

8.2

Department of Zoology

1. Name of the Department : Department of Zoology
2. Year of establishment : 2008
3. Is the Department part of a School/Faculty of the university? : No
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.) : PG
5. Interdisciplinary programmes and departments involved : Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Faculty exchange programme with Veterinary University, Pookode, Wayanad
7. Details of programmes discontinued, if any, with reasons : Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : CCSS
9. Participation of the department in the courses offered by other departments: Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others

| | Sanctioned | Filled | Actual (Including CAS & MPS) |
|-----------------------------------|------------|--------|------------------------------|
| Professor | Nil | Nil | Nil |
| Associate Professor | Nil | Nil | Nil |
| Asst .Professor | 1 | Nil | Nil |
| Others | | | |
| Course Director | 1 | 1 | 1 |
| Assistant Professor (on contract) | 4 | 4 | 4 |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D./M.Phil. students guided for the last 4 years |
|--------------------|---------------------|-------------------------------|---|----------------------------|---|
| Dr. Johny Joseph | M.Sc., M.Ed., Ph.D. | Course Director | Environmental Studies. | 29 | |
| Mr. Shybu Jacob | M. Sc., M. Phil. | Asst. Professor (on contract) | Aquaculture | 5 | |
| Ms. Ritty V. James | M. Sc. | Asst. Professor (on contract) | Biodiversity: Conservation and Management | 2 | |
| Mr. Jibin George | M. Sc. | Asst. Professor (on contract) | Biodiversity: Conservation and Management | 1 | |
| Ms. Remisha Raj M | M. Sc. | Asst. Professor (on contract) | Biodiversity: Conservation and Management | | |

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Professor Dr. K. P. Janardhanan, Former Head of the Department of Zoology, University of Calicut.
13. Percentage of classes taken by temporary faculty – programme-wise information
100%
14. Programme-wise Student Teacher Ratio: 8:1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :
One Junior Librarian, One Assistant Section Officer, One Office Attendant and two security staff for all the three departments in the Campus and one part time sweeper (pooled).
16. Research thrust areas as recognized by major funding agencies: Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise : Nil
18. Inter-institutional collaborative projects and associated grants received
a) National collaboration: Nil b) International collaboration: Nil
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil
20. Research facility / centre with
 - state recognition :Yes
 - national recognition : Nil
 - international recognition : Nil
21. Special research laboratories sponsored by/created by industry or corporate bodies:
Nil
22. Publications:
 - Number of papers published in peer reviewed journals (national / international)
 - Monographs
 - Chapters in Books
 - Edited Books
 - Books with ISBN with details of publishers
 - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - h-index
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil
26. Faculty serving in
 - a) National committees b) International committees c) Editorial Boards d) any other (please specify) : Nil
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Nil

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects : Nil
 - percentage of students doing projects in collaboration with other universities / industry / institute : 100
29. Awards/recognitions received at the national and international level by
- Faculty : Nil
 - Doctoral / post doctoral fellows : Nil
 - Students : Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any
National seminar on Faunal diversity Congress funded by State Government
31. Code of ethics for research followed by the departments: Bio-conservation
32. Student profile programme-wise:

| Name of the Programme (refer to question no. 4) | Applications received | Selected | | Pass percentage | |
|--|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| M. Sc. Applied Zoology 2012 | 104 | 3 | 12 | 100 | 100 |
| M. Sc. Applied Zoology 2011 | 92 | 3 | 12 | 100 | 100 |
| M. Sc. Applied Zoology 2010 | 85 | 1 | 14 | 100 | 100 |
| M. Sc. Applied Zoology 2009 | 70 | 2 | 13 | 100 | 100 |
| M. Sc. Applied Zoology 2008 | 55 | 3 | 12 | 100 | 100 |

33. Diversity of students

| Name of the Programme (refer to question no. 4) | % of students from the same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|--|--|--|---|------------------------------------|
| M. Sc. Applied Zoology | 85 | 15 | Nil | Nil |

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
NET- 4, SET - 1
35. Student progression

| Student progression | Percentage against enrolled |
|------------------------|-----------------------------|
| UG to PG | NA |
| PG to M. Phil. | Nil |
| PG to Ph. D. | 12 |
| Ph.D. to Post-Doctoral | Nil |

| | |
|---|----|
| Employed <input type="checkbox"/> Campus selection <input type="checkbox"/> Other than campus recruitment | 20 |
| Entrepreneurs | 15 |

36. Diversity of staff
- | | |
|--|------|
| Percentage of faculty who are graduates of | |
| the same University | 60 % |
| Other Universities within the State | 40 % |
| Universities from other States | |
| Universities outside the country | |
37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period : One
38. Present details of departmental infrastructural facilities with regard to
- Library : 795 Books
 - Internet facilities for staff and students: Yes
 - Total number of class rooms : Three
 - Class rooms with ICT facility : One
 - Students' laboratories : Two
 - Research laboratories : Nil
39. List of doctoral, post-doctoral students and Research Associates
- from the host institution/university : Nil
 - from other institutions/universities : Nil
40. Number of post graduate students getting financial assistance from the university: Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: No
42. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : Yes. Utilized in curriculum revision
 - Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Yes. Appropriate modification were made in teaching and evaluation methods
 - Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes. Necessary changes were made in the programmes useful to outgoing students
43. List the distinguished alumni of the department (maximum 10)
- Dilip Kumar
 - Misvar Ali
 - Askar Ali
 - Drisya O K
 - Jibin George
 - Ritty V. James
 - Rmisha Raj M
 - Rony K. Mathew
 - Vidya Krishnan M
 - Muhammed Sabith K M

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:
1. Students are permitted to participate in International and National seminars and workshops organised by reputed institutions and universities
 2. Eminent recourse persons are invited for engaging special lecturers in the Department
 3. National level seminar organised by the Department to enrich and motivate students in research – students and research scholars ere participated in the programme.
45. List the teaching methods adopted by the faculty for different programmes:
Remedial teaching
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
Continuous and Comprehensive Evaluation Programme
47. Highlight the participation of students and faculty in extension activities.
Each student of the Department has to conduct a project of six month duration in the IV Semester pertain to Biodiversity conservation and management. Some of the projects were related human – wildlife conflicts are much important in the present day scenario. Faculty are involved in conducting aforestation programme by planting seedlings in and around campus in collaboration with Kerala forest Department in connection with environmental day celebration.
48. Give details of “beyond syllabus scholarly activities” of the department :
Study tours, participation in awareness programmes organised by NGOs etc, visit to exhibitions
49. State whether the programme/department is accredited/graded by other agencies? If yes, give details: No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:
Sixty nine dissertations were submitted be the M.Sc. Applied Zoology Students of the Department. They were guided by reputed research guides and done outside the institution in recognised research institutions in and outside the state. All of them are new knowledge. The department is providing internet facilities to the faculties and students which drive knowledge seekers to the vast horizon of new knowledge. We are providing latest editions of books related to various topics of Life Science.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strength
1. The locality is very much suitable for the programme offered especially the area of specialization – in the submit of Western Ghats
 2. Availability of enough aspirant students
 3. Availability of efficient, research oriented and workaholic faculty.
 4. A Good collection of international editions of books costing about 10 lakhs.
- Weaknesses
1. Lack of enough infrastructural facility
 2. Lack of fully equipped P. G. Laboratories and no research laboratory
 3. Lack of enough student amenities – playground, Men’s hostel, gymnasium
 4. Lack of enough transportation facilities
 5. Lack of permanent faculty and supporting staff

Opportunities

1. Vast array of research opportunities for the subject and its specialization.
2. As a life science subject it has significance in the welfare human being and the life itself.
3. The products of this department can make use of forest resources around it for their academic excellence.

Challenges

1. Lack of interdisciplinary approach from the Forest Department
2. Lack of field experiments

52. Future plans of the department.

1. A comprehensive and in-depth study of biodiversity of Wayanad.
2. A study of traditional knowledge of tribes of Wayanad especially tribal medicinal practices.
3. Development of a Green house conserving endangered plants endemic to Wayanad.
4. infrastructural development and it has been sanctioned by the university.
5. Constitute National Interactive Forum Bio-conservationists which can be developed into an international forum.
6. Development of Model agro-farm in the Campus or outside using bio-fertilizers and pesticides.
7. Develop faculty and student exchange programme with other reputed institutes and organizations.