)

B Sc. Biology



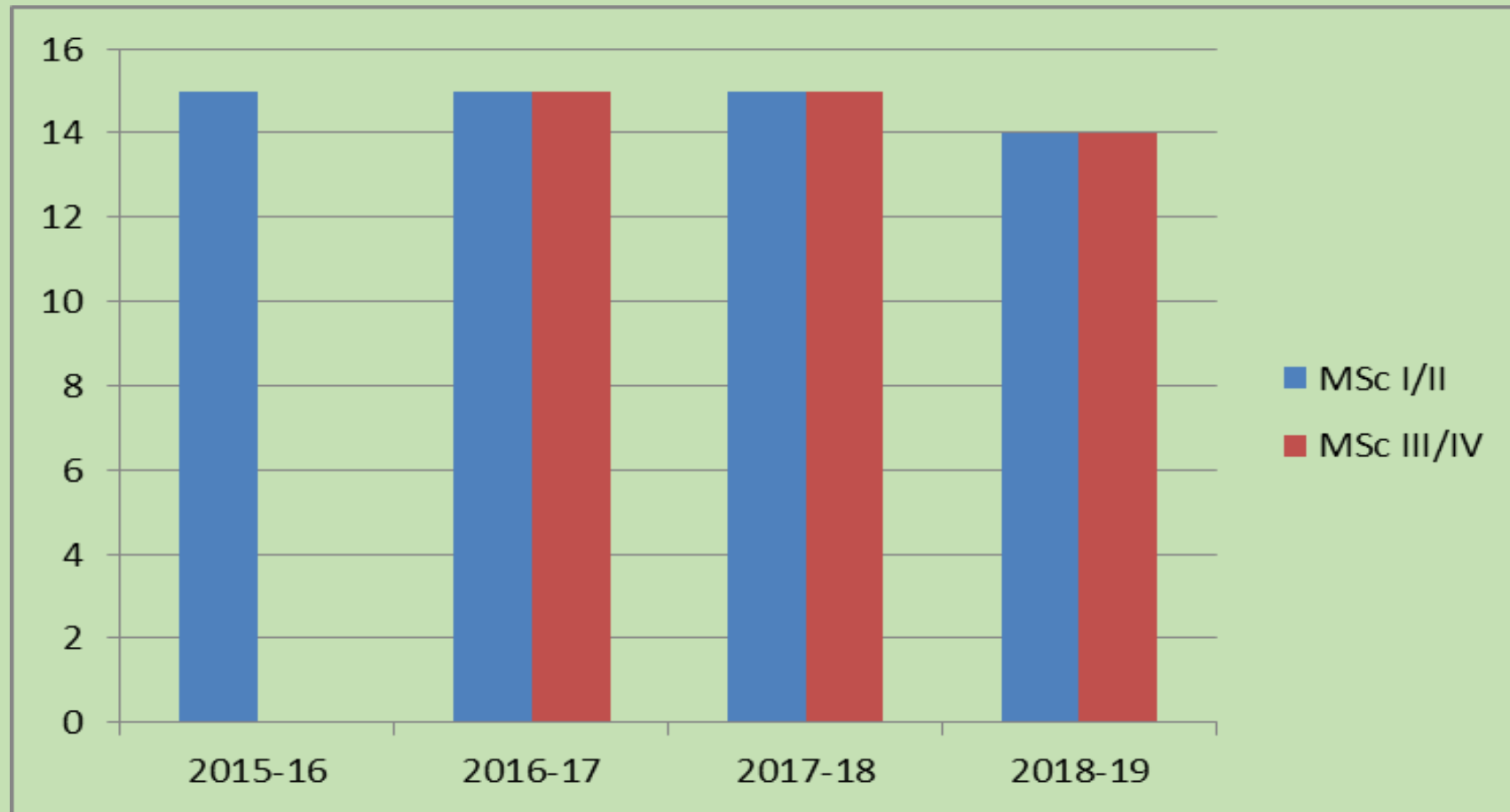
STUDENTS' STRENGTH (ADMITTED)

B Sc. Micro.



STUDENTS' STRENGTH (ADMITTED)

POSTGRADUATE



PROGRAM WISE TEACHER : STUDENT RATIO

YEAR	B.Sc. BIOLOGY	B.Sc. MICROBIOLOGY	M.Sc. BOTANY
2014-15	1:79	1:49	-
2015-16	1:87	1:55	1:05
2016-17	1:90	1:57	1:10
2017-18	1:87	1:62	1:10
2018-19	1:124	1:53	1:9

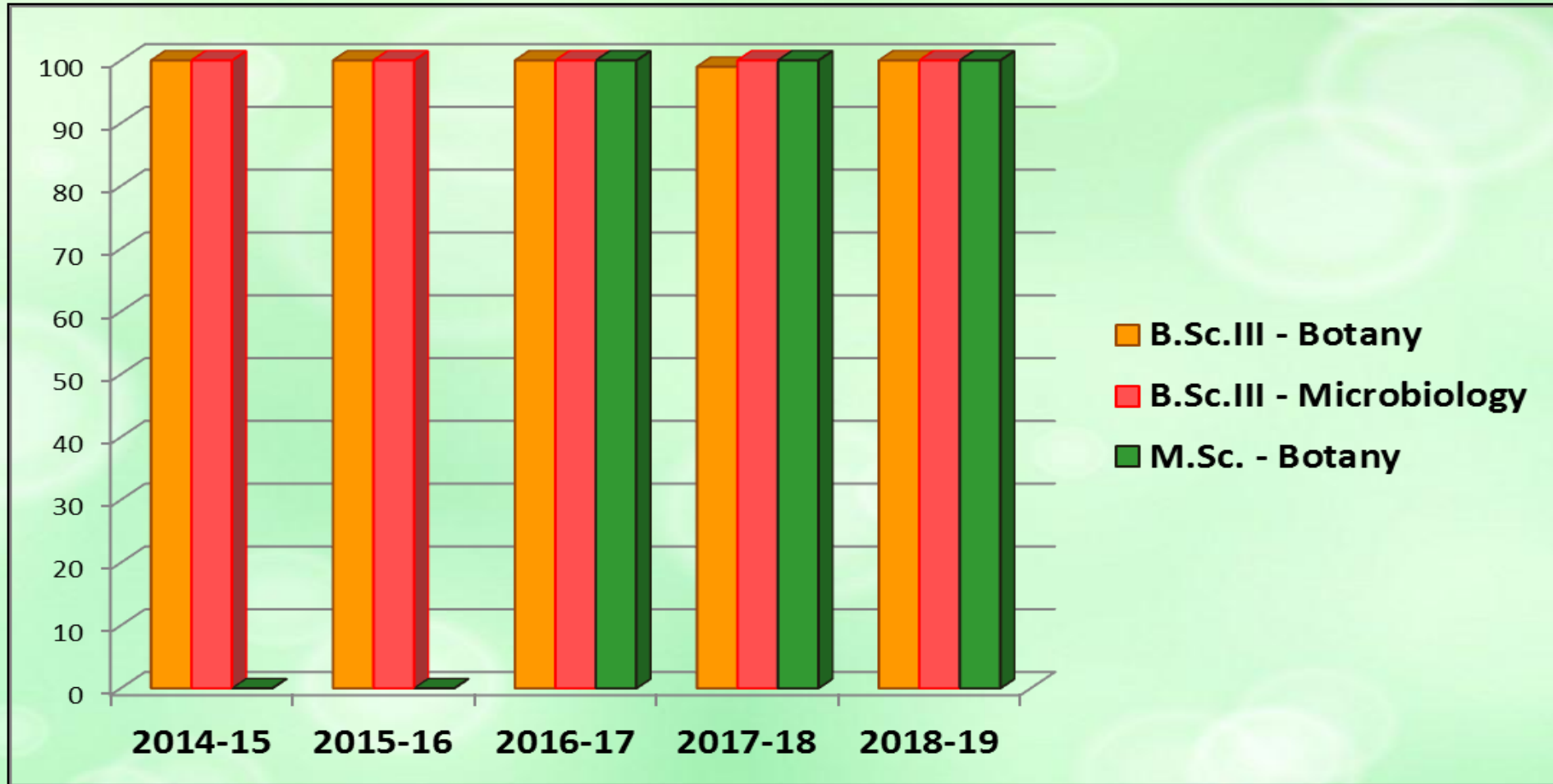
RESULT PASS PERCENTAGE



YEAR	U.G. (PART III) Botany	U.G. (PART III) Micro.	P.G. (IV SEM)
2014-2015	100%	100%	-
2015-2016	100%	100%	-
2016-2017	100%	100%	100%
2017-2018	99%	100%	100%
2018-2019	100%	100%	100%



RESULT PASS PERCENTAGE





MERIT STARS & TOPPERS POST GRADUATE



YEAR	NAME & POSITION OF STUDENTS	
2014-15		
2015-16		
2016-17 First Batch	Ms. Sarika Tandon	-8 th in Merit List – Ravishankar University, Raipur
2017-18	Ms. Sweta Singh Ms. Neha Yadu Ms. Mithlesh Ms. Damin Deshmukh	- 2nd in merit list Hemchand Yadav University, Durg - 3rd in merit list Hemchand Yadav University, Durg - 8th in merit list Hemchand Yadav University, Durg - 9th in merit list Hemchand Yadav University, Durg
2018-19	Ms. Anju Khobragade Ms. Mamta Verma Ms. Tara Sinha	- 5th in merit list Hemchand Yadav University, Durg - 8th in merit list Hemchand Yadav University, Durg - 9th in merit list Hemchand Yadav University, Durg



FACULTY PROFILE



NAME	DESIGNATION	QUALIFICATION	SPECIALIZATION	EXPERIENCE (years)	
				UG	PG
Dr. Usha Chandel	AP & HOD	M.Sc. (Gold Medalist) Ph.D	Plant Pathology	35	3
Dr. M Laxmi Prasuna	AP	M.Sc., Ph.D	Plant Pathology	30	3
Ms. Sarika Tandon	Guest Faculty	M.Sc.	Plant Pathology	2	2
Mrs. Kavita Vaishnav	Contractual Faculty	M.Sc.	Micro Bio.	4	-

FACULTY PROFILE

Dr Usha Chandel

(Asstt. Professor & Head of Department)

- Qualification** : **M.Sc. Botany**
(Gold Medalist); B.Ed.; PhD.
- Specialization** : **Plant Pathology**
- Experience** : **35 Yrs.**
- Expertise Area** : **Plant Pathology, Plant Taxonomy, Env. Biology**
- Convener** : **2 (1-National Workshop, 1-National Seminar)**
- Member of BOS** : **7**

Dr Usha Chandel

Accomplishments



- ❖ **Research publications** : **16 (National-07,International-09)**
- ❖ **Research compendium** : **1 (as an Editor)**
- ❖ **Book Chapter** : **1**
- ❖ **Research Paper Presentation** : **2 (1-International & 1 National Conference)**
- ❖ **Life Membership** : **1 (Flora and Fauna)**
- ❖ **Conferences Participation** : **National-36, International-4**
- ❖ **Workshops Participation** : **National-13**
- ❖ **Radio Talk** : **3 Talks on various topics in All India Radio**
- ❖ **Others** : **Vice Chancellor's Nominee of an Interview Committee for the selection of Asstt. Prof. Microbiology - 2019**



Appointed as a Member of Inspection Committee for the affiliation of new classes and new courses – 2017; 2018 and 2019

Invited as Judge in State Level Child Science Congress-2015

FACULTY PROFILE

Dr. M. Laxmi Prasuna

Qualification	: M.Sc. Botany; PhD.
Specialization	: Plant Pathology
Experience	: 30 Yrs.
Expertise Area	: Plant Pathology, Microbiology,
Organizing Secretary	: 2 (1-National Workshop, 1-National Seminar)
Member of BOS	: 1
Research Publication	: 12
Life Memberships	: 2
Conference Participation	: 29



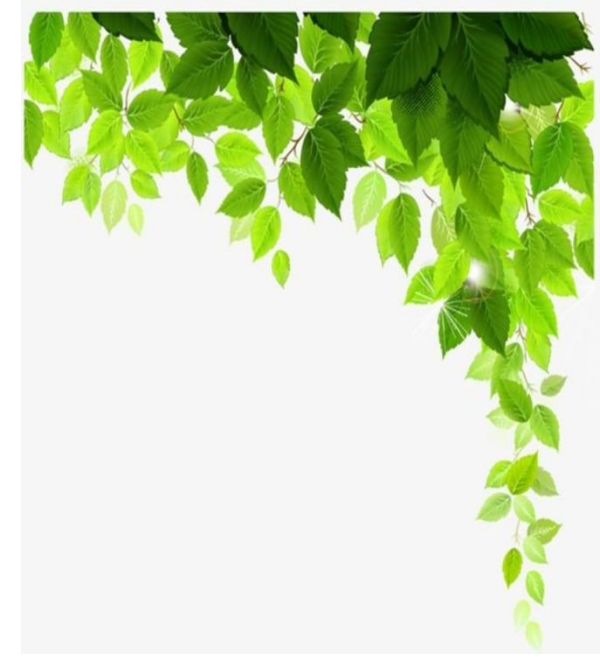
**PARTICIPATION OF FACULTY IN
ACADEMIC EVENTS
(SEMINARS / CONFERENCES / WORKSHOPS)**

Year	Dr. Usha Chandel	Dr. M L Prasunna	Ms. Sarika Tandon	Mrs. Kavita Vaishanv
2014-2015	6	6	-	-
2015-2016	5	3	-	-
2016-2017	8	5	2	2
2017-2018	5	2	-	-
2018-2019	1	1	-	2

TOTAL - 48



PLACEMENTS



Dr Vandana Dhandore	: Asstt Prof. Botany (PSC Selected)
Radhika Yadav	: Teacher
Khyati Rawte	: Teacher
Sarika Tandon	: Guest Faculty
Neha Yadu	: Teacher
Pushpa Packra	: Govt. Lecturer

EXCURSION TOURS & EDUCATIONAL VISITS

**Govt. V Y T P G Autonomous College, Durg -
To learn Plant Tissue culture techniques**

Maitri Bagh , Bhilai -To study the Flora

**Fermentation Unit & Mushroom cultivation centre,
Agriculture College, Kawardha -
To study Mushroom Culture**

**Bhoramdev, Saroda Dam, Rajim, Ghatarani –
To study Flora & Material Collection**



DEPARTMENTAL ACTIVITIES

ACTIVITY		2014	2015	2016	2017	2018	2019
Internal Seminar / Students PPT	U.G.	15	12	21	20	25	59/23
	P.G.	-	15	30	30	30	28
Guest Lecture		5	3	-	11	4	5
Competitions		1	-	-	-	-	1
Excursions/ Education Tours / Study Visits		1	1	1	1	1	3
Get –together		3	3	3	3	3	3
Other activities if any		-	-	2	2	2	2



SWOC

Strength

Excellent results both in UG & PG Classes

Dedicated faculty members

Effective Teaching- Learning Process

Personal Counselling

Weakness

Inadequate Laboratory space for both Botany & Micro biology

Teacher student ratio is not as per the norms

Lack of enough faculty & supportive staff



Strength

Weakness

SWOC

Opportunity

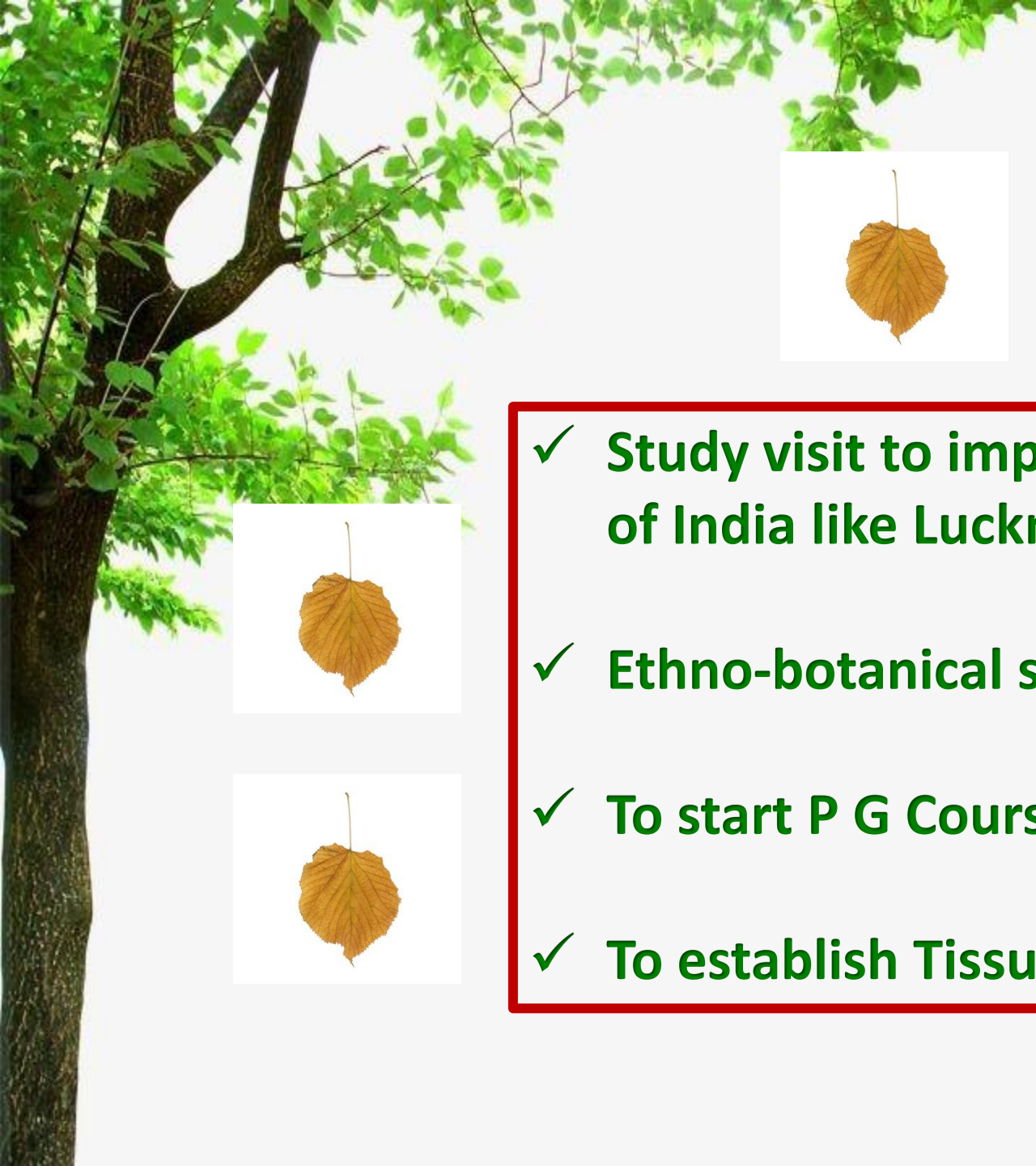
Opportunities

- ❖ To Provide career opportunities in different fields of Micro biology, Environment Science, Horticulture & Forestry
- ❖ To arrange specialized training programs by the faculty
- ❖ More scope to use modern technology

Challenges

Challenges

- ❖ Department needs regular post for Micro biology
- ❖ To coordinate between UG & PG teaching systems (Annual & Semester Schemes)
- ❖ Separate Laboratory setups & spacious classrooms for PG students.



- ✓ **Study visit to important National Parks & Herbaria of India like Lucknow & Kolkata**
- ✓ **Ethno-botanical studies of Chhattisgarh**
- ✓ **To start P G Course in Micro Biology**
- ✓ **To establish Tissue Culture Lab**

PHOTOGRAPHS



Eco-Activity at Maitry Bagh



Ecological study at Maitry Bagh





National Seminar Organized by Botany Department



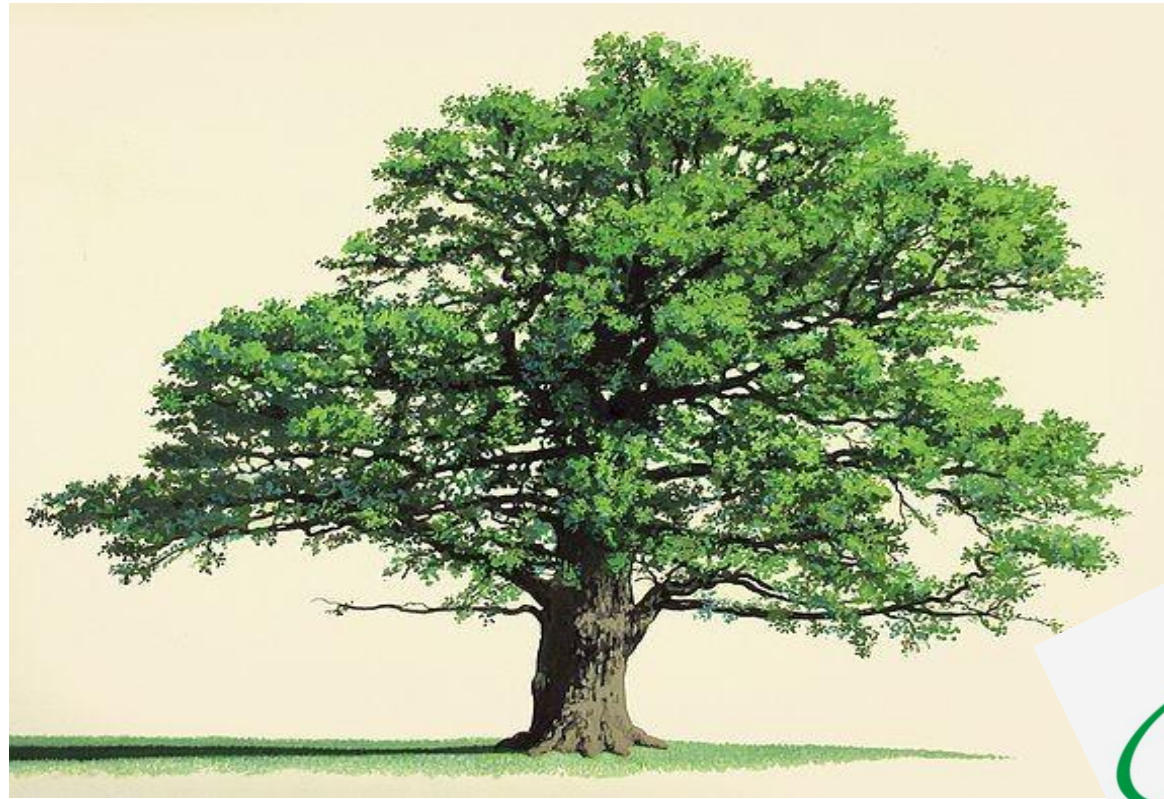
Bonsai Preparation Demonstration by The Guest Expert



Mushroom Cultivation Demonstration by The Expert



National Workshop Organized by Botany and Microbiology Deptt.



*Thank
You*

**Trees on--
Global warming gone!**