

**DEPARTMENT OF ZOOLOGY**  
**KALPATARU FIRST GRADE SCIENCE COLLEGE, TIPTUR-572201**

Department of Zoology is one of the oldest departments in the college started way back in 1962.

**VISION:**

- The vision is to provide total quality education to rural students regarding Zoology, Biology, and Environmental Biology to empower students to develop a sense of responsibility.
- To foster a well-balanced dynamic, holistically empowered individual.

**MISSION:**

- Students and faculty interact with each other through a variety of programs and share a good rapport.
- The mission includes commitments to vision by organizing lectures, delivering interactive lectures. The explanation is given in Kannada whenever required.
- Mission also includes conducting tests and seminars to enable the students to develop overall abilities to face new life challenges after graduation.

**OBJECTIVES:**

The Department of Zoology is oriented to prepare the students to face life's challenges through Animal Science Education. Zoological concepts influence thinking in every realm of student's interest to overpower life obstacles and become economically more decisive, self-reliant with scientific temper.






**HISTORY:**

Prof. G. Shivanandappa, pioneer founder HOD of Zoology, laid the department's foundation, and subsequent heads improved the department.

The great mentors, who started keeping the tradition, built up the department, and equipped the laboratory and museum with great vision and insight were

- 1] Prof. G. Shivanandappa, Former Professor and HOD of Zoology.
- 2] Prof. M.N. Shanmukha, Former HOD of Zoology and Principal.
- 3] Dr.P.C. Sreedharan, Former Professor.
- 4] G. V. Siddaramanna, Former Professor.
- 5] Prof. N. Somashekharaiiah, Former Professor and HOD of Zoology.

### Faculty Profile with Name, Qualification, Designation, and Specialization:

NAME	QUALIFICATION	DESIGNATION	SPECIALIZATION	EXPERIENCE
<b>G.C. MALLIKARJUNA SWAMY</b> 	M.Sc., (Fishery Biology) M.Phil., (Zoology) PGDEE. (Ecology and Environment)	ASSOCIATE PROFESSOR and HOD	FISHERY BIOLOGY  ENVIRONMENTAL SCIENCE	34Years
<b>Y.R. SOMASHEKARAI AH</b> 	M.Sc., M.Phil. (Zoology)	ASSISTANT PROFESSOR	CYTOGENETICS	28Years
<b>H.N. SHIVANANDA</b> 	M.Sc., SLET,	GUEST FACULTY	ANIMAL PHYSIOLOGY	20Years
<b>BHARATH KUMAR.L.N.</b> 	M.Sc.,	GUEST FACULTY	GENERAL ZOOLOGY	5 Years
<b>KAVITHA.H.G</b> 	M.Sc.,	GUEST FACULTY	GENERAL ZOOLOGY	1 Year

### ACTIVITIES:

The Department with Science Association, Red Cross, NSS, Eco-Club of the college organizes many events for the students throughout the academic year.

Department provides quality education to rural students about Zoology, Biology, and Environmental Biology to empower students. The Department is oriented in preparing the students to face the challenges of life through Animal Science education. Along with the regular curriculum, we conduct seminars for the students at class, college, and university levels. It helps students to build self-confidence and develop a sense of responsibility. We also train students to use modern teaching equipment like interactive boards for their seminars. We inculcate values to every student in such a manner that they should be responsible citizens of India. Many alumni work in various educational

institutes, Universities, Research Organizations, Pharmaceutical Companies, Banks, IT, and BT companies. Every year rank holders and subject toppers of the department are honoured during Republic Day and on Prathibha Shree function.

We conduct tours to various Medical Colleges and Coastal places to collect Specimens and Study the Coastal Diversity of Fauna. We have been organizing study tours to the National Centre for Polar and Ocean Research (NCPOR) Vasco da Gama, Goa, for the past few years. Senior Scientist Dr. Avinash and Dr. Swathi Nagar delivered special lectures on Remote Sensing in Polar Regions and discussed studentship in NCPOR and the importance of research activities in the Polar region.

## **Scope and Career opportunities in Zoology**

Zoology is one of the most popular branches of science that involves studying animals and their biological processes. Zoology courses are offered at the graduate and postgraduate levels. Candidates can also opt for Ph.D. in Zoology after completing their post-graduation.

Zoology is also the study of Invertebrates, Vertebrates, Animal anatomy, Physiology, Developmental biology, Cell biology, Immunology, Molecular biology, Biochemistry, Genetics, Evolution, Ecology, Animal behaviour, Wildlife management, and Conservation. Rainwater harvesting and management, Insect vector and diseases, Neurobiology, Marine biology and Oceanography, Genomics, Chronobiology, Biophysics, Clinical Embryology, and Genetic Implantation, Sericulture, Pisciculture, Dairy farming, Animal husbandry, Bioinformatics, Forensic science, Stem cell culture and Organ culture, Bacteriology, Virology, DNA fingerprinting, Anthropology, Toxicology, and Tissue culture.

### **Career options:**

After BSc, students can pursue MSc and Ph.D. On various topics. Candidates find opportunities in the following departments

1. Government departments
2. Environmental agencies
3. Scientist
4. Universities
5. Colleges
6. Biotechnological Industry
7. Pharmaceutical industry
8. Zookeeper
9. CFTRI
10. Animal Behaviourist
11. Conservationist
12. Wildlife Biologist
13. Zoo Curator

14. Wildlife Educator
15. Zoology faculty
16. Forensic experts
17. Lab technicians
18. Veterinarians
19. Zoological Survey of India
20. Tissue engineer
21. DNA Fingerprinting expert
22. Sericulture department
23. Fishery department
24. Animal husbandry and Dairy farming
25. Forest department
26. Tissue engineer
27. Zoologist
28. Can work in world-famous Channels like National Geographic, Animal Planet, Discovery Channel
29. Documentary Maker
30. Wildlife Biologists
31. Animal Trainers
32. Animal Caretakers
33. Animal and Wildlife Educators
34. Animal rehabilitator
35. Anthropologist
36. Animal Behaviourists
37. Animal breeders
38. One can take up competitive fields like KAS, IAS, IPS, IFS, IFOS, IRS, IRSIT,
39. Banking services
40. Postal department
41. SSC: CGL Staff selection commission: Combined graduate level
42. LIC
43. Pollution Control Board
44. R and D sector
45. Museum curator
46. Bioinformatics
47. Animal Biodiversity board
48. Nutrition Specialist

49. Toxicologist
50. Bacteriologist
51. Virologist
52. A career in Vaccine research (Covid -19, HIV, H<sub>1</sub>N<sub>1</sub>, etc.)
53. Microbiologist
54. Biotechnologist
55. Immunologist.
56. Environmental consultant and Auditing
57. Medical Representative
58. Pollution Control Board

### **INFRASTRUCTURE:**

The department has a good infrastructure. It has two Laboratories, a HOD room, a Staffroom, a Preparation room, a Storeroom, and a well-maintained Museum.

Department is well equipped with instruments, bio visual charts, and slides to enrich students' knowledge. Department staff members are competent enough to handle the present NEP Syllabus.

### **MUSEUM:**

Department has one big museum with more than 2000 bottled specimens [preserved animals], including Common Animals, Rare specimens, Fossil collections, Human endoskeleton, Siamese twins, Human evolution models, Great reptiles like Dinosaur's model.

### **DEPARTMENT LIBRARY:**

The Department has a well-maintained mini-library having valuable Books and manuals for reference.

### **RESEARCH ACTIVITIES:**

Department staff members carried out research activity on Hydrological parameters of Tiptur Lake, Eachnur lake, and Physicochemical parameters of Town Municipal water and published 11 research papers in International Journals.

### **COLLEGE LIBRARY:**

The College has a well-maintained library with a reading room. The library has 2800 copies of books on Zoology.

**RANK HOLDERS IN CBZ COMBINATION**

YEAR	NAME	RANK SECURED
2011	MADHUSHREE.H. S	SEVENTH
2012	BHARATH.N.H	FIFTH
2013	RAJEEV.S. B	FIFTH
2014	KOWSLYA.B	FOURTH
2014	CHAITRA.G.S.	TENTH
2016	POOJA.M.C	TENTH
2018	BALAJI.K.M	SIXTH
2019	RAKSHITHA UPPAR	SECOND
2019	MEGHANA.P.S.	SIXTH
2021	BHAVYA	SIXTH



## ACTIVITIES OF THE DEPARTMENT OF ZOOLOGY:



Environmental awareness Promotion in the Department



Seminar by Students using Animal model



Prof. E.T. Puttaiah, Vice chancellor of Gulbarga University visited Department during Golden Jubilee exhibition



Specimens collected from Mangalore Sea Shore



Student Seminar by using Interactive Board



SEMINAR ON MODERN AGRICULTURE AND ANIMAL HUSBANDRY HELD ON 19TH JAN 2016 BY PROF. NAGAPPA DESAI AND Dr. SHIVAPPA NAYAKA, KRISHI KENDRA. GKV, KONEHALLI, TIPTUR

**ONE DAY UGC SPONSORED STATE LEVEL SEMINAR HELD ON 30 MARCH 2016 ON ROLE BIOTECHNOLOGY IN ENVIRONMENTAL PROTECTION ORGANIZED BY DEPARTMENT OF BOTANY AND ZOOLOGY, KFGSC, TIPTUR**



**LIGHTING A LAMP**



**KEYNOTE ADDRESS BY DR. UMESH**



**PRESIDENTIAL SPEECH**



**Dr. DEVI PRASAD**



**Dr. GEETHA**



**PARTICIPENTS**



**Visit to Tiptur Lake to create awareness about the importance of lake and conservation methods to the public and taken up lake cleaning programme on 5<sup>th</sup> June world Environmental day**



**Eco club members, Staff members taken Campus cleaning and Tree plantation drive on Van mahotvas day 1st July 2016.**



**One day Exhibition Organized for Central School Students on 4 November 2016**



**Students watching Museum**



**Students Watching Aborted Human Embryo**



**VISIT TO MANIPAL MUSEUM PILIKULA NISARGADHAMA**



**Career Guidance in MSc Clinical Embryology Pre-Implantation Genetics held on 16 September 2017 By Kavitha, (Alumnae) Asia Pacific Institute of Embryology, Mysore. Karnataka State**



**Organized Special lecture programme on 2 April 2018, Career Guidance in Biochemistry by Dr. Chethan, HoD of Biochemistry, JSS College, Mysore.**



**Visited CSIR- National Institute of Oceanography, Donapaula, Goa on 24 Feb 2018**

**Organized special lecture programme on” Evolution and Present Scenario in all India Level Civil Service Examinations” by Dr.M.B. Nadoni, PhD, FEESc, FIASES, MNESA, HoD of Zoology, SSFGSC, TUMKUR on 10-8-2018**



**ORGANIZED SPECIAL LECTURE ON” RECENT TRENDS IN BIOLOGICAL SCIENCES AND ITS APPLICATIONS IN SUSTAINABLE ENVIRONMENTAL MANAGEMENT” BY DR. SHARATH CHANDRA.R.G. PROFESSOR AND HOD OF ENVIRONMENTAL SCIENCE, UNIVERSITY COLLEGE OF SCIENCE, TUMKUR ON 30-1-2019**



**GUIDED FINAL YEAR BSC CBZ STUDENTS FOR PREPARING A MODEL ON “SOIL AND WATER CONSERVATION” WHICH WON DISTRICT LEVEL FIRST PRIZE FROM KARNATAKA SCIENCE AND TECHNOLOGY, GOVERNMENT OF KARNATAKA ON 30<sup>th</sup> -01-2018.**



**SOIL AND WATER CONSERVATION MODEL with Dr. Deviprasad, Department of Environmental Science, Mysore University, Mysore.**





**Visited NCPOR, GOA on 19 Feb 2019, Dr. Avinash Kumar, Senior Scientist, delivered special lecture on Remote sensing specially in Polar Regions.**



**Dr. Swathi Nagar, Scientists, delivered Studentship in NCPOR and discussed the importance of Research activities in Polar region**



**Dr. Avinash Kumar and Dr. Swathi Nagar interacting with students**

**ON ACCOUNT OF FRESHER'S DAY SPECIAL LECTURE PROGRAMME WAS ORGANIZED ON "CAREER IN M.Sc., CLINICAL EMBRYOLOGY AND GENETIC IMPLANTATION" BY KAVITHA. MSc, EMBRYOLOGIST, SMILE IVF CENTRE AND FERTILITY HOSPITAL, BANGALORE ON 07-08-2019**



**KAVITHA M.Sc. EMBRYOLOGIST DELIVERED SPECIAL LECTURE**

**FELICITATION TO KAVITHA**



**ON THE FRESHER'S DAY FROM ECO CLUB SPECIAL OATH TAKING CEREMONY WAS ORGANIZED TO PROTECT ENVIRONMENT AND NEARLY 200 TREE SAPPLINGS LIKE JACKFRUIT, TEAK, NEEM WERE DISTRIBUTED TO THE CBZ STUDENTS TO PLANT THE SAPPLINGS**

**ORGANIZED SPECIAL LECTURE PROGRAMME ON CAREER GUIDANCE IN BIOLOGICAL SCIENCE BY DR.H.N. NIRAJANARADHYA, FORMER PRINCIPAL SIDDAGANGA COLLEGE FOR WOMEN'S TUMKUR, ON 28-02-2020**



**SPECIAL LECTURE BY Dr.H.N.NIRAJANARADHYA**



CARRIED OUT WATERING OF B.H. ROAD SIDE PLANTS BY THE STUDENTS OF ECO CLUB, UNDER THE GUIDANCE OF ENVIRONMENTALIST SRI SHADHASHKARI DEVARU ON 7 TH MARCH 2019





**RAISED FLOOD RELIEF FUND IN TIPTUR TOWN AND COLLECTED SUM OF RS 1, 92,500=00.**

**ವಿದ್ಯಾರ್ಥಿಗಳಿಂದ ₹1.80 ಲಕ್ಷ ಸಂಗ್ರಹ**



ತೆಪ್ಪಟಾಣಿಯ ರಾಜ್ಯದಲ್ಲಿ ಮಾಳಿಯ ಅಭ್ಯಾಸಕ್ಕೆ ಲಕ್ಷಾಂತರ ಮಂದಿ ನಿರಾಶ್ರಿತರಾಗಿದ್ದಾರೆ. ಅವರಿಗೆ ಸಹಾಯ ಹಸ್ತ ನೀಡಲು ಪ್ರಸಿದ್ಧವಿಧವೂ ಮುಂದಾಗಬೇಕು ಎಂದು ಕಲ್ಯಾಣ ವಿದ್ಯಾಸಾಗರರು ಅಭ್ಯರ್ಥಿ ಬಿ.ಕೆ. ತಿಪ್ಪಣ್ಣನನ್ನು ಕಳಿಸಿದರು.

ಕಲ್ಯಾಣ ವಿದ್ಯಾಸಾಗರ ಪ್ರಥಮ ದರ್ಜೆ ಕಾಲೇಜಿನಿಂದ ನೆರೆ ಸಂಸ್ಕೃತರು, ನಿರಾಶ್ರಿತರಾಗಿದ್ದ ಪರಿಣತರ ಧನ ಸಂಗ್ರಹಿಸುವಂತೆ ಚಾಲನೆ ನೀಡಿ ಅವರು ಮಾತನಾಡಿದರು.

ಜೀವನದಲ್ಲಿ ನೀತಿ ಮಾರ್ಗಮತನ ಅನುಷ್ಠಾನ ಎಲ್ಲರಿಗೂ ಬಾಧ್ಯವಾಗಿದೆ. ಸಿಕ್ಕ ಅನುಷ್ಠಾನವನ್ನು ಸಮಯೋಪಯುಕ್ತವಾಗಿ ಸಿಕ್ಕಿರಬೇಕು.

[illegible]

Sri, P.K. Thipperudrappa, President, KVS, inaugurated flood relief fund



**FLOOD RELIEF FUND RAISED BY III BSc STUDENTS IS BEING HANDED OVER TO THE PRINCIPAL, KFGSC, TIPTUR**



**FLOOD RELIEF FUND OF RS ONE LAKSH THIRTY-FIVE THOUSAND IS BEING HANDED OVER FLOOD AFFECTED VICTIMS OF HARANADU ON 28-8-2019 IN THE PRESENCE OF DHARMADARSHANI OF THE TEMPLE HARANADU**



**VISITED AKSHYAKALPA DAIRY FORM PRIVATE LIMITED DASARIGHATTA VILLAGE ON 03-03-2020 ALONG WITH III BSc STUDENTS. Dr. ZAMEER AHMED ACCOMPANIED THE STUDENTS AND DELIVERED SPECIAL LECTURE ON ACTIVITIES CARRIED OUT IN THE PROCESSING MILK AND MILK BY PRODUCTS.**



**RAGHU RAM DELIVERED LECTURE ON EXTENSION ACTIVITIES OF DAIRY FARMING**



**SACHIN KUMAR DELIVERED LECTURE ON MARKETING OF DAIRY PRODUCTS.**



**BASAVARAJU DELIVERED LECTURE ON R AND D ACTIVITIES OF THE DAIRY FARMING**



**III BSc CBZ STUDENTS IN AKSHYAKALPA DAIRY FORM PRIVATE LIMITED DASARIGHATTA VILLAGE, TIPTUR**

