



# POST GRADUATE DEPARTMENT OF BIOSCIENCES

## UGC-CAS and DST FIST Sponsored

### SARDAR PATEL UNIVERSITY

### VALLABH VIDYANAGAR



**1958:** Established as Department of Botany  
**1977:** recognised as Department of Biosciences  
**1978:** M Sc Lifesciences, Microbiology  
**1987:** M Sc Biochemistry  
**1992:** M Sc Zoology  
**1998:** Biotechnology  
**2005:** Shifted to current campus

**Lush green Campus**  
**Established laboratories and infrastructure, Library**  
**ICT enabled classrooms**  
**Canteen Facility**  
**Student Society and Alumni**  
**Study tours and Field visits**



**Research Recognitions**  
**1981:** UGC DRS  
**1995:** UGC DRS II  
**2000:** UGC SAP  
**2001:** DST FIST I  
**2001:** UGC-COSIST  
**2007:** UGC SAP DSA II  
**2009:** FIST II  
**2010:** DBT Excellence  
**2015:** UGC CAS  
**2018:** FIST III

**Last 5 years**  
**Research Papers: 137**  
**Research Funds: 2.22 Crore**  
**Ph D Completed: 37**



# Availability of seats in various Programmes

## Academic Programmes

## Curriculum Design

### Credits per semester

Paper	Credits (Per paper)	Total credits (Each Semester)
Theory (04)	04	16
Practical (02)	04	08
Viva-voce (01)	01	01
<b>TOTAL</b>		<b>25</b>
<b>Total Credit for a course</b>		<b>25 × 4 = 100</b>

### COURSE

### INTAKE OF STUDENTS

M.Sc. Biochemistry	17 GIA + 7 SF
M.Sc. Botany	17 GIA + 7 SF
M.Sc. Biotechnology (SF)	22 SF
M.Sc. Microbiology	17 GIA + 17 SF
M.Sc. Zoology	17 GIA + 7 SF
<b>Intake of M.Sc. students</b>	<b>140 per academic year</b>
<b>Total number of M.Sc. students</b>	<b>280 per academic year</b>

- Ph.D. programme (full time & Part time) offered in above disciplines as well as Bioinformatics

Link for More details:

<https://www.spuvvn.edu/academics/departments/bio-sciences/academic-programmes/>

- **Continuous Evaluation through Internal (30%) and External (70%)**
- **Seminars, Quizzes, Tests, Attendance**



# Programs and Fees Structure

Programs	Programme Type	Intake	Fees				
			1 <sup>st</sup> Sem	2 <sup>nd</sup> Sem	3 <sup>rd</sup> Sem	4 <sup>th</sup> Sem	PS/PY
<b>Master of Science (Zoology)</b>	Grant In Aid	16	3430	2510	2530	2510	<b>PS</b>
	Self-Finance	6	24800	24000	24000	24000	<b>PS</b>
<b>Master of Science (Biochemistry)</b>	Grant In Aid	16	3430	2510	2530	2510	<b>PS</b>
	Self-Finance	6	26600	25800	25800	25800	<b>PS</b>
<b>Master of Science (Biotechnology)</b>	Self-Finance	20	26600	25800	25800	25800	<b>PS</b>
<b>Master of Science (Botany)</b>	Grant In Aid	16	3430	2510	2530	2510	<b>PS</b>
	Self-Finance	6	24800	24000	24000	24000	<b>PS</b>
<b>Master of Science (Microbiology)</b>	Grant In Aid	16	3430	2510	2530	2510	<b>PS</b>
	<b>Self-Finance</b>	<b>16</b>	<b>26600</b>	<b>25800</b>	<b>25800</b>	<b>25800</b>	<b>PS</b>



## Current Faculty Members

Faculty Member	Designation	Exp. in Years	No. of Citations	h-index	I10 index
Dr. U. B. Trivedi	Professor	32	1872	18	28
Dr. H. R. Keharia	Professor	26	1726	19	30
Dr. V. R. Thakkar	Professor	25	1042	21	36
Dr. Hetalkumar Panchal	Professor	17	192	7	04
Dr. Akshaya Gupte	Associate Professor	25	2116	24	37
Dr. Kalpesh Ishnava	Associate Professor	15	357	9	8
Mr. Dinesh Vasava	Assistant Professor	05	04	01	00
Miss Poonam Bhagriya	Assistant Professor	01	16	02	00

**Faculty Link:** <https://www.spuvvn.edu/academics/departments/bio-sciences/faculty/>



## Ad-hoc Faculty Members

Faculty Member	Designation	Exp. in Years	No. of Citations	h-index	I10 index
Dr. Kunal R. Jain	Assistant Professor	02	1275	17	21
Dr. Rupal A. Vasant	Assistant Professor	10	192	09	08
Dr. Kaushik A. Jodhani	Assistant Professor	05	34	02	01
Dr. Radhika K. Patel	Assistant Professor	02	04	01	00
Dr. Bhumi Bhatt	Assistant Professor	01	42	02	01

**Faculty Link:** <https://www.spuvvn.edu/academics/departments/bio-sciences/faculty/>

# Infrastructure & Facilities



1. Central Instrumentation Facility; 2. Central Microscopy lab; 3. Botanical Garden; 4. Herbarium; 5. Library; 6. Computer lab; 7. Plant tissue culture lab; 8. Animal House

- |    |                                 |    |                       |
|----|---------------------------------|----|-----------------------|
| 07 | Class rooms with ICT facilities | 10 | M. Sc. Laboratories   |
| 15 | Cabins for Faculty              | 10 | Research Laboratories |
| 08 | Central Facilities              | 01 | Ladies Common Room    |
| 01 | Presentation Room               | 01 | Meeting Room          |
| 01 | Central RO System               | 01 | Administrative Office |
| 01 | Conference Hall                 | 01 | Animal House          |

**Ramp and Wheel Chair Facility for differently abled candidates**

**Infrastructure Link: <https://www.spuvvn.edu/academics/departments/bio-sciences/facilities-2/>**



# Student Placement

Year	Placement
2016-17	08
2017-18	08
2018-19	08
2019-20	10
2020-21	11
2021-22	08
2022-23	07
<b>Total</b>	<b>60</b>

- **Various reputed companies hire students from our department.**
- **Following is the list of companies with annual salary offered**
- "Omni BRX Biotechnologies Pvt. Ltd. Ahmedabad" -3 Lakhs
- "Zydus Life Sciences Ltd. Ahmedabad"- 3 to 6 Lakhs
- "Chiron Behring Vaccines Pvt. Ltd. Ankleshwar "- 2.03 Lakhs
- Healthcare Formulations Pvt. Ltd., Vadodara – 2 Lakhs
- P.H.C.Bhadrava, savali- 2 Lakhs
- Synbiotics Ltd. Vadodara- 2.25 Lakhs
- Department of fisheries, Gujarat- 2 Lakhs
- Zytex Biotech Pvt. Ltd.- 1.5 Lakhs
- Meril Lifesciences Pvt. Ltd.- 1.56 Lakhs

# Campus Diversity \_ Flora & Fauna



Species	Numbers
Plants	149 (89 trees)
Moths	13
Wasps	04
Mantis	03
Beetles	08
Spiders	72
Ants	10
Butterflies	67
Other unidentified insects	24
Reptiles	17
Birds	93
Mammals	06
Total	466

Link to Diversity: <https://www.spuvvn.edu/academics/departments/bio-sciences/campus-diversity/>



# A glimpse of student activities

