

**SHRI. SHIVAJI ART'S, COMMERCE &
SCIENCE COLLEGE, AKOT, DIST. AKOLA**
DEPARTMENT OF ZOOLOGY



WEL-COME

**THE ESTEEM MEMBERS OF THE
PEER TEAM**

ESTABLISHMENT

- With the need to have the facility of higher education in Zoology expressed by Guardians, Students and the Management of the college.
 - The department was annexed to the already existing science stream of this college in 1988.
-
- ❖ **Undergraduate – B.Sc. - July 1988**
 - ❖ **Research – Ph. D. - April 2004**
 - ❖ **Career oriented Program- Vermicomposting -June 2012**
 - ❖ **Value Added Program – Water Analysis, Fish Feed Formulation - June 2015**

MISSION

- To provide the quality based higher education in Science to the socio-economically weaker sections of the society.
- The department is striving to educate the students in the different branches of the life sciences (Zoology) .
- The department also preparing the students to explore their capacities in concern of competitive world.
- To create the most responsible and vigilant citizens of the nation.

INFRA-STRUCTURE

- **Built-Up Area** : **111.50 sq.m.**
- **Staff Room** : **02**
- **Laboratory** : **02** (UG & Research)

PROGRAMS

- ❖ **Undergraduate** – B.Sc. Part I, II & III (Semester pattern)
- ❖ **Research** – Doctor of Philosophy (Regular Mode)
- ❖ **Career oriented Program-** Vermicomposting
- ❖ **Value Added Program** – Water Analysis, Fish Feed Formulation

FACULTY

- ❖ Number of Post Sanctioned – 06
- ❖ Number of Post Filled – 02 (2018-19)

Name	Designation	Qualification	Duration as Head
Dr. Neha V. Bhatkar	Associate Professor	M.sc., Ph.D.	Up to 2015
Dr. Vijay B. Bhagat	Associate Professor	M.sc., Ph.D.	2015-2018/ Present
Dr. R. G. Jadhav	Associate Professor	M.sc., Ph.D.	2018-19
Mr. Rajesh S. Mankar	Assistant Professor	M.Sc. M.Phil.	-

- ❖ An Average CHB faculties used per year – 04

Dr. Neha V. Bhatkar, Associate Professor



Specialization	:	Mammalian Rep. Physiology
Thrust areas	:	Toxicology, Immunology, Arachnology
Teaching experience	:	28 years
Research experience	:	18 years
Publications	:	25
International conf. Participation	:	05
National conf. Participation	:	19
Workshop Participation/presentations	:	08
National training course	:	02
No. of Ph.D.	:	0 1 Awarded
No. of M. Phil	:	01
Students registered for Ph.D.	:	02
MRP:	:	Completed 01 (65000/-), Ongoing (7,51000/-)

Dr. Vijay B. Bhagat, Associate Professor



Specialization	:	Mammalian Rep. Physiology
Thrust areas	:	Limnology
Teaching experience	:	27years
Research experience	:	12 years
Publications	:	25
International conf. Participation	:	05
National conf. Participation	:	19
Workshop Participation	:	08
National training course	:	02
No. of Ph.D.	:	Thesis submitted -02
MRP:	:	Completed 01 (1,10,000/-)

Dr. R. G. Jadhav, Associate Professor



Specialization	:	Mammalian Rep. Physiology
Thrust areas	:	Limnology
Teaching experience	:	27years
Research experience	:	12 years
Publications	:	25
International conf. Participation	:	05
National conf. Participation	:	19
Workshop Participation	:	08
National training course	:	01
No. of Ph.D.	:	Awarded 03/ Thesis submitted -01
No. of M. Phil	:	00
Students registered for Ph.D.	:	03

Dr. R. S. Mankar, Assistant Professor



Specialization	:	Mammalian Rep. Physiology
Thrust areas	:	Limnology
Teaching experience	:	18 years
Research experience	:	18 years
Publications	:	18
International conf. Participation	:	03
National conf. Participation	:	12
Workshop Participation	:	03
National training course	:	01
MRP:	:	Completed 01 (90,000/-) 2015

NEW APPOINTMENTS

❖ Number of New Post Filled – 04 (2019-20)

			
Dr. Amar L. Shelekar M.sc., M.Phil., Ph.D. Assistant Professor	Dr. Prasanna S. Joshi M.sc., M.Ed., Ph.D. Assistant Professor	Ms. Snehal G. Rodge M.sc., M.Phil., NET Assistant Professor	Mr. Pavan R. Thakare M.sc., SET, NET Assistant Professor

NON- TEACHING STAFF

- **Ms. L. B. Sanap** (Laboratory Assistant)

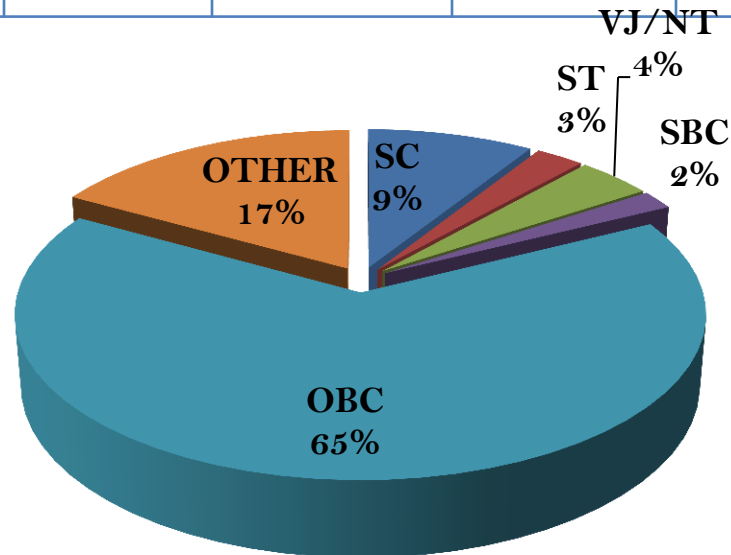
- **Mr. D. M. Jakate** (Laboratory Attendant)

STUDENT'S ADMISSION PROFILE

Year	B.Sc. I		B.Sc. II		B.Sc. III		Total		Gender Ratio
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
2014-15	48	79	22	64	20	61	90	204	1:2.3
2015-16	93	43	31	65	21	68	145	176	1:1.2
2016-17	49	94	28	90	23	50	183	146	1;0.8
2017-18	63	109	14	88	22	68	99	265	1:2.7
2018-19	58	103	37	89	10	86	105	278	1:2.6

STUDENT'S SOCIAL PROFILE

Year	SC	ST	VJ/NT	SBC	OBC	OTHER
2014-15	26	07	09	05	198	49
2015-16	30	09	16	05	221	40
2016-17	18	04	14	02	84	21
2017-18	39	07	05	06	193	71
2018-19	42	09	22	07	237	66
2019-20	37	05	08	05	249	69



UNDERGRADUATE (B.SC.) PAPERS

Part	Semester	Paper
1	I	Life & Diversity of Non- Chordata
	II	Cell & Developmental Biology
2	III	Life & Diversity of Chordata, Concept of Evolution
	IV	Advanced Genetics & Animal Ecology
3	V	Animal Physiology & Applied Zoology
	VI	Molecular Biology & Biotechnology

RESEARCH (PH.D.) STUDENTS

Dr. Neha V. Bhatkar (Supervisor)		Dr. Vijay B. Bhagat (Supervisor)	
Researcher	Status	Researcher	Status
Ms. Shweta A Fate	Awarded	Ms. Sonali P. Chapke	Submitted
Ms. Gayatri R. Pacahde	Submitted	Ku. Anagha P. Hingankar	In Progress
Mr. Bhushan A. Thakur	In Progress		

LEARNING RESOURCES

- A. Equipments – Water analysis kit, oven, rocking and rotary microtome, centrifuge, research microscope, phase contrast microscope, refrigerator, haemoglobinometer, haemocytometer, sphygmomanometer, etc.
- B. Apparatus and glassware
- C. Charts and Posters
- D. Departmental library (hard and Soft Copies of Book)
- E. Lecture handouts
- F. Museum
- G. ICT resources- Computer, projectors, CD's and DVD's, internet, printer etc

BUDGET ALLOCATION (Rs.)

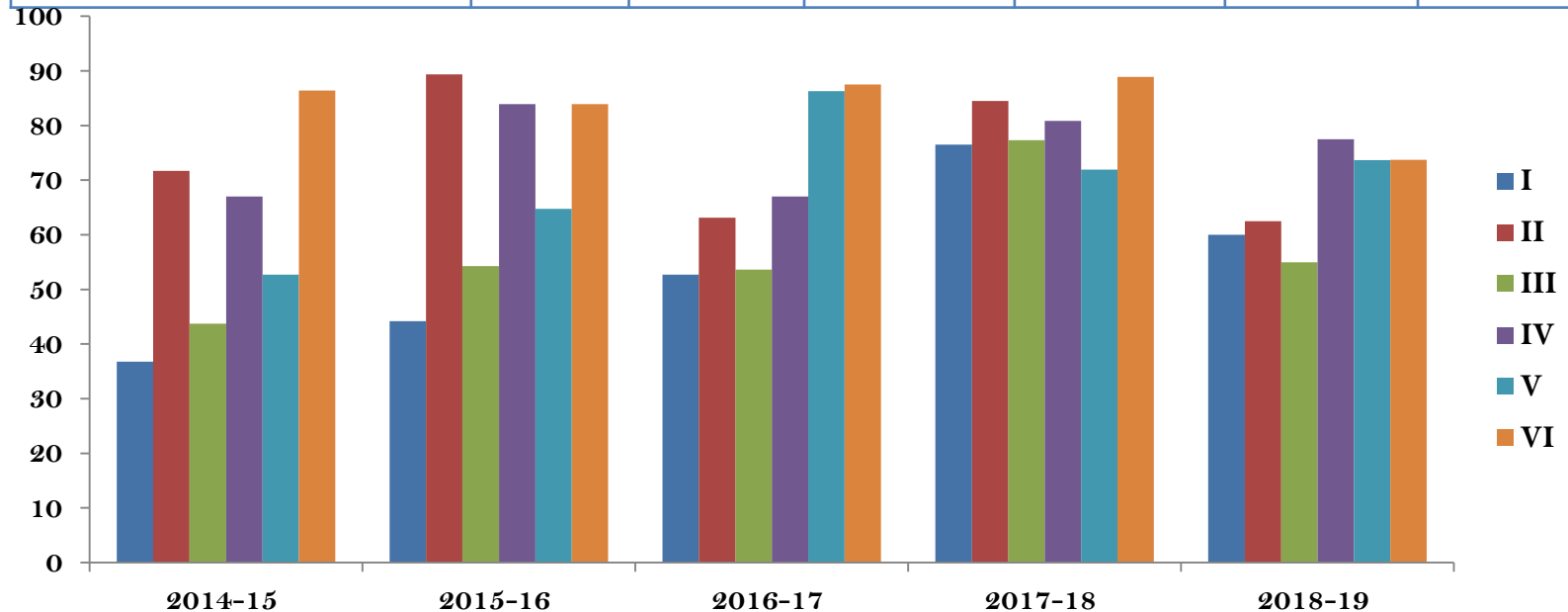
Session	Student Budget	UGC Amount	Total
2014-15	60,000	NIL	60,000
2015-16	65,000	NIL	65,000
2016-17	70,000	NIL	70,000
2017-18	85,000	NIL	85,000
2018-19	90,000	NIL	90,000
2019-20	90,000	NIL	90,000

TEACHING-LEARNING METHODS

- A. Lecture using Black Board and LCD Projector**
- B. Practical Demonstration**
- C. Other Teaching Aids- Charts, Posters, Models, ICT, etc.**
- D. Seminars and Group Discussion**
- E. Study tours and field visits**

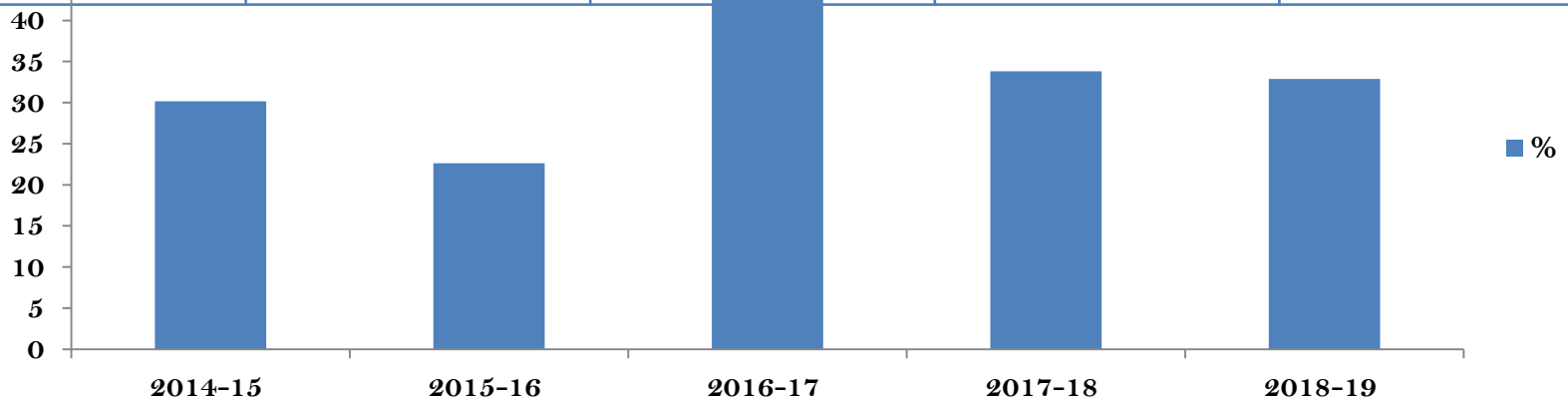
SUCCESS RATE (%)

Program: B.Sc.	Semester					
	I	II	III	IV	V	VI
2014-15	36.79	71.69	43.75	67.02	52.70	86.41
2015-16	44.18	89.36	54.25	83.90	64.77	83.90
2016-17	52.67	63.15	53.63	67.02	86.30	87.50
2017-18	76.53	84.50	77.31	80.85	71.91	88.88
2018-19	60.00	62.50	54.95	77.50	73.68	73.71



DROPOUT RATE

Year of Admission to B.Sc. I	No. of Students Admitted	Year of Admission to B.Sc. III	No. of Students Admitted	Drop Out %
2012-13	116	2014-15	81	30.17
2013-14	115	2015-16	89	22.61
2014-15	127	2016-17	73	42.52
2015-16	136	% 2017-18	90	33.82
2016-17	143	2018-19	96	32.87



MERITS

Sr. No.	Name of Student	Merit Position	Year
1	Mr. T. R. Kale	10	1992
2	Ms. V. B. Mohod	07	1994
3	Ms. T. R. Nichal	04	1996
4	Ms. R. V. Nagmote	01	1999
5	Mr. N. S. Chandan	05	1999
6	Mr. S. A. Mankar	08	1999
7	Mr. A. S. Mahalle	01	2000
8	Ms. N. J. Kotak	07	2005
9	Ms. A. A. Sogasane	10	2007
10	Ms. T. P. Sawarokr	09	2011
11	Ms. S. V. Takalkar	08	2015
12	Ms. P. M. Mahalle	03	2016
13	Mr. N. N. Wahurwagh	08	2016
14	Ms. N. N. Raibole	06	2017
15	Ms. N. M. Akotkar	05	2018

RESEARCH ACTIVITY (2012-19)

- No. of research papers in Journal -**33**
- No. of Conference / Workshops.- 38
- Ph.D. - Awarded **01** / Submitted **02** / Progress **02**
- M.Phil. - Awarded **01**
- Major Research Project – **01** (Completed)
- Minor Research Project -**02** (Completed)

FACULTY EXPOSURE TO ADVANCEMENT

- **Active participation seminars, conferences, symposia and workshops.**
- **Training, Refresher, Orientation Courses**
- **Use of ICT Tools**
- **Interaction with peers**

FACULTY EXPOSURE TO ADVANCEMENT – PARTICIPATION / PRESENTATION (2014-19)

Faculty	Participation in Conference /Seminar/Workshops		Research Papers Publications / Presentation	
	National	International	National	International
Dr. N. V. Bhatkar (2014-16)	02	01	00	03
Dr. R. G. Jadhao (2018-19)	02	00	00	04
Dr. V. B. Bhagat (2014-18 & 2019)	07	03	00	10
Mr. R. S. Mankar (2014-19)	05	02	00	06

RESEARCH PROJECTS

Faculty	Topic	Amount Sanctioned	Duration	Status
Dr. N. V. Bhatkar	Development and synthesis of UV lamp phosphors and study of UV radiation on same mammals	UGC 65000/-	2005-08	Completed
	Synthesis, characterization and study of nano-biocomposites and hybrid biomaterials	UGC 7,51000/-	2011-14	Completed
Dr. V. B. Bhagat	Present environmental status of Lacustrine ecosystem of saline belt region of Vidarbha , in Akola District.	UGC 1,10000 /-	2013-15	Completed
Mr. R. S. Mankar	Haemotoxicity of heavy metal copper and zinc in fresh water fish <i>Channa punctatus</i> (Bloch)	UGC 90000/-	2010-12	Completed

FACULTY CONTRIBUTION TO UNIVERSITY WORKING

Faculty	Activity
Dr. N. V. Bhatkar	<ol style="list-style-type: none">1. Chairman of Board of Studies (Zoology)2. Member of Board of Studies (Zoology)3. Member of Board of Examination (Zoology)4. Exam Paper moderation & evaluation5. Member of Placement Committee6. Examiner of Practical Examination
Dr. V. B. Bhagat	<ol style="list-style-type: none">1. Officer In-Charge of University Examination2. Examiner of Practical Examination3. Exam Paper moderation & evaluation4. Member of Selection (recruitment) Committee5. Member of Placement Committee6. Member of Board of Studies (Zoology)
Mr. R. S. Mankar	<ol style="list-style-type: none">1. Examiner of Practical Examination2. Exam Paper evaluation

FACULTY CONTRIBUTION TO OTHER ORGANIZATION

Faculty	Member of
Dr. N. V. Bhatkar	<ol style="list-style-type: none">1. Indian science congress, Calcutta2. NUTA3. Arachnological Society Of India4. Society For Biomaterial And Artificial Organs, India5. All India Association For Educational Research
Dr. V. B. Bhagat	<ol style="list-style-type: none">1. Indian association of aquatic biologist2. NUTA3. DATA
Mr. R. S. Mankar	<ol style="list-style-type: none">1. NUTA2. Zoologist Welfare Association, India

EXTENSION ACTIVITIES

- **Blood donation camp**
- **Blood group identification and Blood pressure camp**
- **Awareness Campaign for Eco-friendly festivals**
- **Water for bird and save sparrow campaign**
- **Awareness Campaign for Snake conservation and Snake bite management**
- **Social welfare activities with NSS of college**

EXTRA- CURRICULAR ACTIVITIES

- **Celebration of Wild Life week**
- **Films and Slide Shows**
- **Mimes and Musical Plays**
- **Road shows**
- **Quiz, elocution, seminar competition**
- **Photo exhibition on and poster presentation**
- **Tours and Excursions**

STUDENT'S PARTICIPATION IN INTER-COLLEGIATE COMPETITION (2014-2019)

Sr. No.	Name	Organizing Institute	Topic
01	Mr. Sumit Mirge	GVISH, Amravati	Bio-genius
02	Ms. Namrata Raibole	GVISH, Amravati	Bio-genius
03	Ms. Pranjali Bhagat	GVISH, Amravati	Bio-genius
04	Ms. Alka Puri	GVISH, Amravati	Bio-genius
05	Ms. Poonam Mahale	GVISH, Amravati	Bio-genius

HEALTHY PRACTICES

- **Strict follow of Academic calenderer**
- **Maintained Academic diary and other record**
- **Awards and Scholarships for Students**
- **Introductory/ foundation classes of Newly admitted students**
- **Maintenance of departmental wall magazine**
- **Academic and personal guidance to students**
- **Organization of different events for personality development**
- **Follow up of students progress with**

PROMINENT ALUMINI

Sr.	Name	Present Designation
1	Ms. Kusum B. Rathod	Account Officer, Zilla Parishad, Akola
2	Ms. Manisha A. Mahajana	Advocate
3	Ms. Rashmi V. Nagmote	Assistant Professor, Bharti Vidyapeeth, Pune
4	Dr. Sandip Chede	Assistant Professor, G. S. Gawande Collge, Umarkhed
5	Ms. Jaya V. Telgote	Assistant Professor, Govt. Polytechnic, Mumbai
6	Dr. Amol Rawankar	Assistant Professor, JagadambaMv., Achalpur
7	Ms. Jayashri Dhundhale	Assistant Professor, Jijamata Mv., Buldhana
8	Dr. Satyavijay Dhande	Assistant Professor, Murtizapur
9	Dr. R. P. Shirsat	Assistant Professor, R. G. Rathod College, Murtizapur
10	Mr. Kehsav U. Makode	Assistant Professor, Sarada College, Anjangaon
11	Mr. Prashant Gawande	Assistant Professor, SGBAU, Amravati
12	Ms. Jagruti V. Dhore	Assistant Professor, SGBAU, Amravati
13	Dr, Gayatri Pachade	Assistant Professor, Shivaji Sci. College, Amravati
14	Dr. Gajanan V. Korpe	Assistant Professor, Shri. Shivaji College, Akola
15	Mr. Shubham A. Rathod	Assistant Professor, Shri. Shivaji College, Akola
16	Dr. Santosh N. Patole	Assistant Professor, Shri. Shivaji College, Akot
17	Dr. Nutan Deshmukh	Assistant Professor, Shri. Shivaji College, Akot
18	Mr. Nagesh Nahate	Assistant Professor, Shri. Shivaji College, Akot
19	Mr. Bharat Nagare	Assistant Professor, Shri. Shivaji College, Akot
20	Ms. Ashwini Phokmare	Assistant Professor, Shri. Shivaji College, Akot
21	Dr. Santosh Thakre	Assistant Professor, Shri. Shivaji College, Nagpur
22	Ms. Vaishali G. Chaukhande	Head, Central Library, SGBAU, Amravati
23	Dr. N. S. Chandan	Research Associate, Oxford University, UK

PROMINENT ALUMINI

Sr.	Name	Present Designation
24	Mr. Shafique B. Patel	Jr. College Teacher, Akot
25	Mr. Haseeb Khan	Jr. College Teacher, Akot
26	Mr. Irfan A. Khan	Jr. College Teacher, Aurangabad
27	Mr. Tejrao R. Kale	Jr. College Teacher, Deolgaon raja
28	Ms. Kirti B. Kalbande	Jr. College Teacher, Krishi Vidyalaya, Akot
29	Mr. Sharad Mankar	Jr. College Teacher, Telhara
30	Mr. Sugat b. Thorat	Manager, GM Multiplex, Pune
31	Ms. Shailaja Dandale	Publicity Officer, Govt. of Maha., Nagpur
32	Ms. Varsha Berad	Sarva Shiksha Abhiyan, Zilla Parishad, Akola
33	Mr. Imran A. Khan	Teacher, Aurangabad
34	Ms. Mangala K. Telgote	Teacher, Govt. Residential School, Dahanoo
35	Ms. S. P. Dhabe	Teacher Akot
36	Ms. J. R. Pawar	Teacher Akot
37	Ms. V. U. Berad	Teacher Akot
38	Ms. A. G. Deshmukh	Teacher Akot
39	Ms. S. V. Medashikar	Teacher Akot
40	Ms. N. N. Razique	Teacher Akot
41	Ms. A. A. Zamare	Teacher Akot
42	Mr. M. M. Baig	Teacher Akot
43	Ms. G, M Aserkar	Teacher Akot

RETROSPECTION

Area	Accreditation	Reaccreditation
Qualified faculty	03- Ph.D. 02, M.Phil. 01	06- Ph.D. 03, M.Phil. 01, M.Phil. NET 01, SET NET 01
Research laboratory	No. of Seats 08 Limited Equipments	No. of Seats 08 Added few more equipments
Ph.D. registration	01	04
Research Publications	20	33
Conferences / Seminar / workshops	28	38
Research Projects	02 Major & 01 Minor	Nil
Participation in intercollegiate seminar	05	10
ICT facility	Available	Available

VISION PLAN FOR NEXT 5 YEARS

- **Extension to the present building of the department**
- **Organization of International Conference**
- **Development more advanced research laboratory**
- **Start of Post Graduate (M.Sc.) Course**
- **Subject guidance for Competitive Exams**



Thank You..