

Departmental Profile

1. Name of the Department : Zoology
2. Year of establishment : UG 1967
PG 1993
Ph.D. 1997

3. Details of the staff members :

Sr. No.	Name of the faculty members	Educational Qualification	Designation	Experience		Specialization
				Teaching	Research	
1	Dr. I.A. Raja	M.Sc., M.Phi., Ph.D.	Associate Professor	21 year U.G., 4 year P.G.	18 year	Reproductive toxicology and environmental
2	Dr. P.P. Ade	M.Sc., Ph.D.	Assistant Professor	6 year U.G. , 10 year P.G.	11 year	Animal physiology
3	Mr. G.D. Deshmukh	M.Sc., NET	Assistant Professor	10 year U.G., 4 year P.G.	03 year	Entomology
4	Dr. H.P. Sapkal	M.Sc.,Ph.D., SET	Assistant Professor	5 year U.G. 4 year P.G.	05 year	Animal physiology
5	Mr. R.S. Mankar	M.Sc., M.Phi.,	Assistant Professor	3 year U.G.	---	Reproductive Biology

4. Details of administrative/technical staff:

Sr. no.	Name	Post
1	Mr. N.S. Tathod	Attendant
2	Mr. K.R. Bagade	Attendant
3	Mr. D.B. Bhatkar	Attendant
4	Mr. V.K. Gawande	Attendant
5	Mr. S.S. Chimankar	Attendant
6	Mr. S.M. Dhande	Attendant

5. Student profile to programmes:

Course	Men	Women	Total	Demand Ratio
B.Sc	116	99	215	1:1
M.Sc	05	27	33	1:1

6. Success rate of each programme, its comparison with University results, Merit list

B. Sc. Part I	= 37.21%
B. Sc. Part II	=77.92%
B. Sc. part III	=92.31 %
M. Sc. Part I	=58. 80%
M. Sc. Part II	= 75 %

7. Number of faculty members on University Bodies/and other academic bodies and social organization. Their role in curriculum designing and college development

Dr. I.A. Raja

- Chairman in board of studies in the Subject Zoology in Sant Gadge Baba Amt. Uni. Amt.
- Member of Academic council.
- Member of The faculties of SGB. Amt. Uni. Amt.
- Member of RRC in sub Zoology
- Member of Vigilance comities for M.Phil vocational course.

- Member of 32/5 for zoology
- Life Member of IAAB, Hyderabad and Academy of Environmental science, Lukhnow.

Dr. P.P. Ade

- Life member of Indian Science Congress, Calcutta.

8. Learning resources of Department

- UG laboratory:- 01
- P.G. laboratory:- 02

The department has a departmental library with 189 books, copies of four journals and copies of M. Sc. And M.Phil, Dissertations, CDs., and published research papers of the faculty members. Department have variety of Museum specimens, insect collection, display charts, there is a well maintain, wall magazine and one computer PC for the students and staff members with broad band internet facility . There are separate well equipped laboratories for UG and PG.

9. Enhancement of the resources during last five year

New books are procured from time to time, for the departmental library, all the faculty members have donated many of the books to the library, as well as they all shares their personal reference books and journals with the colleagues and the P.G students as well as research scholars as per the need. Microscopic image capture unit have been purchased being utilized for demonstration and explanation. Department maintain an up-to-date wall magazine as source of recent information in the field of biological sciences, an ABBOT microscope attaching camera is made available. Specimens collected during excursion tours are also added every year to the collection.

10. Modern teaching method

The faculty members have the modern teaching methods other than lecture method. Department have, 74 explanatory charts, OHP and slide projector and the faculty members are using these teaching aids for effective their teaching. Some faculty members prepare their lectures on power point by downloading figures and illustrations from internet. Seminars, home assignment, group discussion, are other methods of teaching usually employed by the faculty members. The field visits to nearby forest reserves are also organized every year, as a mean for the direct exposure of the students with the nature, the environment conservation/ protection methods in use and about the plants and animals' in their natural habitat. Visits are also organized to the, fish culture, sericulture and vermiculture centre for updating of the students with the advancement in agro based industries.

11. Faculty members participated in National and International Conference/Workshop, Seminars etc.

- Dr. I. A. Raja:-

Conference	Workshop	Seminars
* National Symposium on 'Recent Trends in Life Sciences' organized by Dept. of Zoology, Shri Pancham Khemraj Collge, Sawantwadi.	* Regional one day seminar 'UGC new syllabus of Zoology : Scope for Correlative Interaction In teaching UG and PG courses'. Organized by R.A. College, Washim	* One day state level seminar on 'Environmental Biotechnology in the 21 st Century'. Organized of P.G. Dept. Of Zoology, Umarkedh.
* State level conference on environment- Organized by 'TREE' Dist. Amravati, Shri Shivaji	* Attended 'Mahila Pradyapak Parished' organized by Shri Shivaji College, Akola.	* National seminar on 'Current trends In chemical sciences

<p>College, Akola.</p> <p>* National Conference on 'Biotechnology And Conservation of Natural Resources' Organized by P.G. Dept. of Zoology, Gopikabai Sitaram Gawande college, Umardhed. (M.S.)</p> <p>* International conference on 'Advances in Biosciences : From Darwin to Dolly and Beyond'. organized by Dept. of Zoology, Yeshwant Mahavidyalya, Nanded. (M.S.)</p> <p>*25th Annual session of the academy of environmental biology , Recent trends in Environmental biology and biotechnology approach to conserve Biodiversity held from. Department of Zoology , Gulbarga University , Gulbarga. 22to 24 October2005</p> <p>*National Conference on Modern Approaches and Innovations in Biotechnology and Biodiversity Conservation., Organized by Shri Shivaji Science College, Amaravati, 28 – 30 Jan 2007</p>	<p>* UGC Sponsored University level workshop on Constraints in teaching of new UGC syllabi in zoology and microbiology held at , Sh. Shivaji College of arts,Commerce and Science , Chikhl Dist. Buldana . 16/10/04</p>	<p>research' organized By Dept. of Chemistry, Shri Shivaji College, Akola.</p> <p>* National symposium on Biodiversity , Biotechnology and environmental toxicology in the new millennium ' ' 24th and Annual session of the Academy of of Environmental Biology , Lucknow. , organized by Institute of Science , Mumbai . 22,24/ 11/ 2004</p> <p>* VII South Asian symposium on Odonatology and recent trends in Zoology , Organized by Hislop college temple road , civil lines Nagpur . 9-11/ 01/ 06</p>
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• Dr. P. P. Ade

Conference	Workshop	Seminars
<p>* Symposium on Three Decades of Project Tiger in Melghats , Organized by Department of Zoology SGB Amt. Uni. & Office of the Conservator of forests & field director MTR and nature conservation society Amravati held at Department Of zoology SGB Amravati University on dated 8,9/ 10/ 2004.</p> <p>* National symposium on recent trends in Life Sciences , organized by Department of Zoology Shri Pancham Khemraj Mahavidyalya , Sawantwadi and Mumbai University Mumbai , held at Shri Pancham Khemraj Mahavidyalya ,</p>	<p>* Work shop on Molecular Biology held at Department of Zoology SGB. Amravati University . 1,2/08/ 2004</p>	<p>Seminar on Integrative secular values in Education organized by Citizens Initiatives for Communal harmony Group Goa held at Goa Uni. Goa on dated 19/08/07.</p> <p>National Seminar on "Evaluation of Tribal Folk Knowledge and Biodiversity Conservation "organized by department of Zoology Mahatma Phule Mahavidyalya Warud on dated 12/01/ 2009.</p>

Sawantwadi on dated 1,2/12/2006.		
* State level Conference on Environment -07 organized by Shri Shivaji College , Akola & team of TREE Akola . held at Sh. Shivaji College , Akola on dated 04/ 02/ 2007.		

• Prof. G.D. Deshmukh

Conference	Workshop	Seminars
* State level conference on environment- Organized by 'TREE' Dist. Amravati, Shri Shivaji College, Akola. The 18 th International Symposium of Odonatology, Department of Zoology ,Hislop College,Nagpur Dt- 5 th -9 th Nov.2008	* Regional one day seminar 'UGC new syllabus of Zoology : Scope for Correlative Interaction In teaching UG and PG courses'. Organized by R.A. College, Washim * Attended 'Mahila Pradyapak Parished' organized by Shri Shivaji College, Akola. *National Workshop on "Diversity of Spider in Mahendri Forest of Satpuda Hill Ranges" Mahatma Fule Arts, Commerce and Sitaramji choudhari Science Mahavidyalaya,Warud	* National seminar on 'Current trends In chemical sciences research' organized By Dept. of Chemistry, Shri Shivaji College, Akola.

• Dr. H.P. Sapkal

Conference	Workshop	Seminars
National Symposium on 'Recent Trends in Life Sciences' organized by Dept. of Zoology, Shri Pancham Khemraj Collge, Sawantwadi. National Conference on 'Biotechnology And Conservation of Natural Resources' Organized by P.G. Dept. of Zoology, Gopikabai Sitaram Gawande college, Umardhed. (M.S.) International conference on 'Advances in Biosciences : From Darwin to Dolly and Beyond'. organized by Dept. of Zoology, Yeshwant Mahavidyalya, Nanded. (M.S.) National conference on 'Modern approaches And innovations in biotechnology and	Regional one day seminar 'UGC new syllabus of Zoology : Scope for Correlative Interaction In teaching UG and PG courses'. R.A. College, washim. Attended 'Mahila Pradyapak Parished' organized by Shri Shivaji College, Akola.	National Seminar on 'Evaluation of Tribal Folk knowledge and Bio-diversity Conservation.' Organized by Dept. of Zoology, Mahatma Fule College, Warud. One day state level seminar on 'Environmental Biotechnology in the 21 st Century'. Organized of P.G. Dept. Of Zoology, Umardhed. National seminar on 'Current trends In chemical sciences research' organized By Dept. of Chemistry, Shri Shivaji college, Akola.

<p>Biodiversity conservation.’ Organized by Dept. of Biotechnology, Shri Shivaji college, Amravati. (M.S.)</p> <p>State level conference on environment- Organized by ‘TREE’ Dist. Amravati, Shri Shivaji College, Akola.</p>		
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- V) Mr. R.S. Mankar
Conference

1) International symposium on Odonatology held at Department of zoology, Hislop college temple road , civil lines Nagpur
2) International Conference on Advances in bioscience from Darwin to dolly and beyond.
3) Recent trends in biotechnology held at G. S. Gawande Mahavidyaya , Umardhed.
4) State level Conference on Environment -07 held at Sh. Shivaji College , Akola.

12. Department organized the conferences/workshops and seminars etc.

- Organized University level Seminar competition for U.G. Students. On 2006-2007

13. Evaluation process.

Through personal interaction, class performances by the outcome of unit tests, practical tests, seminar performance, personal interaction, and by out come of terminal examination.

14. Participation of teachers in academic activities other than teaching and research.

The teachers, organized intra class, student seminar competition, conduct study tours and field visit for, habitat study, insect collection and bird identifications. They participate in the conferences symposia, work shops, seminar.

Dr. I. A. Raja being Chairman , Board of studies of Zoology at SGB Amravati university as well as on syllabi committee, member on university academic council, Research and recognition committee, 32/5, board of examination in zoology, and hence participated in overall subject related academic development at university level. He worked on LEC, selection and placement committees for the appointment of lecturers at the parent and other colleges. He is also member for various administrative comities of the college.

Faculty members are also invited form time to time as examiners by other universities to conduct M.Phil and PG practical examination. Dr. I. A. Raja is Co-author for a text Book of animal evolution in the subject zoology.

15. Research activities

- M.Sc/M.Phil dissertations
- Ph.D. Thesis guided and students registered
- Recognised Ph.D guides
- Research papers published
- Papers presented in conferences
- Details of minor/major research projects

16. Books published by the staff

- ‘Text book of Animal Evolution’ - Author:- Dr. I.A. Raja

17. Participation of the department in extension activities
 - The department through its Zoological Society and Members of Green Planet Nature club, has set up links with the community by undertaking diverse extension activities through different programs that presents a variety of attractions to pupils. It is appreciated by the local community and social service organizations. Organizations of the following environment conservation programmes have always earned laurels for the institution especially from the media, forest officials and the local nature lovers, the notable among these are,
 - campus Polythene cleanliness drives,
 - observation of international ozone preservation day,
 - Tree plantation,
 - Scientific celebration of “Nagpanchmi,
 - active celebration of wild life week in collaboration with district Dy. Conservator of Forest,
 - Bird watching and census, for the forest officials.
 - Organized Observation of No Vehicle day for the college,
 - Release of guppy fishes in the rainy ponds to control mosquitos’ larvae,
 - Rangoli Exhibition on nature conservation.
 - Display of environment related news articles through wall magazine,
 - Along with these,
 - Celebration of sickle cell anemia week,
 - organization of Special guest lectures, on the advancement in the subject and local burning problems for the benefit of the students and faculty,
 - Regular field trips to the nearby forest are other extension activities under taken by the department,
18. participation of the department in consultancy services

The dept render following consultancy services as a voluntary means of serving the local community.

 - Guidance to the local farmers regarding Life cycle and biological control of major insect crop pests in the region.
 - Proper identification of disputed fauna to the media.
 - Health checkups through Regular Blood pressure determination for Faculty & non teaching staff.
 - Spreading of the message of environmental conservation in community.
 - Services render to the pupils from different locations of the city and the surroundings for Water analysis of water samples from their areas.
19. Achievements of students during last five years.
 - Ku. Nisha Warade from the department awarded Ph.D. by SGB. Amravati University, Amravati.
 - Miss. Sneha Pande won 1st prize in intercollegiate seminar competition on ‘Animal Physiology’.
 - UG & PG students of the department has participated in inter collegiate seminar competition at S.S.K.R. Innani College Karanja (Lad) and achieve success : Mr. R. B. Chavan Stood IIIrd position.
20. Achievements of the staff members during last five years.
 - Dr. H.P. Sapkal, Faculty member acquired Ph. D.
 - 4 M.Sc. Students stood in University Merit List as 1st , 2nd , 3rd and fifth rank in 2006.
 - Dr. H.P. Sapkal had been invited as resource person at blood analysis workshop organized by Haematics India Pvt. Ltd. Mumbai at Gwalior (M.P.)
 - Dr. I.A. Raja was appointed chairperson for the poster session at International Conference at Nanded.
 - Three Minor project funded by UGC completed by Dr. P.P. Ade, Dr. H.P. Sapkal and Prof. G.D. Deshmukh.
21. Plan of action during next 5 years.

- Introduction of new courses like carrier oriented programme in the of Applied Zoology, to fetch significant job avenues for the students.
- LCD attached screen room.
- Increase the interest of PG and research students at various competitive examinations like NET, SET, CSIR, MPSC, UPSC.
- To apply for new branch of Genetic Engineering at UG and PG.
- Separate research laboratory.
- Separate Museum and regional faunal diversity centre

22. Important alumni of the department.

- Prof. Jayashree Bhise, Head, Dept. of Zoology, Balapur Arts and Science college, Balapur, Dist. Akola
- Prof. Shyam Lande, Asst. Professor, Dept. of Zoology, Balapur Arts and Science college, Balapur, Dist. Akola
- Prof. Harishchandra Mishra, Lecturer, Jawahar Navodaya Vidyalaya, Balsad. Gujrat.
- Prof. Bhushan Thakur, Headmaster, Matoshree vidyalaya, Akot.
- Ku. Varsha Berad, Education extension officer, Akola Z.P. Akola.
- Mr. Shafique Patel, Lecturer, Urdu junior college, Akot.
- Ku. Anjum Sheikh, Lecturer, KMA Husain Junior college of education, Akola.
- Dr. Sarojini Maheshwari, BHMS Practitioner, Akola.
- Dr. Nisha Warhade, Lecturer, RLT Science college, Akola.

23. Any other highlights.

- University level Intercollegiate seminar competitions was arranged for B. Sc. Part II students on subject Animal physiology on 13/ 01/ 2007 . In which 21 students has delivered seminar on Animal physiology.
- Wild life week celebration involves wild life movies exhibition, nature trail, wild life conservation talk,
- Students participation in Tiger census
- Students participation in Bird census
- Students participation in survey of bird flu in migratory birds.
- Campus polythene cleanliness drives .