



D. K. GOVERNMENT COLLEGE FOR WOMEN

Nellore, Andhra Pradesh- 524003

Autonomous College, College with Potential for Excellence

Re-accredited with "A" Grade by NAAC



DEPT OF ZOOLOGY & AQUACULTURE



DEPARTMENT PROFILE

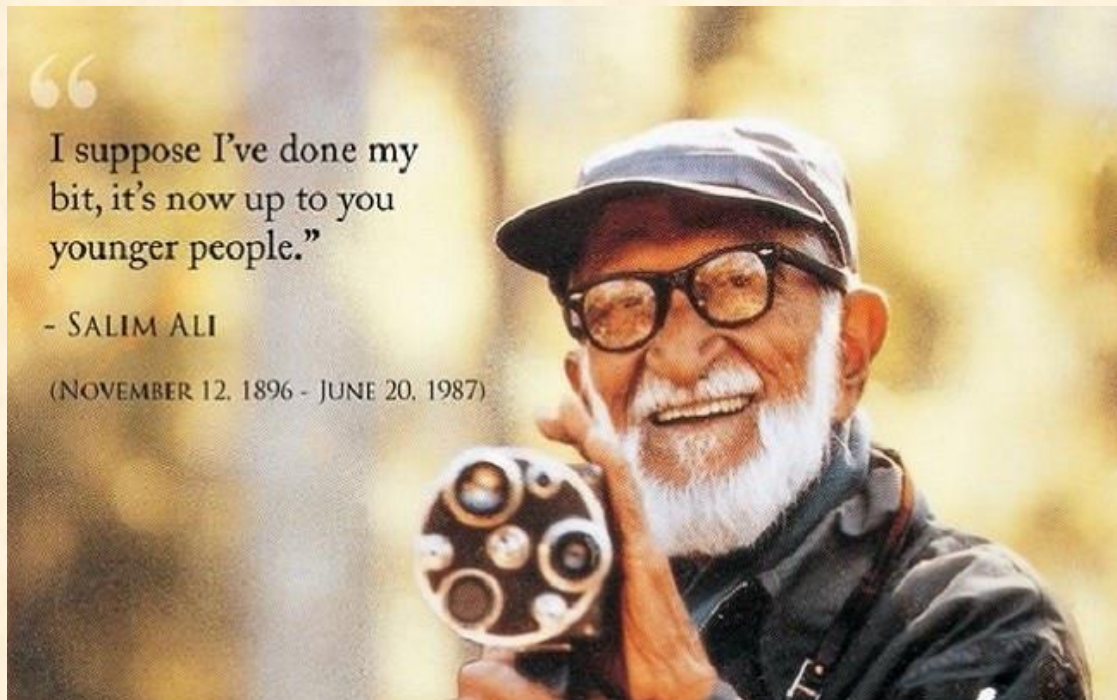
<https://youtube.com/@dkwzology>

<https://www.facebook.com/profile.php?id=100064063003289&mibextid=Zb>

[WKwL](#)

WORLD FAMOUS INDIAN ZOOLOGIST

Dr.Salim Ali – Bird man of India



GENERAL ACHEVEMENTS

- The department has organized National Level Seminars/workshops in various disciplines of Zoological sciences.
- Revised the UG Curriculum twice.
- An innovative UG course on Aquaculture Technology offered from 2017.
- Successfully running PG course in Zoology since 2004.
- Two of our students are selected for IAS- Indian Academy of Science, Bangalore SRF-2017& 2020

HISTORY OF THE DEPARTMENT

The Zoology Department was established in 1964 in this prestigious and historical institution. Started as composite department offering intermediate (Bi.P.C) and B.Sc. with B.Z.C combination. Ever since the inception, the department has grown from strength to strength, achieved tremendous progress and blossomed into a premier science department. In the year 1998, college was bifurcated, various restructured courses are introduced along with the B.Sc. (B.Z.C) like Biotechnology (Bio.Z.C)

The present faculty consisting of Dr.T.SriRanjani, Head of the Department, Dr.Ch.Ramadevi, Dr.N.Anitha, Sri.K.Nagaraju , Dr.Ch.Lalithakumariand Smt.H.Swathi . All are striving hard for the progress and the development of the Department. It is not an exaggeration to say that the Zoology department has carved a special niche for itself in the college as well as in the state.

The hallmark of the achievement of the department is the Zoology Museum, which is considered as the best museum among the affiliated colleges of Vikrama Simhapuri University. It has attained this status due to devotion and hard work of the staff and the students.

The department is well equipped with all the modern and sophisticated equipment. Research activity was encouraged in the department at a time when there was no such activity in science subjects among many affiliated colleges.A notable event M.Sc. (Zoology) was started in the year 2004 and has been running successfully.

S.No	Particulars	Details
1.	Name of the department	Zoology
2.	Year of the establishment	Zoology-1964 Aquaculture-2017
3.	No. of teachers sanctioned and present position	5
4.	No. of teachers and students	6+300
5.	Ratio of teachers to students	5:50
6.	The year when the curriculum was revised last	2022
7.	Success rate of students (what is the pass percentage as compared the university average)	95%
8.	University distinction/ranks	20
9.	No. of students registered for NCC/NSS/YRC	20/30/100
10.	Publications by faculty & Book Chapters (last five years)	12 + 1
11.	Awards and recognition received by faculty (last 5 years)	04
12.	Faculty attended national and international seminars	50
13.	No. of books in the departmental library	1500
14.	No. of computers	01
15.	No. of LCD Projector	01
16.	National Seminars / Workshops/Webinars Organized	UGC Sponsored National Seminar :1 UGC Workshop :1 IISER Webinar :1

NAME OF PROGRAMS/COURSES OFFERED

(UG)

- Botany, Zoology, Chemistry (B.Z.C)- EM
- Biotechnology, Zoology, Chemistry (Bio.Z.C).
- Aquaculture Technology, Zoology, Chemistry (A.Z.C).

(PG)

- M.Sc. Zoology

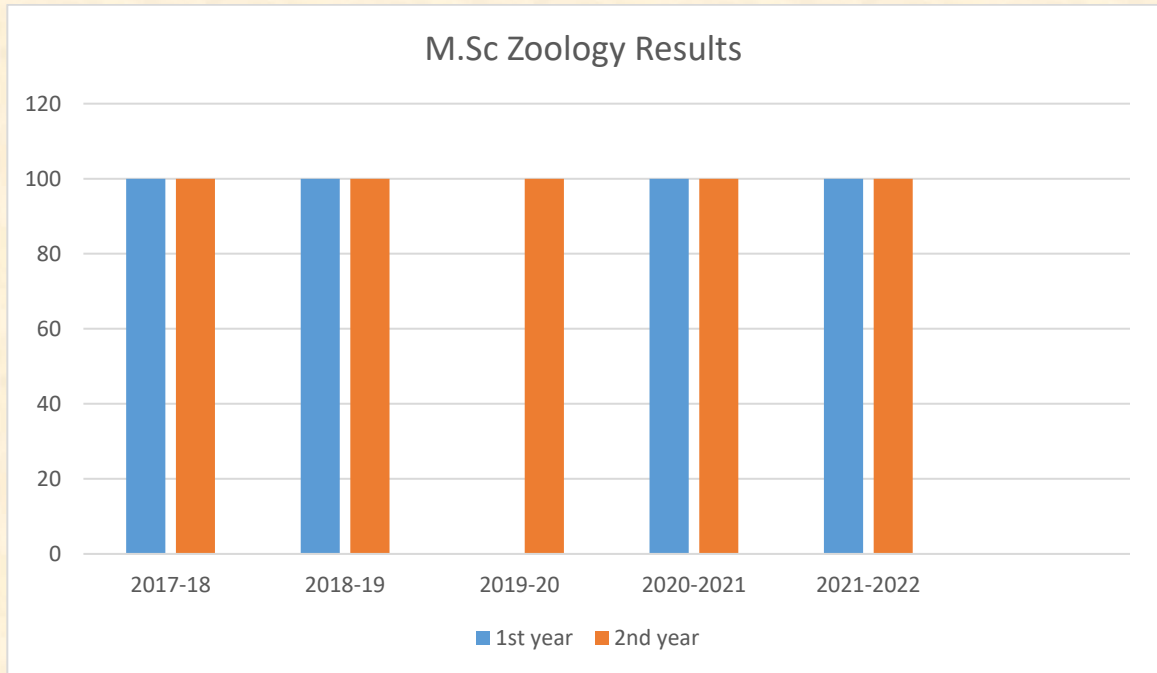
VISION

- To live harmoniously in the web of life
- To inspire students to reach frontiers of biological sciences
- To develop research aptitude and scientific temperament
- To acquire knowledge on the taxonomic status of various animals and its relationship to man and to maintain ecological balance
- To bring about awareness of health-related problems, its prevention and cure.
- To prepare students towards Self-Employment by teaching self-sustainable Skills and Laboratory Techniques.

ASSETS OF THE DEPARTMENT

- Well Established **Museum** with 600 specimens and models
- **Departmental Library** with 1000 reference books
- Handled **Two Minor Research Projects**
- MOU'S with Aqua based firms and V.S.University department for sharing of knowledge and research.
- Organised **Three UGC Sponsored National Seminars and one National Workshop**
- Student internships in prestigious research institutes.
- Endowment prizes to students securing highest marks to enhance performance in Zoology & Aquaculture

Comparative Graphical Representation of P.G Results



SWOC

Strengths

- Wide range of skills, positive attitude, flexibility of technical staff
- Ability of the members of the Department to work together, in a flexible manner.
- Successfully running Post Graduation in Zoology.
- Introduction of Aquaculture technology has created more job opportunities as our district in which college is located is hub for aqua industry.
- Degree and postgraduate students enthusiastic about staff support with strong commitment to teaching.
- Student strength and achievements.
- Organised 03 U.G.C & 01 APSCHE Sponsored National Seminars and 1 National Workshop
- Successfully conducted certificate course in Ornamental fish rearing and Breeding

Weaknesses

- Teaching laboratories in a poor state of modernisation.
- Lack of seed money and funding for projects

Opportunities

- The current allocation of space offers the potential for redesign, enabling development and growth.
- New appointments can be made of young academics with potential.

Challenges

- Fund crunch for Field trips.
- Increasing student enrolment in P.G.
- Rural background and language skills of students

Future of the Department:

- Sorting out the needs of our region and designing the research projects and submission of research proposals to different funding agencies.

- To make our dept as Centre of Excellence.
- Renovation and modernization of the present museum and labs.
- Undertaking of the need-based courses and innovative programmes.
- Promotion to provide consultancy and laboratory services on hire basis and generation of funds.
- Organize International & National workshops and seminars.
- Transfer of scientific knowledge from laboratory to field.

STUDENTS ADMISSION PROFILE

- In this academic year 2021, 50 students are admitted for B.Z.C (EM) 25 students are admitted for Bio.Z.C and 12 students in Aqua.Z.C
- Currently there are around 300 students pursuing undergraduate and postgraduate courses in the department.
- Teacher to student Ratio at present is 1:50

DEPARTMENT OF ZOOLOGY										
Group	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Sanctioned intake	Admitted strength	Sanctioned intake	Admitted strength	Sanctioned intake	Admitted strength	Sanctioned intake	Admitted strength	Sanctioned intake	Admitted strength
BZC	50	44	50	50	60	55	60	41	60	50
AZC	30	14	30	17	30	27	30	25	30	12
M.Sc ZOOLOGY	30	05	30	08	30	NILL	30	5	30	7

Teaching Staff Working at present.

S.NO	NAME OF THE LECTURER	DESIGNATION
1.	Dr.T.SRI RANJANI	HOD
2.	Dr. CH. RAMA DEVI	LECTURER
3	K. NAGARAJU	LECTURER
4	Dr.N. ANITHA	LECTURER
5.	Dr.CH.LALITHA KUMARI	LECTURER
6	SMT.H. SWATHI	GUEST LECTURER

FACULTY ACHEVEMENTS

- Dr.T. Sri Ranjani was Awarded Gold medal from Honorable Governor of Andhra Pradesh Sri Biswabhusan Harichandan as Best Nodal Officer, Indian Red Cross society on September 29th 2019.
- Dr.T. Sri Ranjani research was published in Elsevier Journal CHEMOSPHERE with Impact Factor of 5.8
- Dr.T. Sri Ranjani appointed as Convener, District
- Youth Red Cross Committee,IRCS by Honorable District Collector,Nellore

- Smt.K.Lavanya Awarded FDP for Ph.D. Programme
- Dr.T. SriRanjani, Assist Controller of Examinations, D.K.Govt College for Women (A)
- Dr.Y.Dayakar, Research Supervisor in Zoology, S.V.University
- Dr.T.Sri Ranjani, Member, BOS in Zoology, DRW College (A), Gudur, Govt Arts College for Men(A),Kadapa and BOS member in Govt College for Women(A),Guntur.
- 4 of the present staff members completed MOOCS NPTEL/SWAYAM COURSES.
- Zoology staff members act as Jury members for INSPRE MANAK Science fair every year.



YRC GOLD MEDAL RECEIVED FROM HONARABLE AP GOVERNER

INFRASTRUCTURAL FACILITIES

- Museum
- Departmental Library
- Research Lab
- LCD Projector
- Digi frog Software



MUSEUM

General Inventory of the properties and materials of the Department

Constant Temperature Water bath, Hot air oven, Single distillation plant, Electronic balance, UV-VIS Spectrophotometer, Cooling Centrifuge, Desktop Centrifuge, PH Meter, Binocular Research Microscope with Digital Imaging facility, Fume Hood, Horizontal Electrophoretic System, Calorimeter, Microfuge, Binocular Microscopes(3)

NAAC CRITERIA WISE PRACTICES

Criterion I: Curricular Aspects

1. Department Meetings will be held once in months' time. Preparation of Teaching Plan is done well in advance.
2. Regular External Guest lectures are arranged to enable students to see the insight and perspective of the guest lecturers' specific field.
3. Certificate courses are regularly arranged with good strength.
4. Faculty regularly participated in the Board of Studies meetings of affiliated university and other Autonomous colleges.
5. New Market oriented Programme AZC (Aquaculture, Zoology & Chemistry) was introduced in year 2017 and students successfully placed in Aqua based firms and Post-graduation in Aquaculture.
6. Regularly Zoology and Aquaculture syllabus is revised in BOS , and new topics are added keeping in view of Job orientation and PGCET syllabus. New courses in 5th sem Embedded Aquaculture – **Aqua Microbiology and Aqua lab Techniques** was introduced keeping in view of Market demand. 6th sem Zoology Elective syllabus is revamped with new units on Immunological Techniques. Practical syllabus is revised time to time to improve student skill set and understanding.

At present, the 6th level of revision is underway.

Criterion II: Teaching, Learning & Evaluation

1. Advanced and Slow learners are identified. Advanced learners participate in the endowment programme and Slow learners undergo remedial coaching. Advanced learners are also identified, and proper accreditation are given for them. They are introduced to sources of advanced knowledge and are guided

properly to explore challenging possibilities.

2. Study circles and Peer teaching will be encouraged. Group activities like Museum arrangement and exhibition, Study Projects, Aquarium management, Zoology Noticeboard, Campus fauna study will be promoted.
3. Majority of classes are conducted using ICT. Logbook for LCD projectors/smart classroom usage are maintained.
4. Student centric learning methods are used regularly, and record is maintained.
5. Field visits are regularly arranged to reinforce experimental and contextual learning.
6. Online Test using Google classroom and online platforms like Google meet, webex and zoom and assessment by Google forms, Kahoot and Quizizz and LMS CCE based teaching and learning.
7. Followed innovative teaching learning practices during covid period.
8. UGC approved dissection virtual software Digi frog was used for 2 years successfully.
9. Usage of social platforms like YouTube (DKWZOOLOGY), face book and WhatsApp for departmental activities sharing and subject based videos sharing.
10. Subject quiz competitions are arranged semester wise.
11. Wildlife Documentary Screening once in a month. Preparation of short learning videos as assignment.

DIGIFROG VIRTUAL DISSECTION SOFTWARE USAGE



Criterion III: Research, Innovations & Extension

1. 1 minor research project has been sanctioned by UGC SERO during 2012-14
2. Individual Student projects are encouraged during third year.
3. Good number of Paper Publication in UGC approved care list journals. Elsevier and Scopus journal publications in 2021.
4. Extension activities like Museum and science exhibitions are regularly arranged for other students and the public.
5. MoUs with Dodla dairy, Coastal Aqua Industries, Zoology dept of V.S. University and recently with Alpha Marine group of Aqua Firms. As an outcome with Alpha Marine Processing unit, Rs. 1.5 lakh worth chemicals are received for practicals and research.
6. Elsevier Book chapters.
7. Data base in Gene bank
8. Collaborative activity with HBCSE (TIFR) Mumbai during covid time through CUBE GROUP, Nellore. Kumari B. Teja Sri was awarded twice **D.D. Kosambi Young Scientist Award** in 2020 and 2021.

9. Dr. Sri Ranjani Tallam was awarded **K.K. MahajanMentor award** in 2021
10. Summer Research fellowships Programmes (SRFP -IASC, Bangalore in 2018,2020
11. Organized UGC sponsored National Seminars & Workshops
 - Organized IISER, Pune Sponsored online webinar “How to Read Scientific Literature” in September 2020.
 - Successfully completed one Month Aquaculture Internship for Embedded Aquaculture students during December 2020 to Jan 2021.
 - Extension activities are regularly arranged in Collaboration with Youth Red Cross, NSS & NCC and Lion’s club. Dr. Sri Ranjani Tallam, HOD, Dept of Zoology was appointed as Nellore district Youth Red Cross Convener by Nellore district Collector.
 - 3-day Training on Disaster Management and First Aid 2018, 2019 ,2021 and 2022.
 - Regular Blood donation, health checkup camps and awareness programmes are arranged.
 - YRC volunteers actively served elderly people in casting their votes in Gram Panchayat lections in February 2021 and June 2022 and received special appreciation from Nellore district collector.
 - Dr.T. Sri Ranjani was Awarded Gold medal from Honorable Governor of Andhra Pradesh Sri Biswabhushan Harichandan as Best Nodal Officer, Indian Red Cross society on September 29th, 2019. Our 5th semester M. Nikith pal was also awarded Gold medal as a best volunteer from Honorable Governor of Andhra Pradesh Sri Biswabhushan Harichandan
 - Dr.T. Sri Ranjani research was published in **Elsevier Journal** CHEMOSPHERE with Impact Factor of 7.5

- Innovative practices are practiced like Fish & Prawn fest, Earn while u learn programmes, CUBE CHATSHALA are practiced.

MOU WITH ALPHA MARINE GROUP



MAJOR ACTIVITIES

Two Day National Seminar on **Impact of climate change on food, water and environmental security 2014**

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- TwoDay National Seminar on **Role of Education in Human Development-2016**
- Two Day National Seminar on **Bioethics for the New Millennium - 2017**
- One day National Workshop on **Foldscope- Usage and Assembly-2018**
- Science Exhibition on the Occasion of National Science day-2018
- One Week FIELD Training on AQUACULTURE PRACTICES at SIFT, Kakinada -2018
- Open book system for I Sem students
- Free dermatology camp -2018
- IISER,Pune sponsored Webinar on “How to Read Scientific Literature” in September 2020
- Successfully completed one Month Aquaculture Internship for Embedded Aquaculture students during December 2020 to Jan 2021.
- Faculty engaged in APCCE LMS for zoology & Aquaculture.

**CERTIFICATE COURSE MATERIAL RELEASE BY CCE
COMMISSIONER**



Honorable commissioner of CCE releasing certificate course material prepared by Zoology dept faculty on 29th June 2022.

TIGER DAY POSTER COMPETITION



Criterion IV: Infrastructures and Learning Resources

1. Progressive use of online tests. Department YOUTUBE Channel is maintained. Online Revision Modules for Students in Selected topics.
2. To acquire more subject specific and rare books. Digitized version of rare books will be made available for students.
3. Free hours will be utilized to increase library usage by students.
4. Thesis Repository will be made available to the students. E-content of museum specimens will be prepared for the public.

Criterion V: Student Support and Progression

5. Students are encouraged to apply summer research internship (IASC-Bangalore) every year. Two students received summer internship so far.

6. Workshops and field visits are organized to equip students with Hands on training and practical exposure.
7. M.Nikith Pal received State Best YRC volunteer Gold Medal from Honorable AP Governor Sri Biswa Bhushan Harchandan in 2019
8. PG students are trained in 1 month Aqua clinics and aquapreneurship programmes organized by Fisheries college, Muthukur in sponsorship with NFDB, New Delhi in 2019.
9. Kum.Jahnavi Participated in Republic Day Parade in New Delhi in 2022
10. 8 SC & ST students are selected and trained in PCR techniques workshop in MPEDA, RGCA Lab, Sirkali, Tamilnadu in 2022
11. Students received Pratibha Awards and APJ Abdul Kalam Award given by AP State Government.
12. Record of students joining Higher education(PG/PH) and job is maintained.
13. Record of students achievements is maintained and students are encouraged in all curricular and extra curricular fields.
14. 1 month internship was organized to aquaculture students on various aspects of aquaculture .



INNOVATIVES PRACTICES



Construction of an Aquarium



Fish processing



Fish and shrimp processing



INTERNSHIP, AQUA EXPO AND EARN WHILE U LEARN ACTIVITIES



CUBE NELLORE ACHIVEMENTS

A metaStudio.org Initiative

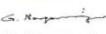


Collaboratively Understanding Biology Education (CUBE)
KS Krishnan Student Mentor Award 2021

KS Krishnan Student Mentor Award 2021 is conferred on the following CUBE members for their exemplary contribution mentoring new members


Rishk Barikar	CUBE Elphinstone College, Mumbai
Chau Mei Chang	CUBE Canada, Toronto
Vidhansri Bhambhani	CUBE Elphinstone College, Mumbai
Kaustubh Ghosh	CUBE St. Xavier's College, Mumbai
Manasi Ramu Prasad	CUBE Elphinstone College, Mumbai
Siddhi Nish	CUBE Maharashtra Higher Secondary School, Goa
Somna Ramchandrar Sathar	CUBE V. Kulkarni Charitable, Mumbai
Geetanjali Dharti	CUBE Dyal Singh College, Delhi
Susmi Chaudhan	CUBE Dyal Singh College, Delhi
Mayhna Pillai	CUBE Dyal Singh College, Delhi
Haral Annu Sebastian	CUBE Mumbai
Priya Kanade	CUBE Ashwarya Navarada Dev College, Delhi
Anusha	CUBE Maharashtra Higher Secondary, Goa
Mansoor Mulla	CUBE Elphinstone College, Mumbai
Raj Tejaswini Patel	CUBE Elphinstone College, Mumbai
Sushila Kirishankar Pradhani	CUBE Elphinstone College, Mumbai
Nidhi Karandee Singh	CUBE N. S. S. Ratnam College, Mumbai
Silpy P P	CUBE Sree Narayana College, Kerala
Pooja Manohar Das	CUBE St. Xavier's College, Mumbai
Anam Lopez	CUBE St. Xavier's College, Mumbai
Gargi Marathe	CUBE St. Xavier's College, Mumbai
Sayad Inam	Sri Sayeed English High School, Mankhurd
Jashvi Kishorena Deshmukh	Jankhadi Bhatt College of Science, Wardha Maharashtra
Vishwanarya C J	CUBE Sree Narayana College, Kerala
Indira Sumanal	CUBE Elphinstone College, Mumbai
Rahil Mudgal	CUBE Abanbanan public school khajalalites, Kanpur
Arunima	FRSC Krishanammal College for women, Coimbatore
Bhramanda Tejwari	CUBE D. K. Govt degree College, Nellore
Anjankumar Kashyap	CUBE Elphinstone College, Mumbai
Theertha M.D.	Poojamma Women's College, Kothikode


Prof. M. C. Arunan
 Coordinator, CUBE


Prof. Nagarjuna G
 Coordinator, metaStudio


Prof. M. C. Arunan
 Coordinator, CUBE


 A metaStudio.org Initiative


Prof. Nagarjuna G
 Coordinator, metaStudio



Collaboratively Understanding Biology Education (CUBE)
DD Kosambi Young Scientist Award 2022

is conferred to the following CUBE members for their exemplary contribution in Collaborative Research

Enas Shirin Fatma
 Ubale Neha Hiratal
 Neha Ravaji Rane
 Pritesh Shivram Parab
 Sakshi Vishwas Beloshe
 Archita Guddu Rajbhar
 Ashrita Patta
 Meghraj V Kamath
 Rati Chaturvedi
 Manasi Ramu Prasad
 Rehel Turkey
 Man Masih Beck
 Bhawna Solanki
 Azlamiya
 Srujal Jain


Hira Public School, Tanda, UP
 Elphinstone College, Mumbai
 RPD Jr.College, Savantwadi, Sindhudurg
 Elphinstone College, Mumbai
 NES Ratnam College, Mumbai
 NES Ratnam College, Mumbai
 St.Xavier's college, Mumbai
 MHSS, Goa
 ANIIMS, Portblair
 Elphinstone College, Mumbai
 DSPMU, Ranchi
 DSPMU, Ranchi
 Ramjas College, University of Delhi
 University of Kerala, Kariavattom campus
 Elphinstone College, Mumbai

Dhanraj Bhaskar Tribhuvan
 Mohammed Owais R. Pinjar
 Gaurav Mhaprakar
 Anindita Mandal
 Panicker Shreejit Sethumadhavan
 Anup Kumar Mourya
 Iram sayeed
 Faizaan Matin Shaikh
 Ishita Sonowal
 Seethalakshmi. C. R
 Tejasri Beemakonda
 Vyom Gupta
 Rahil Mudgal
 Thikan Sahu
 Aarushi Chittkara

Elphinstone College, Mumbai
 NES Ratnam College, Mumbai
 KISSC, Somaiya Vidyaavihar, Mumbai
 KISSC, Somaiya Vidyaavihar, Mumbai
 NES Ratnam College, Mumbai
 SSEH school, Mumbai
 Adarsha Vidyalaya, Thirsur
 Elphinstone College, Mumbai
 S.N. College Nattika, Thirsur
 DK. Govt Degree College, Nellore
 Allen House Public School, Kanpur
 Allen House Public School, Kanpur
 Chaitanya College, Pamgarh
 St.Xavier's college, Mumbai




A metaStudio.org Initiative

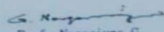


COLLABORATIVELY UNDERSTANDING BIOLOGY EDUCATION (CUBE)
SK Mahajan Awards for Popularization of Scientific Pursuit

SK Mahajan Award 2020 is conferred on the following CUBE members for their exemplary contribution to "Research & Development" in establishing model system in collaborative undergraduate research program.

Bivas Nag	CUBE St. Xavier's College, Mumbai
Sulekha Sudhakaran	CUBE Nature Mechaics, Thiruvananthapuram
Raji Biju	CUBE Nature Mechanics, Thiruvananthapuram
Sheeja	CUBE SNVH School, Nedunganda, Thiruvananthapuram
Sri Ranjani Tallam	CUBE DK Govt College for Women, Nellore
Manzoor Javaid	CUBE Srinagar
S. Rajkumar	CUBE IGGHS, Katterikuppam, Paducherry
Sumita Kacchwaha	CUBE Univ. of Jaipur
Somana Dutta	CUBE Univ. of Jaipur


Prof. M. C. Arunan
 Coordinator, CUBE


Prof. Nagarjuna G
 Coordinator, metaStudio

CUBE NELLORE ACTIVITIES



CUBE NELLORE ACTIVITIES

BigBlueButton - CUBE STUDIO
Transmitting Plant Viruses Using
webinar.hbcse.tifr.res.in/html5client/join?sessionToken=9pmtaxdf5l3l3c3z

Public Chat

This server is running BigBlueButton.

To invite someone to the meeting, send them this link:
<https://webinar.hbcse.tifr.res.in/b/kir-uoa-fhg-z3c>

S.Lahari Biotech Nellore 9:12 PM
Even I too gotted whiteflies on my phyllanthus
But

S.Lahari Biotech Nellore 9:13 PM
My phyllanthus after getting whiteflies after 2 to 3 weeks my phyllanthus have died

Theertha 9:15 PM
do you have the pictures of that grat finding

kiran yadav 9:22 PM
Short Movie of the same JOVE article on YouTube.. Here's the link:
<https://youtu.be/y3rLJRGNYTo>

Send message to Public Chat

Arunan
Ichha
P. Chitralekha
S.Lahari Biotech Nellore
Sakshi (Ratnam college)
Theertha
Shradha Sonavane

14°C
Haze

25-01-2023

Criterion VI: Institutional Values and Best Practices

15. Well stocked Department Library. Online Resources for students in the form of Dept whatsapp group, Youtube channel and Face book page is maintained.
16. Endowment prizes are given to zoology and aquaculture toppers every year by dept faculty.
17. Best practices of dept are field based education, CT enabled Teaching & Learning and vermicomposting are practiced regularly.
18. Students and faculty are actively involved in CUBE CHATSHALA under CUBE, Nellore in collaboration with CUBE, HSBCE, TIFR, MUMBAI to discuss on Zebra fish rearing and breeding. Students and faculty received appreciation for this innovative practice.
19. Museum exhibition, science exhibition, Tiger day, World Fisheries day, World wild life day, Aqua Expo and Earn while u learn programmes are organized to encourage students.
20. Students are guided in model making.

WORLD FISHERIES DAY





FIELD VISIT TO ALPHA MARINE



Teaching and Learning Process

We follow the lecture cum demonstration method with assistance of audio-visual aids. Experimental learning is also

practiced. We try to identify slow learners and provide remedial classes for them. Advanced learners are also identified and proper accreditation are given for them. They are introduced to sources of advanced knowledge and are guided properly to explore challenging possibilities.

Student Centric Methods:

The department adopts student centric methods such as experimental learning while explaining laboratory experiments, participative learning in group projects, field studies for Aquaculture, Animal Husbandry and Animal biotechnology and problem solving in individual and group projects.

RESEARCH PUBLICATIONS:

1.Socio-Economical Status of Reservoir Fishermen in Tribal area, , Visakhapatnam District , Andhra Pradesh- Online International Interdisciplinary Research Journal (By monthly), ISSN 2249-9598,Vol-5, MAY2015 www.oiirj.org

2.Studies on Physico Chemical Parameters of Konam Reservoir of Visakhapatnam District , A.P , India International Journal of Multi-Disciplinary Educational Research (By monthly), ISSN 2277-7881,Vol-4 2.9IMPACT FACTOR- 2.7, May 2015 www.ijmer.in

3.K.Lavanya and Y.Dayakar (2017) Isolation and characterization of probiotic bacteria from the soil samples of the coastal areas of (Gudurdivision,Nelloredt.) for utilization in Shrimp farming, International Journal of Fisheries and Aquatic studies 2017;5(4):371-376 www.fisheriesj

4.K. Lavanya and Y.Dayakar (2018) Studies on Antioxidant response, Immune efficiency and Disease compatibility of the marine shrimp *Litopenaeus vannamei* fed with the probiotic *Lactobacillus* species isolated from the cultured ponds, International Journal of Recent Scientific Research Vol. 9, Issue, 3(J), pp. 25369-25374, March 2018.www.recentscientific.com (UGC Journal. No 46629).

5. T. Sri Ranjani, Gopi Krishna Pitchika, K. Yedukondalu, Y. Gunavathi, T. Daveedu, S.B. Sainath, G.H. Philip, J.A. Pradeep Kiran, 2019. Phenotypic and transcriptomic changes in zebrafish (*Danio*

rerio) embryos/larvae following exposure. **Chemosphere**, doi:
10.1016/j.chemosphere.2020.126148. June 2020 Feb 7 (Cited by : 4) (Impact Factor : 7.1)
Scopus Journal UGC Care list no: 5539

6. T. Sri Ranjani, Pitchika Gopi Krishna, K.V. Swamy, S.B. Sainath, C.R. Tyler, G.H. Philip, 2019. Effect of cypermethrin on reproductive efficacy of zebrafish (*Danio rerio*): In-vivo and in-silico approach. *Journal of Environmental Biology*. 40: 985-994. (IF: 0.7) UGC Care list No:

16.GENE BANK DEPOSITIONS:

1. Pseudoalteromonas 16s RNA partial sequence: **KX907543**,

17. Book Chapters:

Recent developments in nanoencapsulation of bioactive compounds of microbial sources and their biomedical applications published in **Elsevier Academic Press, Vol 2 "Recent Developments in Applied Microbiology & Biochemistry"**. Page no: 141-150

MINOR RESEARCH PROJECTS:

- **Ecological studies in the Nellore Fresh Water Tank- with reference to the Seasonal distribution of physicochemical parameters and relative abundance of planktonic forms, an index of biological productivity- By Dr. Y. Dayakar, Reader in Zoology- 2012-2014**

OUTREACH PROGRAMMES

Social Activities:

- Visit to a home for destitute
- Distribution of Water and first aid to pilgrims who attended Roti Festival every year
- Faculty and Students are actively serving society in association with district Youth Red cross and Lions club of Nellore.



FIELD TRIPS

Under the UG Programme, field trips have been organized every 2nd, 3rd, 4th, 5th and 6th semesters. Field trips are arranged to Hatcheries, Feed manufacturing units, Zoological parks, Animal Husbandry units and Research Labs to make students reinforce experiential and contextual learning. Field trips are a way of enhancing classroom learning by making real world connection. one week visit to SIFT, Kakinada in 2019 and 4 days Hands-on training on PCR techniques in MPEDA, RGCA, SIRKALI.





Laboratory Visits:

Mandatory laboratory visits are made during 5th semester under UG Programme to Aqua culture processing units, Shrimp Hatcheries, Aqua Based labs etc

BEST PRACTICES:

- EARN WHILE U LEARN
- ICT ENABLED TEACHING
- VERMICOMPOSTING
- FIELD TRIPS
- STUDENT SEMINARS IN COLLABORATIVE MANNER.



STUDENT SUPPORT ACTIVITIES

- Continuous internal assessment and evaluation.
- Conduct of monthly Review meetings at department level
- BOS meetings for every Semester
- Preparation of Action plan and implementation
- Departmental Activities
- Dissection practice by students by using DIGIGROG Software
- Results Analysis after the release of Semester End Results
- Based on the Result we use to categories the students as
 - Fast learners
 - Slow learners and

- Below Average (back loggers)
- Remedial teaching in Zero hours
- Student Peer Groups to guide the below average students to perform well
- Blended learning
- SCL activities where ever it is necessary
- Bridge course class for first years
- Encouraging students to participate in various competitions.
- Monthly review meetings to discuss the progress of
 - Coverage of Syllabus
 - Dept action plan
 - NAAC Preparations
 - Virtual presentations
 - Maintenance of Annual records and etc.

INSTITUTIONAL VISION AND LEADERSHIP

The faculty of the department is actively engaging in the affairs of the college and are performing leading roles in various academic and non-academic bodies.

- Acting as Assistant Controller of Examinations to Autonomous Examination Cell
- As convener and members of different Academic committee.
- NAAC 7th Criteria In charge
- Youth Red Cross committee convener.
- Medical Inspection Committee convener.
- Member of Website Committee.
- Member of NAAC steering committee.
- Member of Eco Club.
- Paper setters and Evaluators to different Autonomous colleges across the State.
- Member of Auction Committee.

INFRASTRUCTURE FACILITIES:

- ❖ Department library with 1500 prescribed and reference text books.
- ❖ Museum with 500 Specimens.
- ❖ Taxidermy section with around 100 stuffed animals.
- ❖ Computer and printer with data connection.
- ❖ OHP projector with screen.
- ❖ UGC XII plan LCD projector.
- ❖ Students are allowed to go for APSSDC Lab whenever they have idle hours.
- ❖ Two virtual classrooms.
- ❖ Two digital class rooms well equipped.
- ❖ Mana TV classroom& E- class room.

Student Achievements:

- Many students of the Department reached heights in their Professions. Number of students achieved good ranks in the **V.S.U.CET** and **S.V.U CET** and other P.G Entrance Examination. Placement record of the past students is maintained.
- Some of our outgoing U.G students joined P.G Zoology in the same department.
- **V.Surekha** of 3rd B.sc student got **Prathiba award 2014** given by Govt of A.P for her excellence in final degree Examinations.
- **Ch.Madhavi Krishna Priya &L.V.Vijaya Durga** selected for **SRFP-2018** offered by **IAS-Bangalore** and successfully completed their Internship.

- T.Bhargavi&V.Soundaryaof M.Sc. Zoology received **Prathiba Award 2017** by Govt of A.P for their excellence in P.G.
- L.V.V Vijaya Durga and D.Rajitha Joined Ph.d
- 7 students joined as Sagarmitra in Fisheries department .AP Govt
- J.Sujitha completed summer internship under CSIR SRTP duting covid period
- B.Tejsri and G.Katyayani completed internship in Matrix sea Foods pvt
- K.Uzwala and G.Sravani secured jobs in Hitech Pharma





PRATIBAH AWARDS

- **Kum.K.Nikthpal (1st AZC)** secured 1st prize in District level essay and elocution on occasion of **WORLDS AIDS DAY-2017**



NATIONAL /WORKSHOPS ORGANIZED:

- **U.G.C. Sponsored Two day National Seminar** was conducted on 31st July and 1st **August 2014 on IMPACT OF CLIMATE CHANGE ON FOOD ,WATER AND ENVIRONMENTAL SECURITY**

- **APSCHE** sponsored Two day National Seminar was conducted on 4th and 5th **November 2016** on **ROLE OF EDUCATION IN HUMAN DEVELOPMENT**

- U.G.C. Sponsored Two day National Seminar was conducted on 15th and 16th September **2017** on **BIOETHICS FOR THE NEW MILLENNIUM.**

- One day National Workshop on **Foldscope- Usage and Assembly- 2018**

**Inauguration of Souvenir on the occasion of UGC Sponsored National Seminar on
“BIOETHICS FOR THE NEW MILLENNIUM”**



VISION PLAN

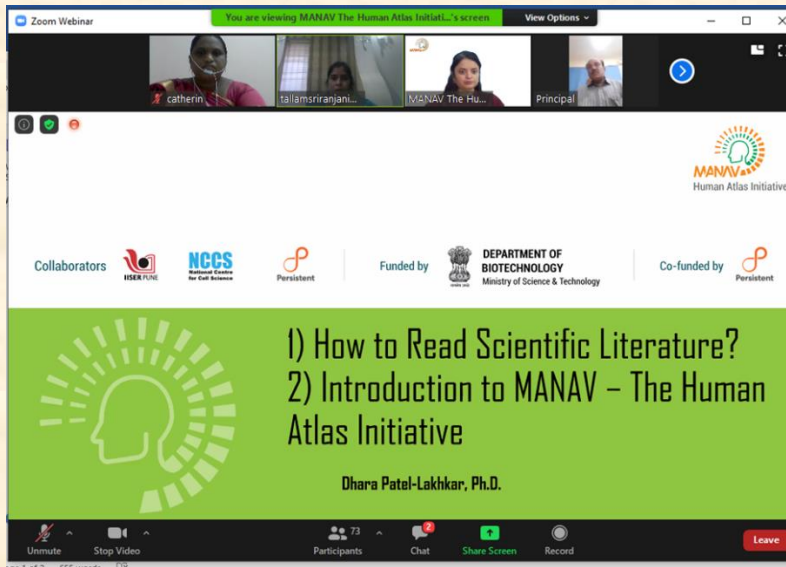
- Development of Aqua labs and Museum.

- To start Aqua research centre.

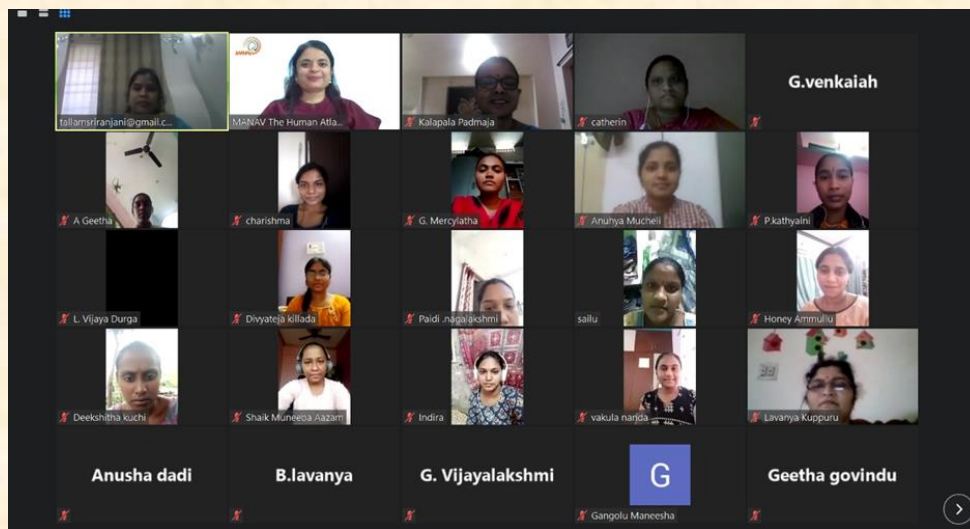
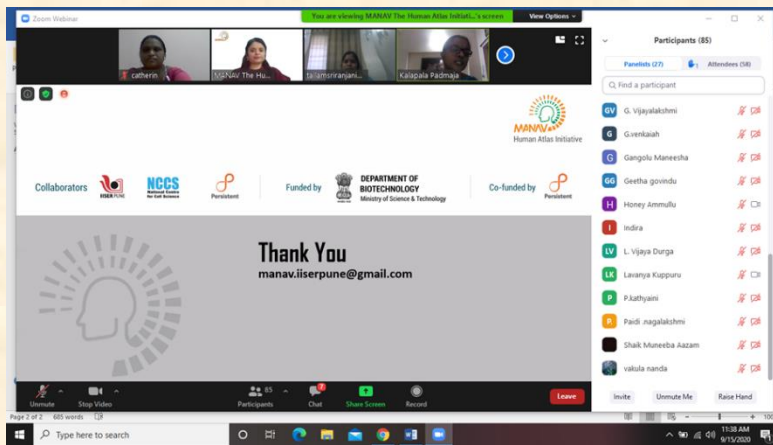
- Develop a strong network with other institutions.
- Undertaking Major research Projects by 2021.
- Upgrade the existing Library facilities in the Department.
- Extend the outreach programmes for popularizing and Implementing Scientific activities.

National Workshop on Foldscope- Usage and Assembly-2018





IISER, PUNE SPONSORED WEBINAR ON “HOW TO READ SCIENTIFIC LITERATURE”



NEWS PAPER CLIPPINGS REGARDING DEPT ACTIVITIES



కృష్ణానది పునరుద్ధరణ కార్యక్రమం
 పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్



కృష్ణానది పునరుద్ధరణ కార్యక్రమం

కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్



కృష్ణానది పునరుద్ధరణ కార్యక్రమం
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్
 కృష్ణానది పునరుద్ధరణ కార్యక్రమం (ప్రజా) యజమాన్

PUBLICATIONS

Dr.T.SRI RANJANI:

Research Papers Published:

International Journals: Total: 01

T. Sri Ranjani, Gopi Krishna Pitchika, K. Yedukondalu, Y. Gunavathi, T. Daveedu, S.B. Sainath, G.H. Philip, J.A. Pradeep Kiran, 2019. Phenotypic and transcriptomic changes in zebrafish (*Danio rerio*) embryos/larvae following exposure. **Chemosphere**, doi: 10.1016/j.chemosphere.2020.126148. June 2020 Feb 7 (Cited by : 4) (Impact Factor : 7.1)

Scopus Journal UGC Care list no: 5539

National Journals: Total: 01

T. Sri Ranjani, Pitchika Gopi Krishna, K.V. Swamy, S.B. Sainath, C.R. Tyler, G.H. Philip, 2019. Effect of cypermethrin on reproductive efficacy of zebrafish (*Danio rerio*): In-vivo and in-silico approach. *Journal of Environmental Biology*. 40: 985-994. (IF: 0.7)

GENE BANK DEPOSITIONS:

2. Pseudoalteromonas 16s RNA partial sequence: **KX907543**,

Book Chapters:

Recent developments in nanoencapsulation of bioactive compounds of microbial sources and their biomedical applications published in **Elsevier Academic Press, Vol 2 “Recent Developments in Applied Microbiology & Biochemistry”**. Page no: 141-150.

Dr. RAMADEVI CHEMBADU:

- ResearchpapersPublished:
- Nationaljournals:Total:05
- CH.Ramadevi,C.Babu in Indian Journal of Comparative Animal Physiology Vol.36(2018)p192-7 on Thiodicarb induced oxidative stress in different tissues of albino rat. ISSN 0255-7150.
- Ramadevi.Ch,Babu.C in Indian Journal of Comparative Animal Physiology Vol.37(2019)p.6-10 on Alterations in The Acetylcholinesterase Activity in Different Regions of The Brain Exposed To Sub Lethal Concentration Of Carbamate, Thiodicarb. ISSN 0255-7150.
- Ramadevi.CH, Babu.C, in Indian Journal of Comparative Animal Physiology Vol.37(2019)p.15-26 on Thiodicarb Induced Changes in The Detoxification Enzymes in The Brain of Albino Rat.
- CH.Ramadevi, Babu.C in Indian Journal of Comparative Animal Physiology Vol.38(2020) p.1-10 on Dimethoate Provokes Oxidative Stress on Different Brain Regions

ofAlbinomice.ISSSN0255-7150.

- CH.Ramadevi, Babu.C in Indian Journal of Comparative Animal Physiology Vol.38(2020) p.18-24 on Dimethoate Exposed Acetylcholinesterase Activity in The Brain ofAlbinomice.ISSSN0255-715.

CH.LALITHAKUMARI:

Research publications: 05 (5 published and 1 accepted)

¹Sarada kumari, **1Ch.Lalithakumari** , ch.suneetha, , and M.srinivasulu Reddy (2018). Evaluation of fishmeal replacement with plant and poultry products for monitoring the growth potentials in penaeidprawn *penaeusmonodon*.. **The Asian Journal of Science and technology(AJST)**, Vol. 09, Issue, 02, pp.8704-8709, February, 2018 , SSN:0976-3376
IMPACT FACTOR -6.315

Ch.Lalithakumari ,KrishnaNaik, and M.srinivasulu Reddy (2018). Growth potential of pacific shrimp *litopenaeusvannamei* under different stocking densities with probiotics applications.. **The Asian Journal of Science and technology(AJST)**, Vol. 09, Issue, 02, pp.7681-7686, February, 2018, SSN:0976-3376
IMPACT FACTOR -6.315

Sujaykumar.G ,M.Hanuma Reddy , **ch.Lalithakumari**&M.srinivasulu Reddy (2011). Impact of ecophysiological parameters on the tissue metabolism of penaeid prawn *penaeusmonodon*.. **The Asian Journal of Animal Science (The AJAS)**, December, 2011/Vol.6/Issue 2/108-111

CH. LalithaKumari , “Anemia ,is The Most Common Nutritional Deficiency Disorder (2017),in emerging sciences and social dimensions in Indian society, crescent publishing corporation
ISBN – 978-81-8342-424-0

Ch.Lalithakumari , “ Role Of Bio Informatics In Life Sciences Reseach”(2016),in contemporary issues on higher education, swastick publications, **ISBN – 978-93-83762-28-6**

Sujaykumar.G ,G.Sujatha, **ch.Lalithakumari**&M.srinivasulu Reddy(2013). “Effect of Methyltestosterone and 17 α -hydroxy progesterone on spermatogenesis in the tropical penaeid prawn *penaeusmonodon*“ **Global journal of Bio Science and Biotechnology.**(Accepted copy enclosed).

Sujaykumar.G,**ch.Lalithakumari**&M.srinivasuluReddy(2013). “ Studies on the growth potentials of penaeidprawn *penaeusmonodon* fed with different formulated feeds”. **Fish and Fisherties (communicated)**

STAFF PROFILE



CURRICULUM VITAE

1. Name : Dr. SRI RANJANI TALLAM
2. Present Position : Assistant Professor, HOD
Address for Communication : Dept. of Zoology, D.K.Govt College for Women(A),Nellore.
E-Mail: zoology.dkw@gmail.com
Mobile : 9491321150
3. Date of Birth : 05/06/1978
4. Place of Birth : Kadapa, Kadapa District, AP, India
5. Marital Status : Married
6. Social Status : Working as Assistant Professor in Zoology
7. Date of Joining : 21st July 2008
8. Educational Qualifications : MSc.,M.Phil., PhD, APSET

Ph.D. in Zoology (2021), Sri Krishnadevaraya University, Anantapur, India.
M.Phil. in Zoology (2007), Sri Krishnadevaraya University, Tirupati, India.
M.Sc. in Zoology (2000), Sri Venkateshwara University, Tirupati, India.
APSET in Life sciences in July 2012 organized by Osmania University, AP Govt.

9. Awards and Fellowships:

- Received **Gold Medal** from A.P Honorable Governor **Sri Biswabhusan Harchandan** in **September 2019** by Indian Red cross society as Andhra Pradesh Best Nodal officer.
- **Awarded Mahila Humanitarian Award** by IRCS, Nellore on International Women's Day 2021
- Received National Faculty Award **2021-22(AWARD OF EXCELLENCE IN RESEARCH)** by Novel Research Academy, Puducherry, India ,an ISO 9001:2015 certified academy.

10. Areas of Research Interest:

Toxicology, Reproductive Fish Biology & Molecular Microbiology

11. Administrative Positions:

1. Present Position : Nellore District Youth Red Cross Convener from 2020 to till date
2. Positions held in College: In-charge of the Department of Zoology from **20/03/2017** to **till date**, DKW(A), Nellore
3. Chairman, Board of Studies, Department of Zoology, DKW(A), Nellore
4. Criterion 3 In charge in NAAC, DKW(A), Nellore
5. Addl Controller of Examinations, COE from May 2016 to March 2019, DKW(A), Nellore
6. UGC Coordinator from September 2019 to June 2021
7. BOS Member, DRW (A) College, Gudur, A.P
8. BOS Member, GDCW (A), Guntur, A.P

12. Guest Lectures, LMS & JURY Members:

1. Acting as subject coordinator for SDC in Zoology Sem III - Poultry farming by AP CCE
2. Successfully completed 6 LMS Zoology subject videos for degree students in collaboration with APCCE LMS Portal
3. Resource person for DST-Inspire summer camp held at Govt. Arts College, Srikakulam on 26th September 2019.
4. Guest Lecture delivered at D.R.W. College (Autonomous), Gudur on 14 Augustth 2018.
5. Guest Lecture delivered at P.R Govt. college (Autonomous), Kakinada, on 15th September 2018 on Transgenic Animals.
6. Guest Lecture delivered at PRR & V.S Govt College, Vidavalur on February 1st, 2022.
7. Special Lectures delivered on "Thalassemia" from 4th May 2022 to 7th May 2022 in Narayana Engineering College, Sree Venkateshwara Engineering college, Aditya Degree College, and Krishna Chaitanya Degree college on the occasion of World Thalassemia Day 2022.
8. Acted as State level Jury Member in MJPAPBBCW State level Science fair on 28th February 2019 at APBCW Residential School for Girls, Golgamudi.
9. Acted as Jury Member in District level DBT Sponsored Inspire Manak Exhibition from 29th to 31st January 2018, 2019, 2020 & 2022 (Online mode), Nellore

13. Orientation / Refresher Courses / MOOCS/FDPS/ Training Courses Attended:

Name of the Course	Institution/Organization	Duration, Date & Year
Orientation Course	UGC-HRDC, JNTUH, Hyderabad	From 08/05/2017 to 03/006/2017 (Four weeks)
Refresher Course	UGC-HRDC, Sri Venkateshwara	From 12/11/2018 to 01/12/2018

	University, Tirupati	(Three weeks)
STEM workshop on Research based Pedagogical Tools	IISER, PUNE	26 th February to 1 st March 2017
Refresher Course (On-line)	UGC-HRDC, Andhra University, Visakhapatnam	21/9/2020 to 04/10/2020
One-week STTP on Advanced Research Methodology	REST Society for Research International	11 to 15 th May 2020
FDP in Zoology	APCCE	6 th July to 10 th July 2020
NPTEL MOOCS on Wildlife Conservation	NPTEL IIT, Kanpur	August to October 2018(8 weeks)
NPTEL MOOCS FDP on Genetic Engineering: Theory & applications	NPTEL IIT,Guwahati	July- October 019(12 Weeks)
Techniques in Fisheries Biology	College of Fishery Science, Muthukur Fishery College, Nellore, District	06 th to 08 th May 2019

14. Research Papers Published:

Recent developments in nanoencapsulation of bioactive compounds of microbial sources and their biomedical applications published in **Elsevier Academic Press, Vol 2 "Recent Developments in Applied Microbiology & Biochemistry"**. Page no: 141-150

18.Seminars /Workshops/Webinars organized as Organizing secretary:

1. Organized **UGC Sponsored** National Seminar from 16/09/2017 to 17/09/2017 on **"Bioethics for the New Millennium"**.
2. Organized **DBT sponsored** National level Workshop on **"Foldscope-Assembly & Usage"** on 27th August 2018
3. Organized Webinar on **"How to Read Scientific Literature"** in **collaboration with IISER, Pune** On 20th September 2020.

19. Participation at the National Seminars/Conferences/workshops:

Total: 50 During last five years: Twenty (20)

20. Membership in Professional Bodies:

1. Life member of Association of Microbiologists of India

2. Life member of National Environmental Science Academy (NESA)

21. Extracurricular activities:

- a. Presently holding the position as Secretary, Government College Gazetted Teachers Association
- b. Member in Women Empowerment committee, DKW(A), Nellore
- c. Youth Red Cross Nellore District Convener,
- d. YRC College committee convener,
- e. Vice-President Lion's club of Sanga Mitra, Nellore

ORCID/SCOPUS/VIDWAN IDS WITH LINKS:

1. ORCID- <https://orcid.org/0000-0003-2430-3623>

2. SCOPUS ID-

<https://www.scopus.com/authid/detail.uri?authorId=57212274799>

3. VIDWAN- <https://vidwan.inflibnet.ac.in/profile/752477>

4. GOOGLE SCHOLAR-

<https://scholar.google.co.in/citations?user=Z3sVoFgAAAAJ>

CREATION OF ICT (E-LEARNING MATERIALS) APCCE LMS LINKS:

<https://ccelms.ap.gov.in/dashboard>

S.NO TITLE URL

LINK 1 Types of shellfish diseases

<https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2243/321>

2 Hatchery Design

<https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2239/325>

3 Basics of PCR

<https://ccelms.ap.gov.in/rusa/user/gselflearn/2037/129/0>

4 Sanger DNA Sequencing

<https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2039/129>

5 Basics of PCR(TM)

<https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2038/129>

6 DNA Sequencing (TM)

<https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2039/129 7>

KAHOOT

<https://create.kahoot.it/my-library/kahoots/6ce1bfb2-4713-4a35-995a-74f769aa495d>

WEB SITES & SOCIAL LINKS YOUTUBE CHANNEL

<https://youtube.com/@dkwzoology>

FACEBOOK

<https://www.facebook.com/profile.php?id=100064063003289&mibextid=ZbWKwL>

CURRICULUMVITAE



- Name : Dr. RAMADEVI CHEMBADU
- Present Position :AssistantProfessor
- AddressforCommunication :Dept.of Zoology,D.K.Govt College for Women (A),Nellore.

Email:

- Date of Birth :01/07/1967
- Place of Birth : Kota, Nellore District, AP. India
- Social Status : Working as Assistant Professor in Zoology.
- Marital Status :Married
- Date of Joining :12AUGUST1992
- Educational Qualifications : M.Sc.,Ph.D. in Zoology (2021), Sri Venkateswara University, Tirupati, India.M.Sc.in Zoology(1990),Sri Venkateshwara University, Tirupati

Administrative Positions:

- Chairman, Board of Studies, Department of Zoology, N.B.K.R. May 2014 to March 2022, Nellore
- BOS Member, DRW(A) College, Gudur, A.P
- Guest Lectures, LMS & JURY Members:
 - Guest Lecture delivered at D.R.W. College (Autonomous), Gudur on AQUACULTURE CONCEPTS on 09 Augustth 2018.
 - Guest Lecture delivered at V.R. College, Nellore on the topic AQUACULTURE on January 01 of 2017
 - Guest Lecture delivered at N.B.K.R. Science & Arts College, Vidyanagar on the topic IMMUNE SYSTEM on 23 June 2022
 - Guest Lecture delivered at S.K.R. Govt Degree College, Gudur on the topic FOETAL MEMBRANES IN CHICK on 30 June 2022

- Research papers Published:
- National journals: Total: 05
- CH. Ramadevi, C. Babu in Indian Journal of Comparative Animal Physiology Vol. 36 (2018) p. 1927 on Thiocarb induced oxidative stress in different tissues of albino rat. ISSN 0255-7150.
- Ramadevi. Ch, Babu. C in Indian Journal of Comparative Animal Physiology Vol. 37 (2019) p. 6-10 on Alterations in the Acetylcholinesterase Activity in Different Regions of the Brain Exposed to Sub Lethal Concentration of Carbamate, Thiocarb. ISSN 0255-7150.
- Ramadevi. CH, Babu. C, in Indian Journal of Comparative Animal Physiology Vol. 37 (2019) p. 15-26 on Thiocarb induced changes in the detoxification enzymes in the brain of albino rat.
- CH. Ramadevi, Babu. C in Indian Journal of Comparative Animal Physiology Vol. 38 (2020) p. 1-10 on Dimethoate Provokes Oxidative Stress on Different Brain Regions of Albino mice. ISSN 0255-7150.
- CH. Ramadevi, Babu. C in Indian Journal of Comparative Animal Physiology Vol. 38 (2020) p. 18-24 on Dimethoate Exposed Acetylcholinesterase Activity in the Brain of Albino mice. ISSN 0255-7150.

Seminars/Workshops/Webinars participated in Organizing secretary:

- Participated in **UGC Sponsored National Seminar** from 16/09/2017 to 17/09/2017 on **“Bioethics for the New Millennium”**.
- National Workshop from 23-24 January 2017 on Transition of India from Colony to Democratic Nation-State.
- National Women's Parliament from 10-12 February 2017.
- National Workshop from 24-25 March 2017 on application of Chemoinformatics-Big Data in Drug discovery.
- O.P7-11 August 2017.
- National Lecture cum Practical workshop from 04-05 August 2017 New horizons in exercise and health.
- UGC-sponsored National workshop from 30-10-2017 to 4-11-2017 on utilisation of E-resources and networking of libraries.
- District level seminar on 05 Dec 2018 on Trends and Advances in Immunology.
- National Conference from 06-07 February 2019 on Environmental Pollution monitoring and remediation.
- National symposium from 15-16 February 2019 on plastic pollution.

Participation at the National Seminars/Conferences/workshops:

Total: 11

Extracurricular activities:

- Member of Women Hostel committee, DKW(A), Nellore

CIRCULUM VITAE



1. Name : Dr. NELAPATI ANITHA
2. Present Position : Lecturer in Zoology
3. Address for Communication : Dept. of Zoology, D. K. Govt. College for Women(A), Nellore
E-Mail: nelapatianitha75@gmail.com
Mobile: 9849282108
4. Date of Birth : 21.03.1975
5. Place of Birth : Hyderabad, Telangana, India
6. Marital Status : Married
7. Social Status : Working as Lecturer in Zoology
8. Date of Joining : 28th January 2002
9. Educational Qualifications : M. Sc, Ph. D
M. Sc in Zoology (1999), Osmania University, Hyderabad, India
Ph. D in Zoology (2018), Sri Venkateswara University, Tirupati, India
10. Areas of Research Interest : Prawn - Reproduction
11. Administrative Positions :
 1. Chairman, Board of Studies, Biotechnology, V.S.University, Kakatur, Nellore from 2016 till date.
 2. BOS Member – Biochemistry(from 2016 till date), Zoology(from 2019 till date), Skill Development courses (i) Dairy techniques and (ii) Poultry farming (from 2020 to till date), Life skills: Environmental Education(from 2020 till date), Life skills: Health and Hygiene(from 2020 till date), B.Voc, Medical Lab Technology(from 2021 till date), V.S.University, Kakatur, Nellore.

2. Academic Advisor, AAA, CCE, AP (2018).
3. Co-ordinator, High Power Committee (2019) V.S.University, Kakatur, Nellore.
4. NAAC -Criterion 3, Member, DKW(A), Nellore (2022)
5. Co-ordinator, WGSC, DKW(A), Nellore (2022)
6. Book Selection Committee Member, Nellore District Library Organization (from 2020 till date)
7. External practical Examiner, DKW, GDC, Nellore (2017 - 2020), DRW Women's college, Autonomous, Gudur (2020)

12. Guest Lectures & Jury Member :

1. Guest lecture delivered at GDC, Kovur, SPSR Nellore on 14th December 2015.
2. Acted as Jury Member 3rd spell of 5th District Level INSPIRE Exhibition and projects (2015).
3. Guest Lecture delivered at Lendi Degree college, N Rajupalem, Nellore on 9th January 2016.
4. Guest Lecture delivered at St.Mary's degree college, Buchireddypalem, Nellore on 11th November 2017.
5. Acted as Judge, YuvaMahotsav 6th Janmabhoomi programme (2019).
6. Guest lecture delivered at PRR & VS Govt. College, Vidavalur, Nellore on 9th March 2018.
7. Guest lecture delivered at SCRDC, Nellore on 23rd September 2018.
8. Guest lecture delivered at JBDC, Kavali on 14th December 2019.
9. Acted as Jury member, SETNEL, Dept of Youth & Cultural Affairs, Govt. of A.P (2020).
10. Guest lecture delivered at SCRDC, Nellore 9th April 2022.
11. Orientation/Refresher Courses/ MOOCS/FDPs/Training Courses Attended:

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Name of the Course	Institution /Organization	Duration, Date & Year
Orientation course	UGC-ASC,University of Hyderabad	01.12.2003 to 27.12.2003, 4wks
Refresher Course	UGC-ASC, S.V.University, Tirupati	02.02.2009 to 21.02.2009, 3wks
Refresher Course	UGC-HRDC, S.V.University, Tirupati	12.11.2008 to 01.12.2018, 3wks
NPTEL Online Certification course	IIT, Roorkee	Jul-Aug 2019, 4 wks
NPTEL Online Certification course	IIT, Kanpur	Sep-Dec 2020, 12 wks
NPTEL-AICTE, FDP Online Certification course	IIT, Guwahati	Jan-Apr 2022, 12 wks
FDP on RICE	AKTPU & MHRD	27.08.2019 to 31.08.2019, 5days
MLMS	IIT Bombay	10.06.2020 to 15.06.2020, 5days
MOOCs..E-content &OER's, STC	Govt. First grade college	05.07.2020 to 14.07.2020, 10days
Online Panel..NPE 2020	Teachers educators-ss, Panel discussion	09.08.2020 to 11.08.2020, 3days
National Workshop	DRW College(A), Gudur	07.02.2019 to 14.02.2019, 1wk

13. Research Papers Published

International Journals: 02

14. Participation at the National Seminar/Conference/ Workshop:

Total : 70 During last five years: 30

15. Extra curricular activities

Life Member, Indian Red Cross Society

CURRICULUM VITAE



Name : Dr.CH.LALITHA KUMARI

Present Position : Assistant Professor.

Address for Communication : Dept. of Zoology, D.K.Govt College for Women(A), Nellore

E-Mail: lalithazoologydkw@gmail.com

Mobile:9908901789

Date of Birth : 01/04/1981

Place of Birth : Nellore District, AP, India

Marital Status : Married

Social Status : Working as Assistant Professor in Zoology

Date of Joining : 3rdMarch 2014

Educational Qualifications :MSc.,M.Phil., PhD, APSET

Ph.D. in Zoology (2019), VikramaSimhapuriUniversity, Nellore, India.

M.Phil. in Zoology (2010), Sri VenkateshwaraUniversity, Tirupati, India.

M.Sc.in Zoology (2004), Sri Venkateshwara University, Tirupati, India.

APSET in Life sciences in July 2012 organized by Osmania University, AP Govt.

Awards and Fellowships:

PhD Award received - 25.11.2019 from Vikramasimhapuri University

Areas of Research Interest:

Aquaculture-Nutrition

Administrative Positions:

9. Parent station: D.K.W College (A)

- Member in Mentor and Mentee committee
- Member in internal complaints committee
- Member in Alumni committee
- Convener For Art and Science Follow up Action Committee

10. Previous station (D.R.W.College(A),Gudur :

- Convener of Cultural committee
- Convener in stationary fee fund Committee
- Convener in Creative corner from 2014-15 onwards 20-2021
- Convener in Welfare committee 2018-19
- Member of NAAC subcommittees,
- Member in Research committee
- Member in board of studies in Zoology from 2013
- Member in board of studies in Environmental studies from 2013 to 2016
- Member of Academic Council, D.R.W College,(Autonomous)
- Member in Campus maintenance Committee
- Member in Games Committee
- Working in the Eco Club
- Working in the Mentoring system
- Checking Daily Attendance
- Worked in the diploma course in beautician
- Prepared Consolidated Attendance 2014-15
- Prepared teaching Modules with the help of students
- Conducting Remedial Coaching for backward students every year

Guest Lectures, LMS& JURY Members:

- Guest Lecture delivered at S.K.R Govt College ,Gudur on 20th June 2022 on Endocrine System
- Delivered Extension lecturer on blood groups at svsscgovtdegree College, Sullurpet. 29 Sep 2016
- Successfully completed 2 LMS Zoology subject videos for degree students in collaboration with APCCE LMS Portal
- Worked in the preparation of MCQ (Match the following type - topic mammals)in CCE, AP
- Worked as judge in a District level Science fair at D.R.W.College, conducted by Young India organization

- Worked as judge in a Little Angels Public School in Gudur for cultural activities on the Occasion of children's day i.e. 14.11.2018.

Orientation / Refresher Courses / MOOCS/FDPS/ Training Courses Attended:

Name of the Course	Institution/Organization	Duration, Date & Year
81stOrientation Course	UGC –Human Resource Development Centre (HRDC),S.V.University,Tirupathi.	From21-01-2019 to 16-02-2019(Four weeks)
Refresher Course-in life science	UGC –Human Resource Development Centre (HRDC),S.V.University,Tirupathi.	From18.08.2016 to 07.07.2016 (Three weeks)
One-week STTP on Advanced Research Methodology	REST Society for research International(RSRI),Krishnagiri,TamilNadu,India	4th May 2020 to 8th May 2020
FDP	Indira PriyadarshiniGovt College for women, Nampally -Hyderabad	20 July 2020 to25 july2020
FDP	APCCE	03.08.20 to 07.08.20 (5Days)
FDP (MOODLES - LMS)	KLS Vishwanthrao Deshpande Institute of technology	4th May 2020 to 8th May 2020

Research Papers Published:

Research publications: 05 (5 published and 1 accepted)

1. ¹Sarada kumari, ¹**Ch.Lalithakumari** , ch.suneetha, , and M.srinivasulu Reddy (2018). Evaluation of fishmeal replacement with plant and poultry products for monitoring the growth potentials in penaeidprawn*penaeusmonodon*..**The Asian Journal of Science and technology(AJST)**, Vol. 09, Issue, 02, pp.8704-8709, February, 2018 , SSN:0976-3376
IMPACT FACTOR -6.315
2. **Ch.Lalithakumari** ,KrishnaNaik, and M.srinivasulu Reddy (2018). Growth potential of pacific shrimp *litopenaeusvannamei* under different stocking densities with probiotics applications..**The Asian Journal of Science and technology(AJST)**,Vol. 09, Issue, 02, pp.7681-7686, February, 2018, SSN:0976-3376
IMPACT FACTOR -6.315

3. Sujaykumar.G ,M.Hanuma Reddy , **ch.Lalithakumari**&M.srinivasulu Reddy (2011). Impact of ecophysiological parameters on the tissue metabolism of penaeid prawn **penaeusmonodon**..**The Asian Journal of Animal Science (The AJAS),December,2011/Vol.6/Issue 2/108-111**
4. **CH. LalithaKumari** , “Anemia ,is The Most Common Nutritional Deficiency Disorder (2017),in emerging sciences and social dimensions in Indian society, crescent publishing corporation , **ISBN – 978-81-8342-424-0**
5. **Ch.Lalithakumari** , “ Role Of Bio Informatics In Life Sciences Reseach”(2016),in contemporary issues on higher education, swastick publications, **ISBN – 978-93-83762-28-6**
6. Sujaykumar.G ,G.Sujatha, **ch.Lalithakumari**&M.srinivasulu Reddy(2013). “Effect of Methyltestosterone and 17 α -hydroxy progesterone on spermatogenesis in the tropical penaeid prawn **penaeusmonodon**“ **Global journal of Bio Science and Biotechnology.(Accepted copy enclosed).**
7. Sujaykumar.G,**ch.Lalithakumari**&M.srinivasuluReddy(2013). “ Studies on the growth potentials of penaeidprawn**penaeusmonodon** fed with different formulated feeds”. **Fish and Fisherties (communicated)**

Seminars /Workshops/Webinars organized as Organizing secretary:

- Organized **National Seminar** On Recent Trends in Biological Science o 22nd March 2014
- **Organized National seminar on** Recent trends in Aquaculture on 22nd March 2016
- **2Days National workshop on Assemble and usage of fold scope from 29.08.2018To 30.08.2018**

Participation at the National Seminars/Conferences/workshops:

Total: 70During last five years: Twenty (30)

Membership in Professional Bodies:

Life Member in Indian Red Cross society

Extracurricular activities:

- Worked as NSS Programme Officer 2014-15 and 2015-16 **in College,Participated in youth festivals conducted by S.V Universityand trained the students to Participated in various Competitions**
- Worked as Cancer Ambassador organized by bargavhealthplus with colobaration of APOLLO Hospitals
- Participated in SWACHA BHARATH in Gudur town

CURRICULUM VITAE



1. **Name** : K.Nagaraju
2. **Present Position** : Lecturer
- Address for Communication** : Dept. of Zoology, D.K.Govt College for
Women (A), Nellore.
E-Mail: koppunagarajumail@gmail.com
Mobile: 9493441321
3. **Date of Birth** : 01/07/1982
4. **Place of Birth** : Jammalamadugu, Kadapa District, AP, India
5. **Marital Status** : Married
6. **Social Status** : Working as Lecturer in Zoology
7. **Date of Joining** : 19/07/2021
8. **Educational Qualifications** : MSc, M.Ed., B.Ed., AP SET and UGC NET

M.Sc. in Zoology (2008), Sri Venkateshwara University, Tirupati, India

M.Ed (2013) at Dr.B.R Ambedkar open university, Hyderabad (AP), India.

B.Ed (2005) at IASE, Kurnool, SK University, Anantapur.

APSET in Life sciences in April 2014 organized by Osmania University, Govt of Andhra Pradesh.

APSET in Education in August 2015 organized by Osmania University, Govt of Telangana.

UGCNET in Education in July 2106 organized by University grants commission, India.

9.Awards and Fellowships:

Received Best Student Award for securing highest marks in degree from PONNAPUREDDY SIVAREDDY MEMORIAL TRUST

Received KANAKAPALLI INDIRA SRIRAM cash prize for securing highest rank in SVU CET - 2005.

Received NTR Pratibha puraskar for securing highest rank in SVU CET- 2005.

10. Areas of Research Interest:

Molecular Biology

11. Administrative Positions:

Positions held in College:

- Biometric incharge from 2021 to till date.
- Member of OTLP APP.
- Member of ECO CLUB.
- PO of NSS UNIT 3.
- Member of DK YRC.
- Member of 7th criteria

12. Orientation / Refresher Courses / MOOCS/FDPS/ Training Courses Attended:

Name of the Course	Institution/Organization	Duration, Date & Year
Orientation Course	Teaching learning center, Ramanujan college, University of Delhi	From 20/05/2022 to 18/06/2022 (Four weeks)
Refresher Course	Teaching learning center, Ramanujan college, University of Delhi	From 25/04/2022 to 09/05/2022 (Two weeks)
Faculty induction programme	Commissionerate of collegiate education, Govt of Andhra Pradesh	06/07/2022 to 10/07/2022

21. Extracurricular activities: PO of NSS unit 3

- f. ECO Club committee Member ,
- g. YRC College committee member,

CURRICULUM VITAE



1. Name : Smt. SWATHI HEGBER

2. Present Position : Guest Faculty

Address for Communication: Dept.of Zoology, D.K.Govt College For Women (A), Nellore.

E-Mail: swathihegber1@gmail.com

Mobile: 8125434678

3. Date of Birth : 16/05/1990

4. Place of Birth : Nellore, Nellore District, AP

5. Marital Status : Married

6. Date of Joining : 10th July 2017

7. Educational Qualification : M.Sc, B.ED M.Sc in Zoology (2016), D.K.Govt College for Women (A), Nellore. B.Ed in Biological Science (2014), Narayana B.Ed College, Nellore.

8. Awards:* Received "**Prathibha Award**" From Vikrama Simhapuri University in 2016 for secured 80% of Marks in M.Sc Zoology.

9. Administration Position : * BOS Member in D.K.Govt. College for Women (A), Nellore, AP.

* Mentor For Community Service Project (CSP)

10. MOOCS / TRAINING COOURSES ATTENDED:

Name of the Course	Institution/Organization	Duration, Date & Year
NPTEL MOOCS on Wildlife conservation	NPTEL IIT, Kanpur	August to October 2018 (8 Weeks)
Techniques in fisheries Biology	College of fishery Science, Muthukur fishery College, Nellore District.	06 th to 08 th May 2019
Aquaculture Practices	State Institute Fisheries Technology Kakinada - AP	10 th to 15 th September 2018
Summer School Programme	Silver Jubilee Govt.	21 th to 28 th May 2018

Under Star College	College (A), Kurnool, and Science Department in collaboration with CCMB, IICT and HCU Hyderabad.	
Indian Red Cross Society AP	Disaster Management & First Aid Training Programme held at D.K.Govt. College For Women (A),Nellore	03 rd to 5 th January 2019
Southern Institute of Mines, Health and Industrial Safety	Senior Professional first Aid Training Programme held at Nellore.	20 th to 22 nd June 2022

h. 11. Participated at the National Seminars/Conference/Workshop:

i. Total: 15

j. 12. Membership in Professional Bodies:

k. * Life member of Indian Red Cross Society

l. 13. Extra Curricular Activities:

m. *YRC College Committee Member.

Future of the Department:

- Sorting out the needs of our region and designing the research projects and submission of research proposals to different funding agencies.
- To make our dept as Centre of Excellence.
- Renovation and modernization of the present museum and labs.
- Undertaking of the need-based courses and innovative programmes.
- Promotion to provide consultancy and laboratory services on hire basis and generation of funds.
- Organize International & National workshops and seminars.
- Transfer of scientific knowledge from laboratory to field.