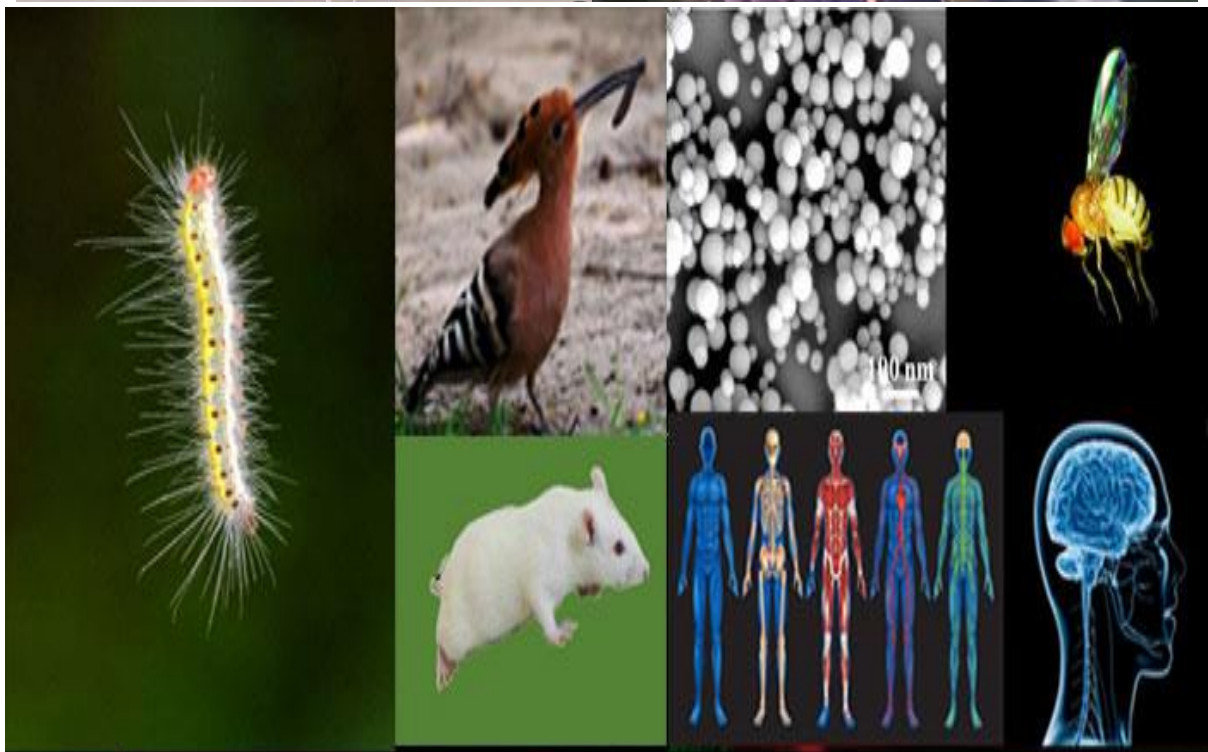


DEPARTMENTAL PROFILE

2018-2023



Department of Zoology

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DEPARTMENT OF ZOOLOGY PG

1. INTRODUCTION

To meet the ever-increasing demand for higher education of women, the PG course was established in the year 1991, Dr. Amtul Aziz, former Vice-principal and Head of the Department of Zoology took the initiative to establish M.Sc. Zoology, as the Department has several Doctorates in specializations to cater to the Post Graduate students and the required infrastructure to start the course. The following lecturers have rendered their esteemed services for the establishment of M.Sc. Zoology in the college.

01.	Dr. Amtul Aziz	M.Sc., Ph.D.
02.	Dr. Priyadarshini Kapadiya	M.Sc.,M.Phil., Ph.D.
03.	Dr. DevikaRani Chattopadhaya	M.Sc., Ph.D.
04.	Dr. Jaya Devi	M.Sc.,M.Phil., Ph.D.
05.	Mrs. Madhuri Rani	M.Sc
06.	Dr. Sisle Meera Ramchandra Moorthy	M.Sc., Ph.D.
07.	Dr. K. Laxmi	M.Sc., Ph.D.
08.	Dr. Sabiha Sikander	M.Sc., Ph.D.
09.	Dr. Shyamala Pillay	M.Sc.,B.Ed.,M.Phil., Ph.D.
10.	Dr. Prema Kumari	M.Sc., Ph.D.
11.	Mrs. Praveen Suxena	M.Sc
12.	Dr. P. RamaDevi	M.Sc., Ph.D.

M.Sc Zoology was started with Helminthology and Environmental Biology as special papers and Sericulture as an elective. In the year 1994 the demand of Helminthology and Environmental Biology was dispensed and replaced by Fish Biology. Later on in the year 1996 as more number of students were opting for Physiology and as it had better job opportunities, Comparative Animal Physiology was introduced as a special paper and Sericulture as an elective.

Initially 20 students were allotted for the course. In the year 1994 the seats were enhanced to 25+2 (Supernumerary) as there was demand for the course and college was able to provide sufficient infrastructure and sophisticated instruments for practical. Presently the intake of the seats has increased to 30+6. In the year 1994-95 a new P.G Block was built which was inaugurated by Prof. G. Ram Reddy, Chairman of UGC, New Delhi.

HEADS OF THE DEPARTMENT

S.no	Name	Qualification	Designation	Year
1	Dr. S. Srivani	M.Sc., B.Ed,Ph.D.,MBA., DAST(CMC)	Head	Dec 2017-Present.
2	Dr. G.Y.Bhargavi	M.Sc., Ph.D	Head	2009-Nov 2017
3	Dr.Shubha hatnagar	M.Sc., Ph.D	Head	2007-2009
4	Mrs.Praveen Sexena	M.Sc	Head	Aug-Dec 2006
5	Dr. Sabiha Sikander	M.Sc., Ph.D	Head	2003-06

PRESENT TEACHING FACULTY (2023-2024)

S.no	Name	Qualification
1	Dr. Manjula .M. Reddy	M.Sc., B.Ed., Ph.D, SLET
2	Dr.C. Manjusha	M.Sc., Ph.D
3	Dr.D. Suneetha Devi,	M.Sc., B.Ed., Ph.D
4	Ms.Sharon Triveni Prasad	M.Sc
5	Ms.V.Usha Madhuri	M.Sc

TEACHING STAFF (2022-2023)

S.no	Name	Qualification
1	Dr. Manjula M Reddy	M.Sc., B.Ed, Ph.D., SLET
2	Dr. C Manjusha	M.Sc., Ph.D.
3	Dr. D. Suneetha Devi	M.Sc., B.Ed., Ph.D
4	Ms.J. Srilekha	M.Sc. B.Ed

TEACHING STAFF (2021-2022)

S.no	Name	Qualification
1	Dr. Manjula M Reddy	M.Sc., B.Ed, Ph.D., SLET
2	Dr. C Manjusha	M.Sc., Ph.D.
3	Dr. D. Suneetha Devi	M.Sc., B.Ed., Ph.D

TEACHING STAFF (2020-2021)

S.no	Name	Qualification
1	Dr. Manjula .M. Reddy	M.Sc., B.Ed., Ph.D, SLET
2	Dr.C. Manjusha	M.Sc., Ph.D
3	Dr.D. Suneetha Devi,	M.Sc., B.Ed., Ph.D
4	Ms.Syeda Faeza Faiz	M.Sc

TEACHING STAFF (2019-2020)

S.no	Name	Qualification
1	Dr. Manjula .M. Reddy	M.Sc., B.Ed., Ph.D, SLET
2	Dr.C. Manjusha	M.Sc., Ph.D
3	Dr.D. Suneetha Devi,	M.Sc., B.Ed., Ph.D
4	Ms.K. Divya	M.Sc., SLET
5	Ms. K. Manisha	M.Sc., SLET

TEACHING STAFF (2018-2019)

S.no	Name	Qualification
1	Dr. Manjula .M. Reddy	M.Sc., B.Ed., Ph.D, SLET
2	Dr.C. Manjusha	M.Sc., Ph.D
3	Dr.D. Suneetha Devi,	M.Sc., B.Ed., Ph.D
4	Ms. Nachuri Kavya	M.Sc. B.Ed

2. STAFF PROFILE

PRESENT TEACHING FACULTY

S.no	Name	Qualification	Teaching experience
1	Dr. Manjula .M. Reddy	M.Sc., B.Ed., Ph.D, SLET	26 years
2	Dr.C. Manjusha	M.Sc., Ph.D	26 years
3	Dr.D. Suneetha Devi,	M.Sc., B.Ed., Ph.D	26 years
4	Ms.Sharon Triveni Prasad	M.Sc	9 months
5	Ms.V.Usha Madhuri	M.Sc	8 months

Lab Assistant- Mrs Samporna

NON-TEACHING STAFF

T. Vani Sri

FACULTY PROFILE

Name: Dr. MANJULA M REDDY

Current Position: Associate Professor in Zoology (P.G.)
and General Secretary of Alumnae Association (SNVMV)

Work Experience: 26 Years

Mobile no: 9441125099

Email: manjulaa.mreddy@gmail.com

Educational qualification: M.Sc., B.Ed., Ph.D., SLET

Ph.D. Thesis Entitled: "Protective Effects Of Aqueous Extract Of Tamarindus Indica
Fruit On Neuromuscular Tissues Of Rat With Experimental
Fluorosis"

Research Supervisor: Prof. K. Pratap Reddy
Neuroscience Lab, Department of Zoology. University College
of Science, Osmania University

Membership:

- Lifetime member of the Indian Science Congress.
- Indian Association for the Advancement of Veterinary Parasitology (IAAVP)

Academic Contribution:

1. Project Guided: Guided M.Sc. Research Projects for 2 students of Vivek Vardhini Arts and Science College affiliated to Osmania University.
2. Paper Setter and Paper Evaluator for Autonomous colleges.

Seminars\Webinars Organized:	02
Faculty Development Programs Organized:	01
Workshops Organized:	01
Seminar/Webinars Attended:	07
Workshops Attended:	04
Faculty Development Programs Attended:	04
Refresher Courses Attended:	02



Name: Dr. C MANJUSHA
Current Position: Associate Professor in Zoology (P.G.)
Work Experience: 26 Years
Mobile no: 9989158581
Email: chinthalamanjusha@gmail.com
Educational Qualifications: M.Sc., Ph.D
Ph.D. Thesis Entitled: "Studies on Certain Physiological Aspects of Nematode parasite "*Camallanus ranae*".
Research Supervisor: Prof. G.V. Ramakrishna
Department of Zoology, Nizam College, Osmania University,
Hyderabad.



Animal Welfare Club: Convenor of Animal Welfare Club

Research Publications:	04
Seminars\Webinars Organized:	02
Faculty Development Programs Organized:	01
Workshops Organized:	01

Academic Contribution:

1. Project Guided: Guided M.Sc. Research Projects for 4 students of Vivek Vardhini Arts and Science College affiliated to Osmania University.
2. Paper Setter and Paper Evaluator for Affiliated and University Colleges.
3. As an external examiner to Telangana Mahila Viswavidyalayam, Womens University, University College for Women, O.U, Koti.

Membership:

1. Lifetime member of the Indian Science Congress.
2. Indian Association for the Advancement of Veterinary Parasitology (IAAVP)

Guest Lectures:	02
Seminar\Webinars Attended:	07
Workshops Attended:	04
Faculty Development Programs Attended:	04
Refresher Courses Attended:	02

Name: Dr. D SUNEETHA DEVI
Current Position: Associate Professor in Zoology (P.G.)
Work Experience: 26 Years
Mobile No: 8106482571
Email: Suneethavanitha91@gmail.com
Educational Qualifications: M.Sc., B.Ed., Ph.D.



Ph.D Research topic: "Ecology of Helminthocoenosis and the life cycle of *Gangesia* species from the freshwater catfish, *Wallago attu*."

Research Supervisor: Dr. Rama Devi
Reader in Zoology,
SNVMV, Exhibition Grounds,
Hyderabad.

Research Publications: 02

Resource Person: for Add-on course on Sericulture, 2022

Membership:

- Lifetime member of the Indian Science Congress.
- Indian Association for the Advancement of Veterinary Parasitology (IAAVP)

Academic Contribution:

1. Paper Setter and Paper Evaluator for Affiliated and University Colleges.

Seminars\Webinars Organized:	02
Faculty Development Programme Organized:	01
Workshops Organized:	01
Seminar/webinars attended:	06
Workshops attended:	04
Faculty Development Programmes attended:	04
Refresher courses attended:	02

Name: SHARON TRIVENI PRASAD

Current Position: PG Zoology Lecturer

Work Experience: 9 months

Educational Qualification: M.Sc.

Phone number: 8179049818

E-mail address: trivenisharon2000@gmail.com

Skills: Teaching skills, computer skills, interpersonal skills,
management skills, creative skills, and communication skills.

Seminars/Webinars/Workshops attended: 01

Faculty Development Program: 02



Name: USHA MADHURI VEMMULA
Current Position: PG Zoology Lecturer
Work Experience: 9 months
Educational Qualification: M.Sc
Email Id: vemmulaushamadhuri395@gmail.com
Mobile No: 8978773956



Achievements:

- Gold medalist in Zoology (2018).
- Passed MS Office (computers) with a distinction of 84%.
- Holds a rank in NCC as SERGEANT and selected for IUC-RDC.

Publications: Title: "A Study on the Effect of Azithromycin on Gut bacteria-*Lactobacillus* in a UGC Care listed international journal (IJNRD).

Technical Skills: Computers: MS Word, PowerPoint presentation, MS Excel.
(also basic computer operations).

Seminar/FDPs/ Workshops Attended: 01

2. TIME TABLE

SAROJINI NAIDU VANITA MAHAVIDYALAYA:HYD
M.Sc ZOOLOGY DEPARTMENT TIME TABLE- 2023-2024 (SEM II & IV)

	10am-11am	11am-12pm	12pm-1.00pm	LUNCH	1.30pm-2.30pm			2.30pm-3.30pm		3.30pm-4.30pm	
					← P-I,SH[EVB] →			MM →		UM →	
MONDAY	P-I[E/SB] SH	P-III[AP] CM	P-II[IMM] UM								
	P-I[AB] MM	P-II [AZ] SU	← P-I[AB]								
TUESDAY	P-III[AP] UM	P-IV [GDB] SH	← P-II[IMM]								
	P-I[AB] MM	P-II [AZ] SU	← P-III								
WEDNESDAY	P-I[EVB] SH	P-IV [GDB] UM	← P-III [AP]					CM,SH →			
	P-II[AZ]SU	UMP-III TOX/CAP MM/CM	← P-II[AZ]					SU →			
THURSDAY	P-II[IMM] UM	P-IV [GDB] SH	← P-IV,GDB,SH →					P-IV [GDB] UM →			
	P-I [AB] MM	P-III [TOX/CAP MM/CM	SEMINER[CM]								
FRIDAY	P-I [EVB] SH	P-III,[AP] UM	SEMINER[SH]		SEMINAR[SU]			REFERENCE			
	P-III [TOX/CAP MM/CM	MM,CM,SU	MM,CM,SU					MM,CM,SU			
SATURDAY	P-II[IMM] UM	← P-I,EVB,SH →			SEMINAR[UM]						
	MM,CM,SU	MM,CM,SU	MM,CM,SU								

MM-DR.MANJULA M REDDY
 CM- DR.C.MANJUSHA
 SU-DR D SUNEETHA DEVI
 SH- MS. SHARON TRIVENI
 UM- MS. USHA MADHURI

SAROJINI NAIDU VANITA MAHA VIDYALAYA:HYD M.Sc ZOOLOGY DEPARTMENT TIME TABLE- 2023-2024(SEM I & III)												
		10am-11am	11am-12pm	12pm-1.00pm	LUNCH	1.30pm-2.30pm			2.30pm-3.30pm		3.30pm-4.30pm	
						SH,XI →			P-III →		Reference	
MONDAY	I YR	ATIB(SH)	BIT(UM)	← BIT-P-IV								
	II Yr	RM(SU)	TOX-I(MM) CAP-I(CM)	← TOX-I(MM) CAP-I(CM)		P-III →			Reference			
TUESDAY	I YR	ECB(SH)	SB(UM)	← ECB		P-II,SH-BATCHES-2 →						
	II Yr	SMB(MM)	EN-(CM) SER-(SU)	← EN,CM SER-SU.		P-IV, P-IV →			SEMINER			
WEDNESDAY	I YR	ATIB(SH)	BIT-UM	← ATIB,P-I		CM,SH →						
	II Yr	RM-SU	TOX-I-MM CAP-I-CM	← SMB,P-I		MM →						
THURSDAY	I YR	ATIB-SH	SB-UM	← SB,P-III		UM →						
	II Yr	SMB-MM	ENT-CM SER-SU	← RM,P-II		SU →						
FRIDAY	I YR	SB-UM	ECB-SH	SEMINAR		REFERENCE						
	II Yr	RM-SU	TOX-I, (MM) CAP-I (CM)	← TOX-I,(MM) CAP-I,(CM)		P-III →			SEMINER			
SATURDAY	I YR	BIT-UM	ECB,(SH)	SEMINAR		REFERENCE						
	II Yr	SMB-MM	EN-(CM) SER-(SU)	← EN-CM SER-SU		P-IV →			Reference			

MM-Dr.Manjula M Reddy
 CM-Dr.C.Manjusha
 SU-Dr.D.Suneeta Devi
 SH-Ms.Sharon Triveni
 UM-Ms,Usha Madhuri

4. PROGRAMME-M.SC ZOOLOGY

COURSES OFFERED

Academic Year	Semester - I	Semester – II
2016-2018	1. Structural biology. 2. Environmental and Conservation Biology. 3. Immunology. 4. Taxonomy, Systematics and functional Anatomy of Invertebrates.	1. Tools, Techniques and Biostatistics. 2. Animal Physiology. 3. Molecular Genetics and Developmental Biology. 4. Evolution and functional Anatomy of Vertebrates.
	Semester - III	Semester – IV
	1.Systems Biology 2.Research Methodology 3.Comparative Animal Physiology-I 4.Sericulture	1.Animal Biotechnology 2.Fish Biology 3. Comparative Animal Physiology-II 4.Project
2018-2020	Semester - I	Semester – II
	1. Structural biology. 2. Environmental and Conservation Biology. 3. Immunology. 4. Advances in taxonomy and functional Anatomy of Invertebrates.	1. Tools, Techniques and Biostatistics. 2. Animal Physiology. 3. Molecular Genetics and Developmental Biology. 4. Evolution and functional Anatomy of Vertebrates.
	Semester - III	Semester – IV
	1.Systems Biology 2.Research Methodology 3.Comparative Animal Physiology-I 4. Applied Toxicology	1.Animal Biotechnology 2.Fish Biology 3. Comparative Animal Physiology-II 4.Project
2020-2022	Semester - I	Semester – II
	1. Structural biology. 2. Environmental and Conservation Biology. 3. Immunology. 4. Advances in taxonomy and functional Anatomy of Invertebrates.	1. Tools, Techniques and Biostatistics. 2. Animal Physiology. 3. Molecular Genetics and Developmental Biology. 4. Evolution and functional Anatomy of Vertebrates.
	Semester - III	Semester – IV
	1.Systems Biology 2.Research Methodology 3.Comparative Animal Physiology-I 4. Applied Toxicology	1.Animal Biotechnology 2.Fish Biology 3. Comparative Animal Physiology-II 4.Project
2022-2024	Semester - I	Semester - II
	1. Advances in Taxonomy and Invertebrate Biology. 2. Environmental and Conservation Biology. 3. Structural Biology. 4. Biological Instrumentation and Techniques.	1. Evolution and Vertebrate Biology. 2. Immunology. 3. Animal Physiology. 4. Genetics and Developmental Biology.
	Semester - III	Semester - IV
	1.Systems Biology 2.Research Methodology 3.Elective Papers-I 3. Comparative Animal Physiology-I 4. Toxicology-I 4.Elective Papers-II 1. Sericulture 2. Endocrinology	1.Animal Biotechnology 2.Applied Zoology 3.Elective Papers-III 1. Comparative Animal Physiology-II 2. Toxicology-II 4.Project

Add-On Course On Sericulture For M.Sc. Zoology From 15th December 2022 To 31st January 2023

SAROJINI NAIDU VANITA MAHA VIDYALAYA
(Affiliated to Osmania University, Recognised by TSBIE & Approved by AICTE)
(Sponsored & Managed Jointly by Osmania Graduates' Association and Exhibition Society)
Exhibition Grounds, Nampally, Hyderabad - 500001
NAAC Accredited 3rd Cycle

DEPARTMENT OF ZOOLOGY

is Conducting
an Add-on Course in
SERICULTURE
For
M. Sc Zoology Students

Course commences from
15-12-2022 to 31-01-2023

SAROJINI NAIDU VANITA MAHA VIDYALAYA
(Sponsored & Managed Jointly by Osmania Graduates' Association and Exhibition Society)
Exhibition Grounds, Nampally, Hyderabad, Ph-440255676
NAAC Accredited 3rd Cycle

Add on Course - Sericulture

This is to certify that Ms. Orbi Pehel
of M.Sc - Zoology has successfully completed the Add on Course
in "Sericulture" held from 15th December 2022 to 31st January
2023 conducted by Department of Zoology

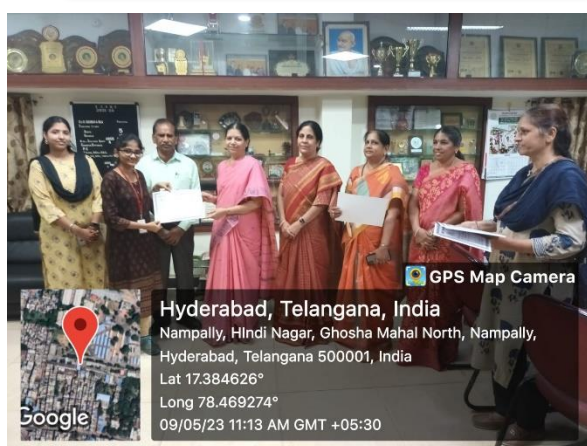
Dr. D. Suneeta Devi Course Coordinator
Dr. S. Srivani Head, Dept. of Zoology
Dr. D. Shobhana Principal

SAROJINI NAIDU VANITA MAHA VIDYALAYA
(Sponsored & Managed Jointly by Osmania Graduates' Association and Exhibition Society)
Exhibition Grounds, Nampally, Hyderabad, Ph-440255676
NAAC Accredited 3rd Cycle

Add on Course - Sericulture

This is to certify that Ms. Nikhal Fatima
of M.Sc - Zoology - II has successfully completed the Add on Course
in "Sericulture" held from 15th December 2022 to 31st January
2023 conducted by Department of Zoology

Dr. D. Suneeta Devi Course Coordinator
Dr. S. Srivani Head, Dept. of Zoology
Dr. D. Shobhana Principal



5. STRENGTH OF LAST 5 YEARS

Students in-take during Academic years 2018-2024

Year	Intake
2023-2024	39
2022-2023	29
2021-2022	39
2020-2021	36
2019-2020	36
2018-2019	38

6. INFRASTRUCTURE AND FACILITIES

1. Laboratory 1.
2. Laboratory II.
3. Digitalized class room (Room.no-14)
4. Theory class room (Room.no-15)
5. Chemical Preparatory room.
6. Rearing Room-Sericulture lab
7. Museum- with rich collection of specimen
8. Research laboratory – well equipped

DEPARTMENTAL LIBRARY

1. Number of Books in Seminar: 1012
2. Number of Books in Departmental Library: 50
3. Books donated by Staff to the Department: 150

S.no	Classification of Books/Titles	No. of Books
1	General Biology	26
2	Invertebrates	30
3	Vertebrates	12
4	Physiology	16
5	Genetics	10
6	Cell & Molecular Biology	13
7	Evolution	17
8	Developmental Biology	06
9	Practical Manuals - Vertebrates and Invertebrates	20

JOURNALS

1. Journal of Entomology and Zoology Studies
2. International Journal of Advanced Scientific Research
3. International Journal of fisheries and Aquatic Studies
4. International Journal of Environmental Research and Development
5. Biology Today

LIST OF SLIDES

01. Frog Embryo W.M
02. Frog Tadpole
03. Frog - Neural Fold Stage
04. Frog Embryo
05. Frog Gastrula Stage
06. Frog Blastula Stage
07. Frog Morula Stage
08. Early Cleavage (4 Celled Stage)
09. T.S-Thyroid Gland Of Mammal
10. T.S-Lymph Gland Of Mammal
11. T.S-Adrenal Gland Of Mammal
12. T.S-Pancreas Of Mammal
13. T.S-Spleen Of Mammal
14. T.S-Uterus Of Mammal
15. T.S-Ovary Of Mammal
16. Blood Smear Of Mammal
17. T.S-Testis Of Mammal

LIST OF SPECIMENS

<u>Museum Specimens</u>
Phylum Porifera
1 .Chalina Sponge.
2. Cinachyra
3. Euspongia (Bath Sponge)
4. Halichondria (Bread Sponge)
5. Microciona
6. Sycon
7. Spongilla – 2
8. Hyalonema
9. Euplectella
<u>Phylum Coelenterata</u>
1.Alcyonium – 2
2.Astraea
3.Corallium Rubrum
4.Echino Gorgonia
5.Favia
6.Fungia
7.Gorgonia – Flabellum
8.Gorgonia – Verrucosa
9.Madrepora
10.Meandrina (Brain Coral)
11.Metridium (Sea Anemone)
12.Millepora
13.Pennatula
14.Physalia

15.Porpita
16.Rhizostoma
17.Stylaster
18.Tubipora
19.Vellela
20. Zoanthus
21. Lecosolenia
22.Aurelia(Jellifish)
<u>Phylum Platyhelminthes</u>
1. Fasciola Hepatica (Liver Fluke)
2. Taenia Solium (Tape Worm)
<u>Phylum Nematyhelminthes</u>
1. Ascaris - Male
2. Ascaris Female
3. Dracunculus (Guinea Worm)
4.Cyadder Worm)
6.Taenia With Scolex
<u>Phylum Annelida</u>
1 .Aphrodite (Sea Mouse) -2
2. Arenicola-2
3. Chaetopterus
4. Heteronereis
5. Leech
6. Nereis
<u>Phylum Arthropoda</u>
1.Aranea
2.Balanus
3.Butterfly Life History Set
4.Carcinus
5.Cockroach Life History Set
6.Crabs
7.Galeodes
8.Hermit Crab
9.Housefly Life History Set
10.Julus (Millipede)
11.Lepas (Goose Barnacle)
12.Life Cycle Of Crab
13.Limulus
14.Lobster
15.Mantis
16.Mosquito Life History Set
17.Palaemon (Prawn
18.PALAMNAEUS (BLACK SCORPION)
19.Palinurus (Spiny Lobster)

20.Peripatus
21.Sacculina With Host
22.Scolopendra (Centipede) -2
23.Scutigera
24.Silkworm Life History
25.Squilla
26.Palamnaeus(Brown Scorpion)
<u>Phylum Mollusca</u>
1.Chiton
2.Dentallium Shell
3.Echinus-2
4.Helix
5.Limax (Slug)
6.Loligo-2
7.Mytilus
8.Nautilus S (Shell)-3
9.Octopus-2
10.Pectin
11.Pinctada (Pearl Oyster)
12.Sepia (Cuttle Fish)-2
13. Sipunculus
14. Teredo
<u>Phylum Echinodermata</u>
1.Antedon
2.Asterias (Star Fish)
3.Clypeaster (Cake Urchiin)
4.Cucumaria
5.Echinocardium (Heart Urchin)
6.Echinus-2
7.Holothuria (Sea Cucumber)
8.Ophiothrix (Brittle Star)
<u>Vertebrate</u>
Sub: Phylum Protochordata
1.Amphioxus
2.Balanoglossus
3.Herdmania
<u>Class Cyclostomata</u>
1. Petromvzon
<u>Class Pisces (Fishes)</u>
1.Amia Calva
2.Anabus (Seer Fish, Climbingperch)
3.Anguila (Eel)
4.Arius (Male With Eggs)
5.Barbus
6.Belone
7.Cirrihinus
8.Clarius
9.Cybiuns

10.Cyprinus
11.Diodon (Porcupine Fish)
12.Echenius (Sucker Fish)
13.Etropus Suratenis (Pearl Spot)
14.Exocoetus (Flying Fish)
15.Gobins
16.Harpodon (Bombay Duck)
17.Hilsa
18.Hippocampus (Sea Horse)
19.Labeo
20.Muraenesox (Telabon)
21.Mystus
22.Notopterus
23.Ophiocephalus (Channa)
24.Pleuronectus (Solea)
25.Pomphret
26.Pristis (Saw Fish)
27.Protopterus (Lung Fish)
28.Rita
29.Stromateus Argenteus (Silver Porn Fret)
30.Shark Embryo With Yolksac
31.Thunnus
32.Tiger Shark
33.Torpedo
34.Trichiurus (Ribbon Fish)
35.Trichogaster
36.Trygon (Sting Ray)
37.Zygaena (Hammer Headed Shark)
<u>Class- Amphibia</u>
1.Amblystoma
2.Axolotl Larva
3.Bufo
4.Frog Life History Set
5.Hyla -2
6.Necturus
7.Newt
8.Rana✓
9.Rhacophorus (Flying Frog) 2
10.Salamander
11.Siren
<u>Class Reptilia</u>
1.Ancistron (Pitviper)

2.Bangarus
3.Calotes Versicolor
4.Chamaeleon
5.Chelone Mydas
6.Chrysemys (Painted Terrapin)
7.Cobra
8.Crotalus (Rattle Snake)
9.Dhamin
10.Draco
11.Echis (Phoorsa)
12.Enhydrina (Sea Snake)
13.Eryx Johnii (Doudle Headed Snake)
14.Hydrophis (Water Snake)
15.Krait (Banded)
16.Russels Viper (Vipera Russeli)
17.Tree Snake
18.Trionyx
19.Tropedonotus Natrix (Grass Snake)
20.Typhlops (Blind Snake)
<u>Class Pisces (Fishes)</u>
1.Amia Calva
2.Anabus (Seer Fish, Climbingperch)
3.Anguila (Eel)
4.Arius (Male With Eggs) -4
5.Barbus
6.Belone
7.Cirrihis

8.Clarius
9.Cybiuns
10.Cyprinus
11.Echenius (Sucker Fish)
12.Diodon (Porcupine Fish) 410
13.Etroplus Suratensis(Pearl Spot)
14.Exocoetus (Flying Fish) ✓
15.Gobies
16.Harpadon (Bombay Duck)
17.Hilsa
18.Hippocampus (Sea Horse)
19.Labeo
20.Muraena helena
21.Mystus
22.Notopterus
23.Ophiocephalus (Channa)
24.Pleuronectus (Solea)
25.wallago Attu - 2
26. Channa striatus
27.Arius
28. Stegastoma (Zebra Shark)
29.Salmosoma Bacaila
<u>List Of Models</u>
Phylum Protozoa
1.Amoeba

3.Paramecium
4.Paramecium (Life Cycle)
Phylum Platyhelminthes
6.Fasciola hepatica (Life History)
<u>Phylum Annelida</u>
1.Leech
<u>Phylum Arthropoda</u>
1.Life History (Anopheles)
2.Mouth Parts - Anopheles, Culex & Honey bee
3.Common Tropical Housefly (Life History)
4.Rat Flea (Life History)
<u>Phylum Echinodermata</u>
1.Star Fish
<u>Phylum Protochordata</u>
1.Anatomy Of Amphioxus
2.Anatomy Of Ascidia
3.Amphioxus Development
<u>Class Pisces</u>
1.Fish Brain
2.Fish Heart
<u>Class Amphibia</u>
1.Frog Developmental Stages
2.Frog Brain
3.Frog Heart

4.Frog - Eye
<u>Class Reptilia</u>
1.Calotes Viscera
2.Calotes Brain
3.Pigeon Viscera
4.Pigeon Brain
5.Pigeon Heart
6.Sphenodon
<u>Class Mammalia</u>
1.Mammalian Skin
3.Macropus (Kangaroo With Baby)
4.Aptenodytes (Penguin)
5.Tachyglossus/spiny ant eater
<u>List Of Osteology (Bones)</u>
I-Articulated
<u>Class Pisces</u>
1. Murrel
2. Catla
<u>Class Amphibia</u>
1.Frog Rana
<u>Class Reptilia</u>
1. Varanus
2.3 Dhamin
3. Tortoise
<u>Class Aves</u>
1.Fowl

2.Pigeon
3.Horn Bill
4 Duck
Class Mammalia
1.Rabbit
2.Monkey
3.Bat
4.Squirrel
5.Limb Bone of Cow
6.Ungulated Limb Bones - Horse
7.Human Body Bleached Skeleton
<u>Disarticulated Bones</u>
1.Frog Skeleton
2.Varanus Skeleton
3.Fowl Skeleton
4.Rabbit Skeleton
5.Uromastix
6.Varanus
7.Zamenis (Ptyas)
<u>Class Reptilia</u>
1.Crocodilus
2.Gavialis
3.Turtle
<u>Class Aves</u>
1.Archaeopteryx
2.Cygnus (Black Swan)

3.Cyanocitta (Blue Jay)
4.Pycnomotus (Bulbul)
5.Crane
6.Corvus (Crow)
7.Anas (Duck)
8 Falco (Falcon)
9.Fowl
10. Alcedo (King Fisher) Opened Wings
11.Alcedo (King Fisher) Closed Wings
12.Haliastur (Kite)
13.Eudynamis (Koel) Female
14.Myna (Black Headed)
15.Bubo (Owl)
16.Psittacus (Parrot)
17.Perdix Alectoris (Partridges)
18.Phasiaunus (Pheasant)
19.Columba (Pigeon)
20.Pond Heron
21.Coturnix (Quail)
22.Passer (Sparrow) (Male & Female)
23.Picus (Wood - Pecker)
24.Upupa (Hoopoe)
<u>Class Mammalia</u>
1.Pteropus (Flying Fox)
2.Erinaceus (Hedge Hog)
3.Cavia (Guinea Pig)
4.Loris (Pocket Monkey)

5.Herpestes (Mongoose & Snake)
6.Herpestes (Mongoose)
7.Macaca (Monkey)
8.Rattus rattus (Rat)
9.Rabbit
10.Manis (Scaly Ant Eater)
11.Funambulus (Squirrel)
12.Crocidura (Shrew)

LIST OF SERICULTURE SPECIMENS

1	1 st Instar Larva
2	2 st Instar Larva
3	3 st Instar Larva
4	4 st Instar Larva
5	5 st Instar Larva
6	Pebrine Diseases
7	Flacherrie
8	Grassaric
9	Tukra Diseases
10	Uzifly
11	Uzifly
12	NB7 Cocoons
13	Nb18 Cocoons
14	NB4D2 Cocoons
15	Kaligpong Cocoons
16	Tasar Cocoons
17	Eri Cocoons
18	Cross Bred Cocoons
19	Local Variety Cocoons
20	V1 Variety leaf
21	S36 Variety Leaf
22	Terminalia Leaf
23	Bombyx mori moth
24	Eri silk moth

LIST OF GLASSWARE

S.no	Item	Quantity
1	Burettes	40
2	Beaker 1000ml	10
3	Beaker 500ml	10
4	Beaker 250ml	10
5	Beaker 100ml	20
6	Cavity blocks	20
7	Centrifuge tubes	200
8	Conical flasks 250ml	6
9	Conical flasks 100ml	50
10	Coupling jars	35
11	Droppers	20
12	Bottle washers	20
13	Burettes (tarsons)	40
14	Enamel Jugs 1000ml	5
15	Enamel Jugs 500ml	5
16	Glass rods	10
17	Micropipettes 10ml	20
18	Micropipettes 5ml	20
19	Micropipettes 1ml	80
20	Mortar and pestles	20
21	Petridishes	60
22	Pneumatic troughs	8
23	Porcelain plates	4
24	Porcelain troughs	4
25	Reagent bottle – Narrow mouth bottle 125ml	100
26	Narrow mouth60ml	50
27	Wide mouth bottles100ml	50
28	Respiratory chambers	16
29	Spatula	10

30	Specimen Jars	45
31	Staining jars (Rectangular)	12
32	Suction bulbs	20
33	Tripod stands	5
34	Thermometers	5
35	Test tube holders	25
36	Funnels	5
37	Funnels	4
38	Funnels	6
39	Wide mouth bottles- borosil with lids	2
40	Narrow mouth bottles 500ml	2
41	Narrow mouth bottles 250ml	2
42	Buckner flask	2
43	Measuring cylinders	50
44	Measuring cylinders 500ml	2

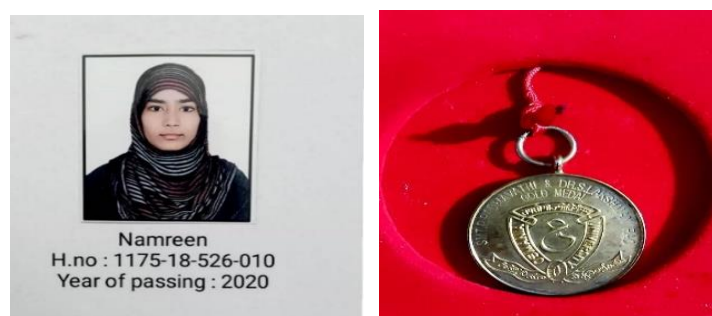
7. ACHIEVEMENTS AND RECOGNITIONS

STUDENTS WITH ACADEMIC EXCELLENCE

List of Academic Prizes For Securing Highest Marks In M.Sc Zoology

List of Osmania University Toppers Hatrick

Hall Ticket No.	Name	year
1175-19-526-034	Mariya Surayya Tasneem	2021
1175-18-526-010	Namreen	2020
1175-17-526-002	Faeza Faiz	2019

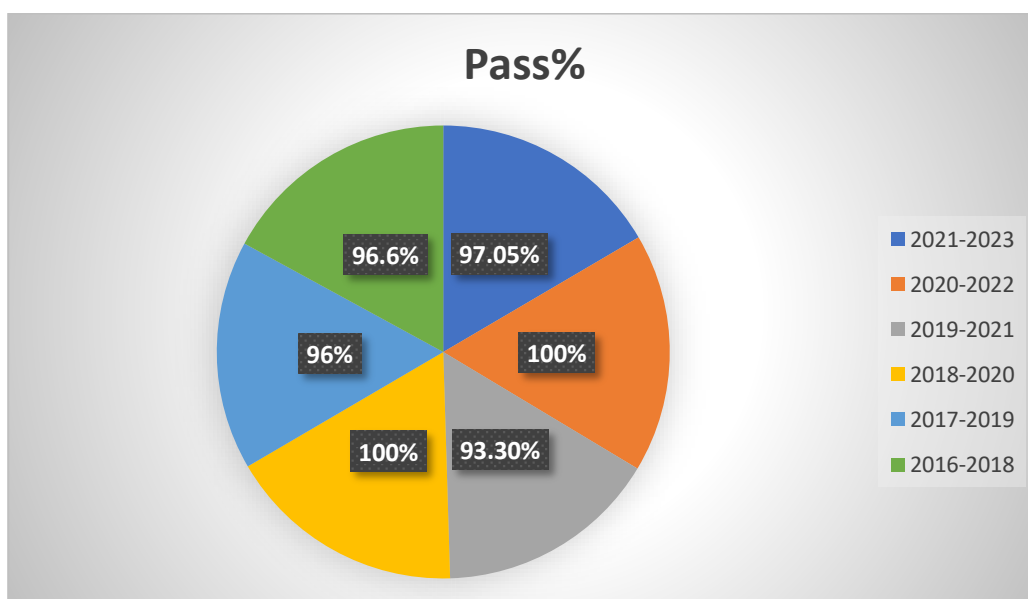


M.Sc Zoology Final Year General Proficiency Gold Medals (2018-2021)

Hall Ticket No.	Name
1175-21-526-007	Owk Phebe
1175-20-526-011	P.Priya Kiran
1175-19-526-003	Fathima Jabeen
1175-19-526-010	Fazilath Fathima
1175-19-526-034	Mariya Surayya Tasneem
1175-18-526-002	Husna Raoof
1175-18-526-010	Namreen
1175-17-526-002	Faeza Faiz

8. RESULT ANALYSIS

S.No	Year	Appeared	Passed	Pass%
1	2021-2023	34	33	97.05%
2	2020-2022	31	31	100%
3	2019-2021	30	28	93.3%
4	2018-2020	34	34	100%
5	2017-2019	24	23	96%
6	2016-2018	30	29	96.6%



9. STUDENT ACTIVITIES

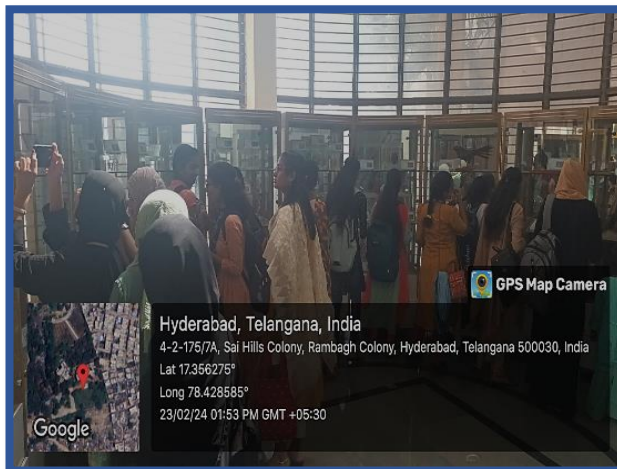
S.No	Year	Student Activity
1	February 23 rd 2024	Visit To Freshwater Biology Research Station, Zoological Survey Of India, Hyderabad.
2	February 3 rd 2024	Visit To Central Facilities For Research And Development (Cfrd), Ou.
3	NOVEMBER 23 rd -25 th 2023	Students Of M.Sc. Zoology Of Semester I And III Attended A Workshop On “Biological Techniques And Research Methodology” Organized By The Department Of Zoology, Telangana Mahila Viswavidyalayam, Koti, Hyderabad, Telangana.
4	November 19 th 2022	Students Were Taken To Cytomol Labs To Gain Hands-On Experience On Molecular Techniques.
5	March 24 th 2022	Students Of M.Sc. Zoology Were Taken To The Department Of Zoology, Osmania University For An Open House “Osmania Tasksh”.
6	March 10 th 2022	M.Sc Zoology Students Attended The Terrace Gardening Training Programme Organized By Nipuni, Snvmv At Horticulture Training Institute, Red Hills.
7	February 28 th 2022	M.Sc. Zoology Students Were Taken On The Occasion Of Rare Disease Day To The Institute Of Genetics And Hospital For Genetic Diseases, Osmania University, Begumpet, Hyderabad.
8	February 25 th 2020	Students Were Taken To Visit Kamineni Hospital Organised By The Department Of Genetics & Molecular Medicine On “Genomics In Current Day Medical Practice”.
9	December 9 th -10 th 2018	Students Were Taken To Two-Day Workshop On Immunological Training Technique At Vasavi Hospital, Lakdi-Ka-Pul, Khairthabad.

Student Activities-2024:

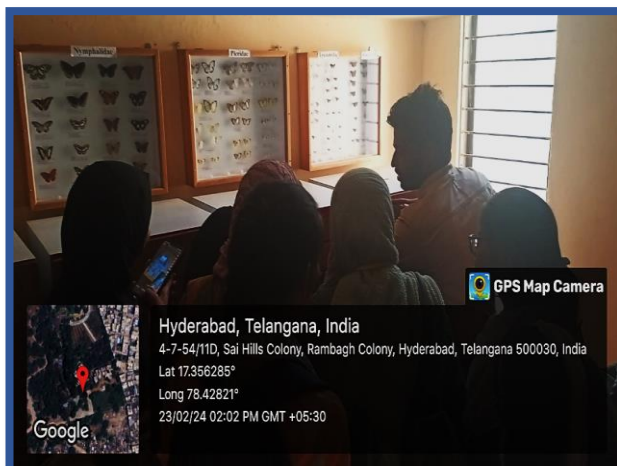
1. Visit To Freshwater Biology Research Station, Zoological Survey Of India, Hyderabad, On February 23rd 2024



Dr.Karutha Pandi, Scientist D at ZSI briefing about ZSI history



Students observing specimens at ZSI Museum



Students observing and identifying various butterfly specimen

2. Visit To Central Facilities For Research And Development (Cfrd), Ou On February 3rd 2024



Student Activities-2023:

3. Students Of M.Sc. Zoology Of Semester I And III Attended A Workshop On **“Biological Techniques And Research Methodology”** Organized By The Department Of Zoology, Telangana Mahila Viswavidyalayam, Koti, Hyderabad, Telangana From 23rd – 25th November 2023.



Students observing Column Chromatography



Dr. Sunila, Associate Professor Department of Zoology of TVM, KOTI Explaining Microtome and its Application

Student Activities-2022:

4. Students Were Taken To Cytomol Labs To Gain Hands-On Experience On Molecular Techniques On 19th November 2022



5. Students Of M.Sc. Zoology Were Taken To The Department Of Zoology, Osmania University For An Open House “Osmania Tasksh” On 24th March 2022





Equipment such as HPLC, Analgesimeter are observed

6. M.Sc Zoology Students Attended The Terrace Gardening Training Programme Organized By Nipuni, Snvmv At Horticulture Training Institute, Red Hills, On 10th March 2022



7. M.Sc. Zoology Students Were Taken On The Occasion Of Rare Disease Day To The Institute Of Genetics And Hospital For Genetic Diseases, Osmania University, Begumpet, Hyderabad On 28th February 2022



M.Sc Zoology 1st year



8. Students Were Taken To Visit Kamineni Hospital Organised By The Department Of Genetics & Molecular Medicine On “Genomics In Current Day Medical Practice”, 25th February 2020



venue: indira auditorium, kamineni hospitals, lb nagar, hyderabad.

9. Students Were Taken To Two-Day Workshop On Immunological Training Technique At Vasavi Hospital, Lakdi-Ka-Pul, Khairthabad 9th - 10th December 2018



10.FIELD TRIPS

S.No	Year	Field Trip
1	January 22 nd 2024	A Field Trip Was Organized To Sericulture Reeling, Rearing Center And Marketing Unit Located At Jangoan For M.Sc Zoology Final Year Students.
2	December 13 th 2023	Students Of M.Sc Zoology Semester III Were Taken To The Cocoon Market In Tirmulgiri, Secunderabad
3	December 14 th 2022	Visit to Pocharam wildlife sanctuary – Medak

FIELD TRIP-2024

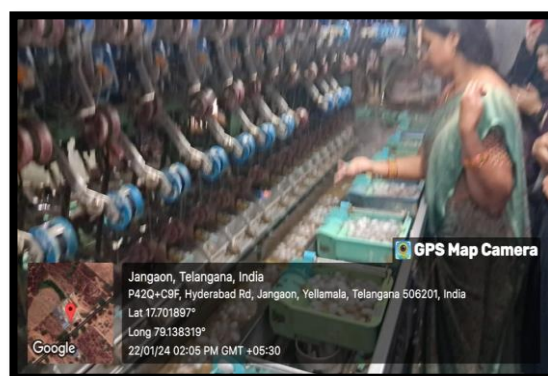
1. A Field Trip Was Organized To Sericulture Reeling, Rearing Center And Marketing Unit Located At Jangoan For M.Sc Zoology Final Year Students On 22nd January 2024



Rearing Centre



Marketing Unit



Reeling Unit

FIELD TRIP-2023

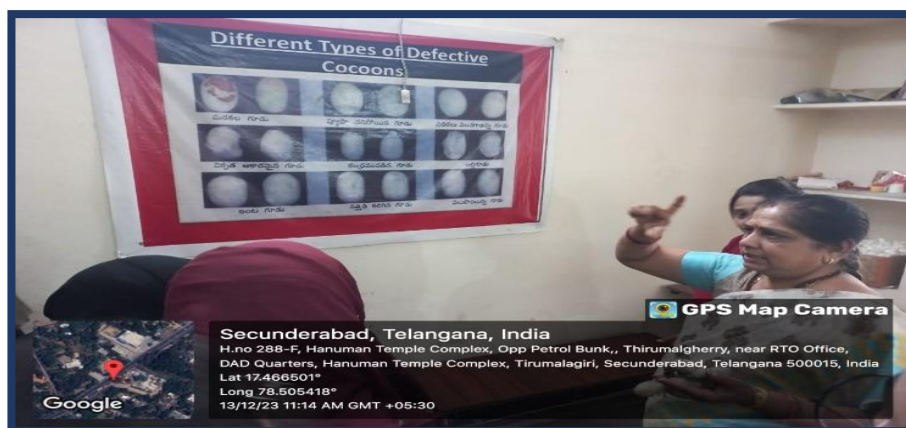
2. Students Of M.Sc Zoology Semester III Were Taken To The Cocoon Market In Tirmulgiri, Secunderabad On 13th December 2023



Students at the cocoon market



Students being briefed about the auctioning of the cocoons



Different types of Defective Cocoons being explained to students by Dr. D.Suneetha Devi

FIELD TRIP-2022

3. Visit to Pocharam wildlife sanctuary – Medak on December 14th 2022.



11. OUTREACH PROGRAMME

S.no	Year	Outreach Programme
1	March 31 st 2023	Students Of Aadharana (Non-Profit Organization) Service To The Needy And Underprivileged Was Taken To Zoo Park
2	October 12 th 2022	The Students Of M.Sc. Zoology Participated In Gyana Jyothi Outreach Programme Outreach Programme.

1. The Students Of M.Sc. Zoology Participated In Gyana Jyothi Outreach Programme Outreach Programme On 12th October 2022

Venue: Government Boys High School, Batkammakunta, Bagh Amberpet, Hyderabad.



Students and Faculty at Government Boys High School, Batkammakunta, Bagh Amberpet, Hyderabad.



Students explaining the structure of the heart



Students demonstrating Blood Grouping Test.

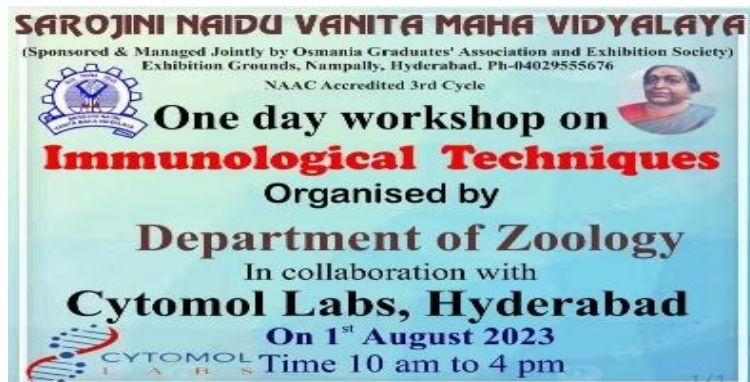
2. Students Of Aadharana (Non-Profit Organization) Service To The Needy And Underprivileged Was Taken To Zoo Park On 31 March 2023



12. THE ACTIVITIES ORGANISED BY THE DEPARTMENT

S.no	Year	Departmental activities
1	August 1 st 2023	Students Of M.Sc. Zoology Of Semester I And III Attended A Workshop On Immunological Techniques Organised By Department Of Zoology In Collaboration With Cytomol Labs, Hyderabad.
2	February 2 nd -6 th 2023	Department Of Zoology Has Conducted Two Days Workshop On “Haematological Techniques-RBC, WBC Count And Its Usage In Research”.
3	January 27 th &30 th 2023	Department Of Zoology Has Organised Two Days Workshop On “Chromatography Techniques And Application In Research”
4	January 25 th 2023	Department Of Zoology Has Organised one Day Workshop On “Application Of Thin Layer Chromatography In Research”
5	August 3 rd 2022	A Workshop On “Research Communication, Principles & Ethics” Organized By Research Committee& IQAC
6	November 29 th -3 rd December 2022	A Five Days Workshop On “Computers In Research And Data Processing” Was Organized By Department Of Zoology
7	March 15 th -16 th 2022	A two Days Workshop On “Statistical Techniques In Research Using Ms-Excel” Was Organized By Department Of Zoology
8	January 22 nd 2022	One Day Workshop On “Research Methodology” Was Organized By Department Of Zoology
9	July 21 st &22 nd 2022	A two day workshop on “Thin layered chromatography and its Industrial use in Research”
10	January 24 th 2022	One day workshop on “Biopiracy, Plagiarism and Patent”

1. A Workshop On Immunological Techniques Organised By Department Of Zoology In Collaboration With Cytomol Labs, Hyderabad On 1st August 2023



Students of M.Sc Zoology from various colleges attended the workshop

2. Department Of Zoology Has Conducted Two Days Workshop On “Haematological Techniques-RBC, WBC Count And Its Usage In Research”.



3. Department Of Zoology Has Organised one Day Workshop On “Application Of Thin Layer Chromatography In Research”



4. Department Of Zoology Has Organised Two Days Workshop On “Chromatography Techniques And Application In Research”



5. A Workshop On “Research Communication, Principles & Ethics” Organized By Research Committee & IQAC



6. A Five Days Workshop On “Computers In Research And Data Processing” Was Organized By Department Of Zoology



7. A two Days Workshop On “Statistical Techniques In Research Using Ms-Excel” Was Organized By Department Of Zoology



8. One Day Workshop On “Research Methodology” Was Organized By Department Of Zoology



9. A two day workshop on “Thin layered chromatography and its Industrial use in Research”

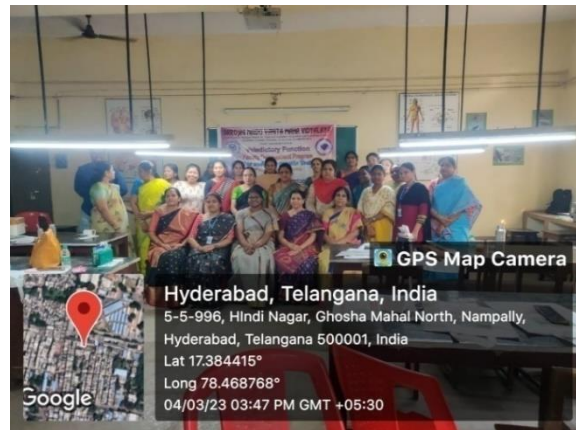


10. One day workshop on “Biopiracy, Plagiarism and Patent”



13. Faculty Development Program(FDP).

Department of Zoology organized Faculty development program in collaboration with Cytomal labs on molecular and cytogenetic techniques... From 30 January to 4th February 2023.



Faculty of different colleges participating in the Faculty Development Programme.

14.WEBINAR/SEMINAR

1. Webinar On “Stem Cells And It’s Applications”.

From this webinar students gained knowledge about stem cells.

Stem cells replace cells damaged by chemotherapy or disease or serve as a way for the donar’s immune system to fight some types of cancers and blood related diseases such as Leukemia, Lymphoma, Neuroblastome and multiple myeloma.

The image shows a promotional poster for a webinar on the left and a Zoom meeting screenshot on the right. The poster is for Sarojini Naidu Vanita Mahavidyalaya, Department of Zoology, presenting a webinar on "Stem Cells and their Applications" on 23-05-2020 from 4:00 to 5:00 PM. The resource person is Dr. B. Kiran Kumar, Scientist, CCMB. The convener is Dr. Srivani Sesham, Head, Department of Zoology, and the principal is Dr. D. Shobhana. A YouTube link is provided: <https://youtu.be/w9VrmR5kY-w>. The Zoom screenshot shows four participants: Shobhana Deshpande, Kachragi S, Dr. Kiran Kumar, and Dr. S. Srivani. The meeting title is "Stem Cells and their Applications".

This block contains two presentation slides. The first slide, titled "What are stem cells?", lists several characteristics: the body is made up of about 200 different kinds of specialised cells; stem cells are undifferentiated and can give rise to all other cells; all cells in the body come from stem cells; a stem cell is a cell that is not yet specialised; the process of specialisation is called differentiation; and once the differentiation pathway of a stem cell has been decided, it can no longer become another type of cell on its own. The second slide, titled "Induced pluripotent stem cells (iPSC)", shows a diagram of the reprogramming process. It lists key features: iPSCs can be created directly from a patient; they can be maintained indefinitely in the laboratory; they are pluripotent with similar properties to ESCs; and they can be used for disease modeling and drug screening. The diagram shows a patient's cells being treated with transcription factors (Oct4, Sox2, Klf4, c-Myc) to become iPSCs, which are then differentiated into various cell types like skin, blood, and neurons.

This block contains two presentation slides about Limbal Stem Cell Deficiency (LSCD). The "Introduction" slide shows images of a normal eye and an eye with LSCD, illustrating the damage to the limbus. It distinguishes between Partial LSCD and Total LSCD. The "Background information" slide describes a case of a 9-year-old boy with Alkali Burn Total LSCD in his right eye. After limbal stem cell transplantation (SLET), he achieved 20/30 vision at 2 years post-operation.

15.SEMINAR

GENETICS NEW CHALLENGES-

Virtual National seminar on 20-7-2021 and 21-07-2021.



SAROJINI NAIDU VANITA MAHA VIDYALAYA
(Promoted and managed jointly by Osmia Graduates' Association and Exhibition Society) Exhibition Grounds, Hyderabad. For their welfare.

TWO DAY VIRTUAL NATIONAL SEMINAR ON GENETICS-NEW CHALLENGES 20TH & 21ST JULY, 2021

ORGANIZED BY
DEPARTMENT OF ZOOLOGY
In association with IQAC
IN COMMEMORATION OF GREGOR JOHANN MENDEL'S 199TH BIRTH ANNIVERSARY

About the College

Sarojini Naidu Vanita Maha Vidyalaya (promoted and managed jointly by Osmia Graduates' Association and Exhibition Society) is a premier educational institution in the state of Telangana. It was established in 1957 and affiliated to Osmia University in 1962. It is one of the largest Women's colleges in Telangana named after Great freedom Sarojini Naidu and its foundation stone laid by a stalwart freedom fighter Khan Abdul Ghaffar Khan. The institution offers courses at Intermediate, Under Graduation and Post-Graduation levels, in faculties of Arts, Science, Commerce and Management. It works for the holistic development of 3500 girl students.

About the Department

The Department of Zoology was started in the year 1957 for the Pre-University Course. Undergraduate Courses in the discipline of science were introduced in the year 1962. Post Graduate course in Zoology was introduced in 1991-92 in view to the demanding requirements of higher education for women. Department of Zoology has an excellent academic record with our students achieving gold medals at university level. To keep abreast with the latest development in science and technology, the department has conducted national and international seminars and conferences. The department has well equipped labs and a well-maintained museum with its rich and varied collection of specimens. Department has well qualified faculty who are ever updating their knowledge to cater to the needs of the students.

About the Theme

The main motto behind the conduct of this seminar is to keep ourselves abreast with the latest updates in the field of Genetics.

Genetics is a science which studies the mechanisms and biological laws that provide stability of the features during generations, ensuring heredity on one hand and the variations of inherited characteristics on the other hand.

The Science of Genetics originated in 1900 with the rediscovery of a scientific article originally published in 1866 by an Augustinian monk named Gregor Mendel who is now well known as Father of Genetics.

Gregor Johann Mendel was born on 20th July 1822. He was a Meteorologist, Mathematician, Biologist. Mendel's Pea plant experiments between 1856-1863 established rules of heredity now called as Mendelian inheritance, long before the discovery of DNA and Genes. The application of Genetics to medical care, including research on the causes and inheritance of Genetic disorders and their diagnosis and management is a breakthrough in human life. The challenge will be to keep reinventing ourselves and incorporating new knowledge and skills as we go towards a complete understanding of Genetics.

STAY HOME
STAY SAFE

20th July, 2021 - Day 1
Inaugural session – 10:00 to 11:30

Welcome Address by Principal
 Dr. B. Mohithama
 Sarojini Naidu Vanita Maha Vidyalaya

Address by Chief Guest
 Dr. Padma Devi Karapuram
 Retired Professor,
 Dept. of Zoology, Osmania University

Key note address
 Dr. Radhika Sarwanthy
 Senior Professor,
 Dept. of Bio-Medical Sciences,
 School of Bio Sciences & Tech,
 VIT, Vellore, Tamil Nadu, India

Session 2 : 11:45-12:45PM

"Therapy Resistance in Cervical Cancer: A necessary and far reaching approach" by:
 Prof. Anuja Mukherjee
 Senior Scientific Officer,
 Dept. of Environmental Carcinogenesis & Toxicology,
 Chhatrapati National Cancer Institute, Kolkata, India.

Session 3 : 1:00-2:00PM

"Evolutionary-Mendelianism systems for a BEP/BE-E as genome" by:
 Prof. Anuja Mukherjee
 Associate Professor,
 Dept. of Biotechnology,
 Anna University, Chennai, India.

21st July, 2021 - Day 2
Session 1: 10:00-11:00 am

"Evolutionary-Mendelianism systems for a BEP/BE-E as genome" by:
 Prof. Anuja Mukherjee
 Associate Professor,
 Dept. of Biotechnology,
 Anna University, Chennai, India.

Session 2 : 11:30-12:30

"Evolutionary-Mendelianism systems for a BEP/BE-E as genome" by:
 Prof. Anuja Mukherjee
 Associate Professor,
 Dept. of Biotechnology,
 Anna University, Chennai, India.

Session 3: 12:45- 1:45 PM

"Genetics in Medicine -An Overview" by:
 Dr. A. Vankaradwar
 Director IET, Institute of Genetics and Hospital for Genetic Diagnosis,
 Osmania University, Hyderabad,
 Telangana, India.

Session 4: 2:00 – 2:30 PM
Valedictory

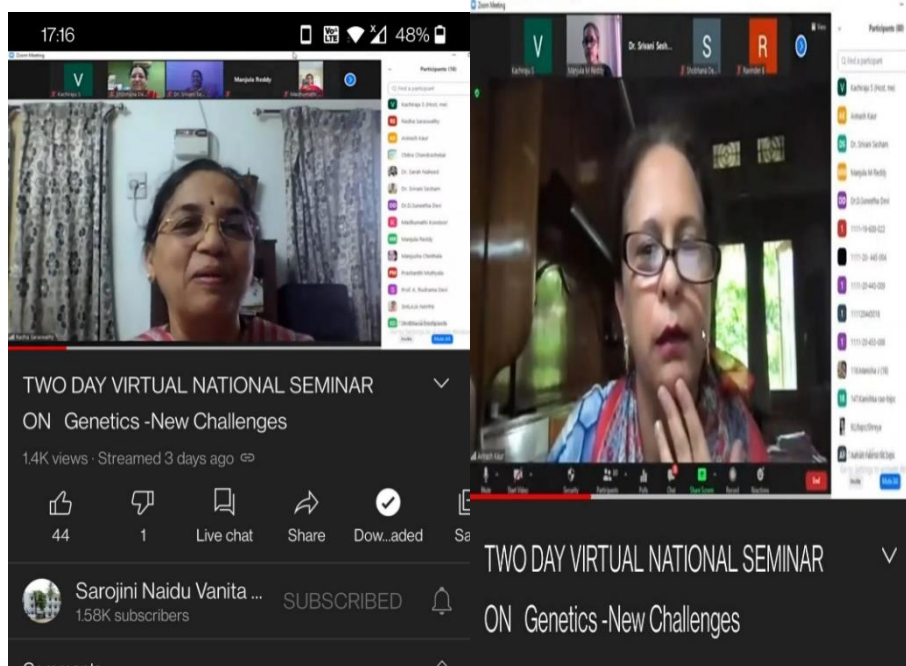
Organizing Committee

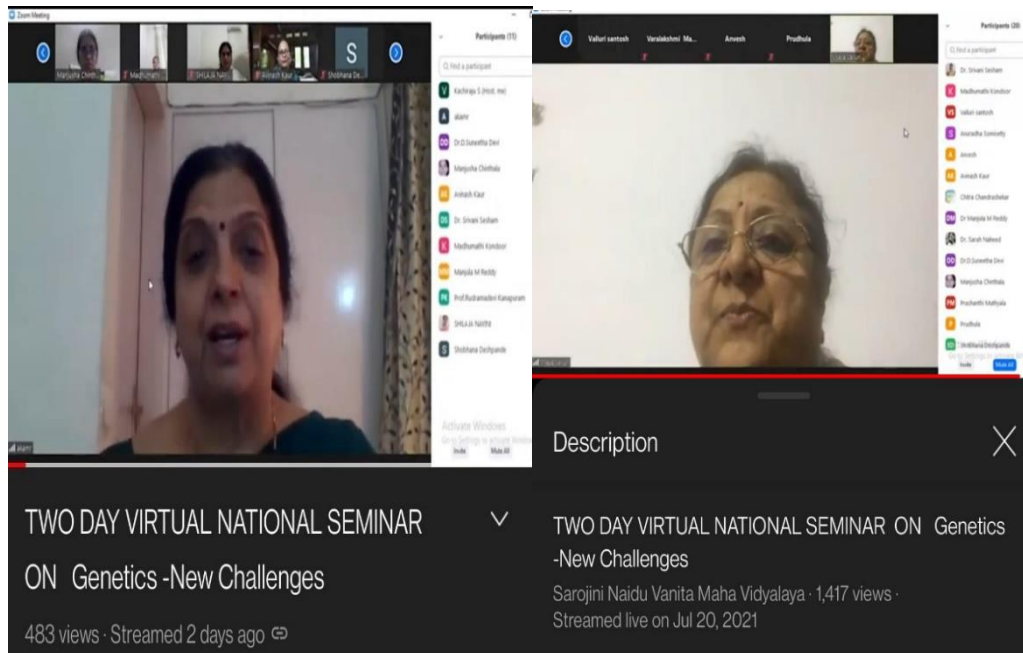
Dr. Manjula M. Reddy
 Dr. C. Manjusha
 Dr. D. Sunetha Devi
 Mrs. N. Shilaja Yougender
 Mrs. K. Madhumathi
 Mrs. M. Prashanthi

CONVENOR
 Dr. S. Srivani
 Head, Dept. of Zoology
 Ph:9885668195

Registration Details

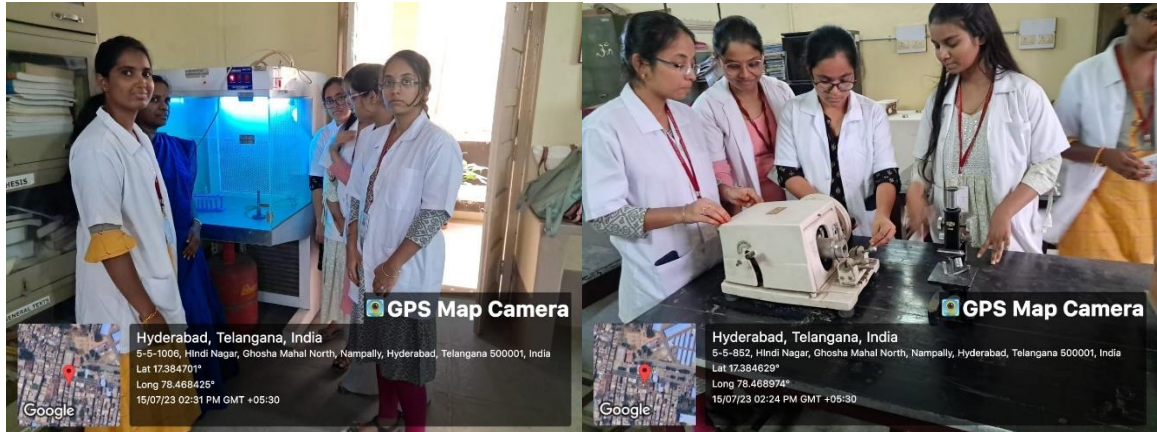
Please click on the link to register:
[HTTPS://FORMS.GLE/3iNqRQ8YLcRRyVv7](https://forms.gle/3iNqRQ8YLcRRyVv7)
No Registration fees
E-Certificate will be provided





Genetics research studies, how individual genes or groups of genes are Involved in health and diseases. Understanding genetic factors and genetic disorders is important in learning more about promoting health and preventing disease.

16. RESEARCH AND INNOVATION



M.Sc Zoology Students Performing Research projects in the Zoology Laboratory and Research Laboratory using Laminar Flow, Microtome.



M.Sc Zoology Students in Seri Culture Laboratory for research projects



M.Sc Zoology Students working for Research Projects

17. PAPER PUBLICATIONS

Name Of The Faculty	Title	Year	ISSN
Dr. Manjula M Reddy	A Study On The Effect Of Azithromycin On Gut Bacteria- <i>Lactobacillus</i> . (International Journal of Novel Research and Development)	2023	2456-4184
MS. V Usha Madhuri	A Study On The Effect Of Azithromycin On Gut Bacteria- <i>Lactobacillus</i> . (International Journal of Novel Research and Development)	2023	2456-4184
Dr. C Manjusha (Co-author)	1. A Green Approach to Produce Colored Cocoons. (International Journal For Multidisciplinary Research)	2023	2582-2160
	2. To Study The Effect Of Cadmium Chloride On The Level Of Oxidative Stress Markers In <i>Channa Punctatus</i> (International Journal of Fisheries and Aquatic Research)	2023	2456-7248
	3. Comparative Study Of Three Heavy Metals In The Muscle Of Three Edible Fishes. (International Journal of Applied Science and Engineering)	2022	2321-9653
	4. Prevalence Of Pollen Allergy In Rural Telangana (Bhongir) And The Need For Continuous Monitoring Of Allergens - A Pilot Study (International Journal of Applied Science and Engineering)	2021	2321-9653

<p>Dr. D Suneetha Devi</p>	<p>1. Analysis of Potential Antimicrobial Activity of <i>Vinca Rosea</i> and Assessing Its Role as an Alternative Against Emerging Antibiotic Resistant Microorganisms.</p> <p>(Indo American Journal Of Pharmaceutical Sciences)</p> <p>2. In vivo protective role of <i>Amaranthus viridis</i> extract and direct folate treatment on the sperms of Swiss albino mice.</p> <p>(Annals of Clinical and Experimental Metabolism)</p>	<p>2021</p> <p>2018</p>	<p>2349-7750</p> <p>2572-2492</p>
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18.BEST PRACTICES

1.VERMICOMPOST PIT MAINTAINED BY DEPARTMENT OF ZOOLOGY

Vermicomposting is a natural process whereby earth worm converts waste material with rigid structures into compost.

Vermicompost contains water soluble nutrients and is an excellent, nutrient –rich organic fertilizer and soil conditioner.

It is used in gardening and sustainable, organic farming.

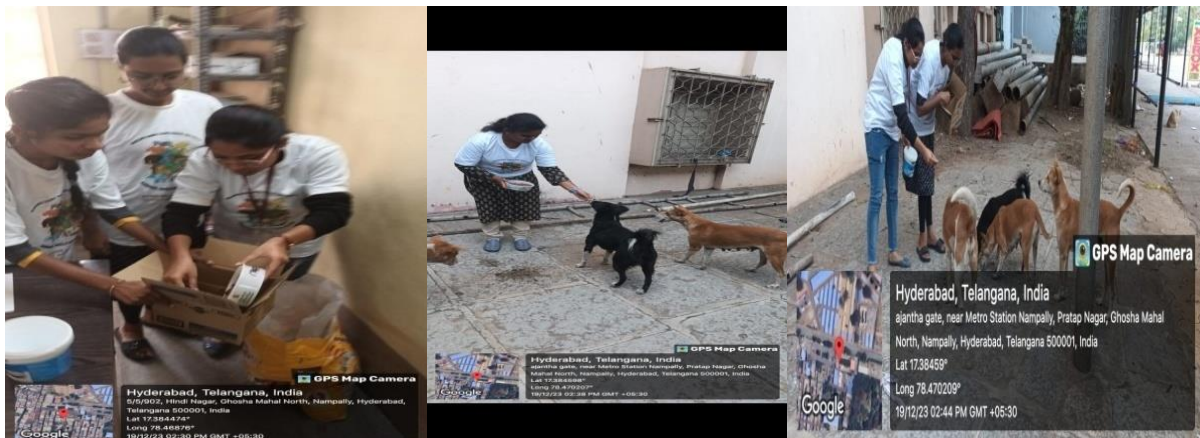
We use dry waste for Composting (Dry cow dung, Hay and dry leaves) The compost is used for manuring the plants in the college garden.

Students are trained in preparing the organic compost which can be done at their homes too by utilizing the dry and wet waste (kitchen waste)



Vermicompost pit

1. Animal welfare Club



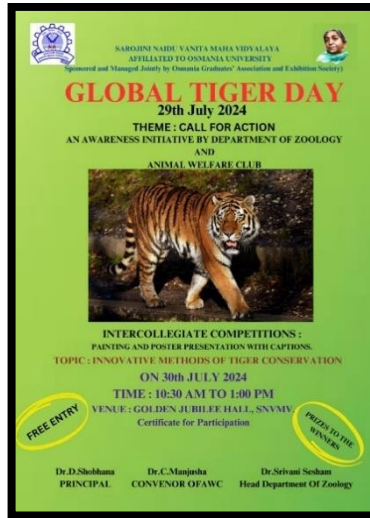
Daily Activity of Students Feeding the Dogs.

2. Conducting Awareness Programmes on snakes.

- i. To educate the students about myths and facts and to enable the students to understand the difference between poisonous and non-poisonous snakes.
- ii. Precautions to be taken and first aid for the snake bite.



3.GLOBAL TIGER DAY – 30th JULY 2024



SAMPLE COPY OF CERTIFICATE

19. FUTURE PLANS

- Collaboration with industry experts for guest lecturers, workshops, and internship opportunities to bridge the gap between academia and industry.
- Encouragement of interdisciplinary research projects in collaboration with other departments or institutions.
- Obtaining resources and laboratory equipment to support advanced research initiatives.
- Encouragement of participation in national and international competitions and conferences to stimulate creative thinking and problem-solving skills.
- Organization of outreach programs aimed at creating awareness about wildlife conservation, biodiversity, and environmental sustainability.
- Enhance the department's reputation and visibility through increased publication in high-impact journals and participation in prestigious conferences.
- Establishment of mentorship programs to support the career growth and development of junior faculty and graduate students.
- Implementation of faculty development programs to enhance teaching methodologies, research skills and grant writing abilities.