

- e. **National Solidarity Award 1998** on the Birthday Rajiv Gandhi received citation for rendering best services in education department.
- f. **State Best Teacher Award, 2007.** Awarded by Munnurukapu Mahasabha on 21 Dec. Received citation and Medal from the committee.

8. Details of Contribution in the Subjects / Faculty

- a. **Design of Curriculum**
 - i. **Theory** Modified the B.Sc. Syllabus as per the CBCS pattern in B.Sc, Zoology
 - ii. **Practical** Modified the B.Sc. Syllabus as per the CBCS pattern in B.Sc., Zoology

Ability enhancement course: Applied Entomology & Sericulture

Generic Course: Science & Technology

Skill Course: Vermiculture & Apiculture

b. Teaching Methods

i. Direct / offline: 208, Study Center, DRBRAOU Campus
B.Sc. Zoology & M.Sc., Zoology

ii. Online: B.Sc. & M.Sc.

iii. Audio lessons: Both B.Sc. & M.Sc.

iv. Video lessons: B.Sc. & M.Sc.

c. Preparation of Course Material / Lab Manuals (please enclose the list)

i. Course Writing

Theory			
S. No.	Programme	Title of the Course	Title of the unit(s)
1.	B.Sc., Zoology EM and TM	3 rd year Sericulture –Paper IVB	Unit-9. Bombyx mori classification- life history, morphology. Unit-10. Digestive, Circulation, Respiratory, Excretory systems, Silkworm Nutrition. Unit-11. Silk gland Unit-12. Reproduction and Development Unit-13. Silkworm Pests and Diseases Unit-14. Grainage, Seed Production Unit-15. Requiring requirements, Unit-16. Silkworm rearing Unit-17. Moulting – growth

			Unit-18. Cocoon production
2.	B.Sc., Zoology EM and TM	Semester-III Core Theory- Ecology, Zoogeography and Developmental Biology	Unit-1. Ecosystem structure and functions, Types of Ecosystems-Aquatic and Terrestrial Unit-2. Biogeochemical cycles–Nitrogen, Carbon, Phosphorus and Water Unit-3. Energy Flow in Ecosystem, Tropic levels, Food chains, Food web and Ecological pyramids. Unit-4. Animal Associations – Mutualism, Commensalism, Parasitism, Competition, Predation. Community, Structure and dynamics and Ecological Succession. Unit-5. Ecological Adaptations. Unit-6. Wildlife conservation-National parks And Sanctuaries of India, Endangered species. Biodiversity and hotspots of Biodiversity in India.
3.	B.Sc., Zoology EM and TM	Semester-IV Core Theory- Cell biology, Molecular Biology, Genetics and Evolution Developmental Biology	Unit-1. Introduction to Cell Biology and Ultra Structure of Animal Cell, Structure and Functions of Cell Organelles-Plasma Membrane, Endoplasmic Reticulum, Golgi Complex and Lysosomes. Unit-2. Structure and Functions of Cell Organelles-Mitochondria, Centrioles and Ribosomes, Nucleus and Chromosomes Unit-3. Cell Division, Gametogenesis and Parthenogenesis.
4.	B.Sc., Zoology EM and TM	Semester-IV Theory- Apiculture –SEEC-1	Unit-1. Bee species and Distribution Unit-2. Life history and Hive
5.	B.Sc., Zoology EM and TM	Semester-IV Theory- Vermiculture-SEEC-2	Unit-1. Selection of Site and Earthworms Unit-2. Composting Systems and Techniques
6.	B.Sc., Zoology EM and TM	Semester-V Core Theory- Physiology and Biochemistry	Unit-1. Digestion: Extra and Intracellular, Digestion of Carbohydrates, Proteins, lipids and Cellulose, Absorption and Assimilation. Role of Gastrointestinal hormones in digestion. Unit-2. Respiration: Respiratory Mechanisms, Respiratory Pigments, Transport of oxygen, Oxygen dissociation curve, Bohr's effect, Transport of CO ₂ ,

			Chloride shift, Regulation of respiration Unit-3. Circulation: Open and Closed, Single and double circulation, Types of hearts, Structure of Mammalian heart, Functioning, Regulation of heart rate, Blood clotting. Unit-4. Excretion: Classification of Animals, Structure and function of Nephron Urine formation, Counter current mechanism.
7.	B.Sc., Zoology EM and TM	Semester-V Theory- Aquaculture–DSE-A	Unit-1. Biology of Fishes Unit-2. Edible Aquatic Forms Unit-3. Life History of Cultivated fish and prawns Unit-4. Migration of Fishes
8.	B.Sc., Zoology EM and TM	Semester-V Theory- Sericulture - DSE-B	Unit-1. History of Sericulture Unit-2. Types of Silkworms Unit-3. Taxonomy of Mulberry Unit-4. Propagation of Mulberry
9.	B.Sc., Zoology EM and TM	Semester-VI Core Theory- Immunology and Animal Biotechnology	Unit-1. Basic Concepts of Immune System Unit-2. Antigens Unit-3. Antibodies Unit-4. Functioning of Immune System
10.	B.Sc., Zoology EM and TM	Semester-VI Theory- Fish Genetics and Seed Technology - DSE-C	Unit-1. Chromosomes in Fishes Unit-2. Inheritance of Qualitative Morphological Traits in Fish Unit-3. Inheritance of Quantitative Traits in Fish Unit-4. Chromosome Manipulation
11.	B.Sc., Zoology EM and TM	Semester-VI Theory- Silkworm Breeding and Grainage - DSE-D	Unit-1. Introduction to Silkworm Breeding Unit-2. Selection Methods Unit-3. Heterosis and Hybrid Vigour Unit-4. Parental Races

Practical – Lab Manual and Record

S. No.	Programme	Title of the Course	Title of the unit(s)
1.	B.Sc., Zoology EM and TM	3 rd year Lab manual and Record- Sericulture –Paper IVB	Unit-6. Grainage and Seed Cocoons Unit-7. Grainage Activities Unit-8. Identification of Diseased worms and pests Unit-9. Model rearing House and Equipment and Disinfection

			Unit-10. Rearing Unit-11. Mounting and Cocoon Harvesting Unit-12. Cocoon Testing
2.	B.Sc., Zoology EM and TM	Semester II Lab Manual and Record- Animal Diversity-Vertebrates	Unit-1. Chordata, Protochordata, Cyclostomata Unit-2. Pisces Unit-3. Amphibia and Reptilia Unit-4. Aves and Mammals
3.	B.Sc., Zoology EM and TM	Semester III Lab Manual and Record- Ecology, Zoogeography and Developmental Biology p	Unit-1. Determination pH of Soil and Water Unit-2. Estimation of Salinity (Chlorides) of water Unit-3. Estimation of (a) Carbonates and (b) Bicarbonates Unit-4. Estimation of dissolved oxygen of pond water, sewage Water and effluents
4.	B.Sc., Zoology EM and TM	Semester IV Lab Manual and Record- Cell biology, Molecular Biology, Genetics and Evolution Developmental Biology	Unit-2. Preparation and Identification of different stages of Meiosis in Grasshopper testes Unit-3. Identification and study of Cell Division Slides Unit-4. Problems on Genetics- Mendalian inheritance, Linkage and Crossing over, Sex linked inheritance.
5.	B.Sc., Zoology EM and TM	Semester V Lab Manual and Record- Physiology and Biochemistry	Unit-1. Qualitative tests for Identification of Carbohydrates, Proteins, Lipids Unit-2. Qualitative tests for Identification of Minerals and Enzyme Activity Unit-3. Qualitative tests for Identification of Nitrogenous excretory products
6.	B.Sc., Zoology EM and TM	Semester V Lab Manual and Record- Aquaculture – DSE-A	Unit-1. Morphometric and Meristic Studies Unit-2. Identification of Edible Aquatic Forms Unit-3. Dissection of Carp Reproductive system
7.	B.Sc., Zoology	Semester V Lab Manual and Record-	Unit-1. Preparation of land, Vegetative propagation, Planting systems

	EM and TM	Sericulture - DSE-B	and Pruning Unit-2. Farm Maintenance Unit-3. Identification of different silkworm life stages
8.	B.Sc., Zoology EM and TM	Semester VI Lab Manual and Record- Immunology and Animal Biotechnology	Unit-1. Identification of Blood groups Unit-2. Histological study of Spleen, Thymus and Lymph nodes Unit-3. Enumeration of RBC & WBC and WBC Differential count from the given Blood Sample
9.	B.Sc., Zoology EM and TM	Semester VI Lab Manual and Record- Fish Genetics and Seed Technology - DSE-C	Unit-1. Karyomorphology of some fishes Unit-2. Inheritance of Qualitative Morphological Traits in Fish Unit-3. Chromosome Manipulation
10.	B.Sc., Zoology EM and TM	Semester VI Lab Manual and Record- Silkworm Breeding and Grainage - DSE-D	Unit-1. Identification of Parental Races Unit-2. Pupal test for Seed Cocoon Selection Unit-3. Processing of Cocoons

ii. Course Editing-Theory

S. No.	Programme	Title of the Course
1.	B.Sc., Zoology EM and TM	Semeter-III Core Theory - Ecology, Zoogeography and Developmental Biology
2.	B.Sc., Zoology EM and TM	Semeter-IV Core Theory - Cell biology, Molecular Biology, Genetics and Evolution, Developmental Biology
3.	B.Sc., Zoology EM and TM	Semeter-IV Theory - Apiculture – SEEC-1
4.	B.Sc., Zoology EM and TM	Semeter-IV Theory - Vermiculture- SEC-2
5.	B.Sc., Zoology EM and TM	Semeter-V Core Theory - Physiology and Biochemistry
6.	B.Sc., Zoology EM and TM	Semeter-V Theory - Aquaculture – DSE-A

7.	B.Sc., Zoology EM and TM	Semeter-V Theory - Sericulture - DSE-B
8.	B.Sc., Zoology EM and TM	Semeter-VI Core Theory - Immunology and Animal Biotechnology
9.	B.Sc., Zoology EM and TM	Semeter-VI Theory - Fish Genetics and Seed Technology - DSE-C
10.	B.Sc., Zoology EM and TM	Semeter-VI Theory - Silkworm Breeding and Grainage - DSE-D

Course Editing-Lab manual and Record

S. No.	Programme	Title of the Course
1.	B.Sc., Zoology EM and TM	Semester-III Lab manual and Record – Ecology, Zoogeography and Developmental Biology
2.	B.Sc., Zoology EM and TM	Semester-IV Lab manual and Record Cell biology, Molecular Biology, Genetics and Evolution
3.	B.Sc., Zoology EM and TM	Semester-V Lab manual and Record Physiology and Biochemistry
4.	B.Sc., Zoology EM and TM	Semester-V Lab manual and Record Aquaculture – DSE-A
5.	B.Sc., Zoology EM and TM	Semester-V Lab manual and Record Sericulture - DSE-B
6.	B.Sc., Zoology EM and TM	Semester-VI Lab manual and Record Immunology and Animal Biotechnology
7.	B.Sc., Zoology EM and TM	Semester-VI Lab manual and Record Fish Genetics and Seed Technology - DSE-C
8.	B.Sc., Zoology EM and TM	Semester-VI Lab manual and Record Silkworm Breeding and Grainage - DSE-D

i. Course Co-Ordination

S. No.	Programme	Title of the Course
1.	B.Sc., Zoology Theory	1. Animal Diversity-Vertebrates
		2. Ecology, Zoogeography and Developmental Biology
		3. Cell biology, Molecular Biology, Genetics and Evolution
		4. Apiculture
		5. Vermiculture
		6. Physiology and Biochemistry
		7. Principles of Aquaculture
		8. Sericulture
		9. Immunology and Animal Biotechnology
		10. Fish Genetics and Seed Technology
		11. Silkworm Breeding and Grainage

S. No.	Programme	Title of the Course
1	B.Sc., Zoology Lab Manual	1. Animal Diversity-Vertebrates
		2. Ecology, Zoogeography and Developmental Biology
		3. Cell biology, Molecular Biology, Genetics and Evolution
		4. Apiculture
		5. Vermiculture
		6. Physiology and Biochemistry
		7. Principles of Aquaculture
		8. Sericulture
		9. Immunology and Animal Biotechnology
		10. Fish Genetics and Seed Technology
		11. Silkworm Breeding and Grainage

d. e-Content Lessons/ Courses / Editing

S. No.	Programme	Title of the Lessons / Course / Editing	E-Content Source
1.	B.Sc., Zoology EM and TM	Semester-III Theory- Ecology, Zoogeography and Developmental Biology	
2.		Semester-IV Theory- Cell biology, Molecular Biology, Genetics and Evolution	
3.		Semester-IV Theory- Apiculture –SEEC-1	

4.		Semester-IV Theory- Vermiculture-SEEC-2	
5.		Semester-V Theory- Physiology and Biochemistry	
6.		Semester-V Theory- Principles of Aquaculture–DSE-A	
7.		Semester-V Theory- Sericulture - DSE-B	
8.		Semester-VI Theory- Immunology and Animal Biotechnology	
9.		Semester-VI Theory- Fish Genetics and Seed Technology - DSE-C	
10.		Semester-VI Theory- Silkworm Breeding and Grainage - DSE-D	

e. Radio/ Video/ Teleconferencing/ Web Conferencing/ Webinar (please enclose the list)NIL.....

S. No.	Programme	Course No. & Title	Title of the Lesson	Mode of the Lesson

12. Teaching .

a. Counselling / Teaching (Details may be enclosed)

S.No.	Programme	Theory			Practical			
		Course No.	Course Title	No. of Hours	Course No.	Course Title	No. of Hours per Batch	No. of Batches
1.	B.Sc., Zoology				Sem-I	Animal Diversity- Invertebrates	24	1
2.					Sem-II	Animal Diversity- Vertebrates	24	1
3.					Sem-III	Ecology, Zoogeography and Developmental	24	1

						Biology		
4.					Sem-IV	Cell biology, Molecular Biology, Genetics and Evolution	24	1
5.					Sem-V	Physiology and Biochemistry	24	1
6.					Sem-V	Principles of Aquaculture	24	1
7.					Sem-V	Sericulture	24	1
8.					Sem-VI	Immunology and Animal Biotechnology	24	1
					Sem-VI	Fish Genetics and Seed Tech.	24	1
					Sem-VI	Silkworm Breeding and Grainage	24	1

Total Number of Hours Theory Counseling

i. Direct / offline ___ *nil* _____

ii. Online _____ *nil* _____

iii. Audio lessons ___ *nil* _____

iv. Video lessons ___ *nil* _____

Total number of Hours Practicals Counselling

i. Direct / offline ___ *24* _____

ii. Online _____ *nil* _____

iii. Audio lessons ___ *nil* _____

iv. Video lessons ___ *5* _____

13. Course wise Teaching Plan to Counsellors to be implemented at all Study Centers in stipulated No. of Hours (Course wise details may be enclosed)NIL.....

S.No.	Programme	Course Number & Title	No of Hours per Block	Remarks
		-NIL-	Block-1 : Block-2 : Block-3 :	

14. Summer / Winter Schools Conducted (Details may be enclosed)NIL.....

S.No	Course Number & Title	No. of unit(s)	No. of. Hours
	-NIL-		

15. Details of Participation in the following

a. University examination evaluation

- i. UG B.Sc., Zoology (all papers)
- ii. PG M.Sc., Zoology (all papers)
- iii. M.Phil & Ph.D _____
- iv. Diploma /PG Diploma - Nil
- v. Certificate Courses - CPFN (all papers)

b. Paper Setting

- i. UG B.Sc., Zoology (all papers)
- ii. PG M.Sc., Zoology (all papers)
- iii. M.Phil & Ph.D _____
- iv. Diploma /PG Diploma - Nil
- v. Certificate Courses - (all papers)

c. Preparation & Evaluation of Assignments

- i. PG: M.Sc., Zoology

d. Examinations Conducted - UG-Zoology I, II, III year old practical exams

UG-Zoology CBCS- all semester practical exams

PG Zoology I & II year practical exams

e. Evaluation of Thesis / Dissertations _____.....NIL.....

(Enclose the list of evaluated Thesis / Dissertation titles)

16. Research Projects

i) Completed

S. No.	Title of the Project	Funding Agency (UGC/DEC/CS IR/DST etc)	Amount Sanctioned	Year (From-To)
1.	Suppliment of Dietary Aminoacids through food - Study its Effects on Silk production in <i>Phylosamia ricini</i> , B	UGC-SERO, Hyderabad	Rs. 1,25,000/-	2009-2011

ii) On-goingNIL.....

S. No.	Title of the Project	Funding Agency (UGC/DEC/CSIR/DST etc)	Amount Sanctioned	Date of Commencement	Expected date of Submission

17. *Number of Ph.D. Candidates AwardedNIL.....

18. *Number of Ph.D. Candidates Currently Working.....NIL.....

19. *Number of M.Phil. Candidates AwardedNIL.....

20. *Number of M.Phil. Candidates Currently WorkingNIL.....

(*please enclose the list of candidate names, registered year and title of work)

21. Research fellowship

S.No.	No. of Research Scholar	Funding Body
	NIL	NIL

22. Publications

i) Books (please enclose the list)

S.No.	Author/ Editor	Title	Publisher with ISBN	Year of Publication	Page No
1.	Author	Tasar Culture (English Medium)	Kakatiya University and Central Silk Board, Warangal,	1992	118-121
2.	Author	Silkworm Rearing (English Medium)	Board of Intermediate Edn., Govt. of AP, Hyderabad.	1993	119-185
3.	Author	B.Sc., Zoology Iyr. Common core (Telugu Medium)	Telugu Akademy, Govt. of AP, Hyderabad.	1995	279-380
4.	Author	Sericulture (TM) Iyr. Intermediate Sericulture Vocational	Telugu Akademy, Govt. of AP, Hyderabad.	1996	1-178

		Course			
5.	Author	Sericulture (T M) IYr. Intermediate Sericulture Vocational Course	Telugu Akademy, Govt. of AP, Hyderabad.	1996	1-180
6.	Author	Silkworm Diseases, Pests & Silk Reeling (EM) Iyr. Intermediate Sericulture Vocational Course	Board of Intermediate Edn., Govt. of AP, Hyderabad.	1996	15-76
7.	Author	B.Sc., Sericulture (Telugu Medium), IIIyr. Elective paper IV	Telugu Akademy, Govt. of AP, Hyderabad,	2001	1-165
8.	Author	Mulberry Agronomy (EM) Iyr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2001	1-64
9.	Author	Mulberry Cultivation (EM) Iyr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2001	1-71
10.	Author	Farm Maintenance and Mulberry Pathology (EM) Iyr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2001	1-53
11.	Author	Silkworm Morphology and Seed Technology (EM) Iyr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2001	1-72
12.	Author	Non Mulberry Silkworms & Mulberry	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2003	1-70

		Rearing Requirements (EM) IYr. Inter Vocational			
13.	Author	Silkworm Rearing Technology (EM) IYr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2003	1-83
14.	Author	Silkworm Pathology and Cocoon Marketing (EM) IYr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2003	1-72
15.	Author	Post Cocoon Technology (EM) IYr. Inter Vocational	SIVE, BIE, Telugu Akademy, Govt. of AP., Hyderabad.	2003	1-69
16.	Author	Mulberry Cultivation (EM), IYr. Inter Vocational	ERTW, BIE, Telugu Akademy, Hyderabad.	2006	1-78
17.	Editor	Mulberry Farm Maintenance (EM), IYr. Inter Vocational	ERTW, BIE, Telugu Akademy, Hyderabad.	2006	1-74
18.	Editor	Silkworm Morphology and Seed Technology (EM), IYr. Inter Vocational	ERTW, BIE, Telugu Akademy, Hyderabad.	2006	1-68
19.	Editor	B.Sc., ZOOLOGY VISUAL PRACTICAL MANUAL ,TM & EM	Self publication, Warangal	2006	1-210
20.	Editor	ZOOLOGY VISUAL PRACTICAL MANUAL,	Self publication, Warangal	2006	1-55

		Intermediate, TM & EM			
21.	Editor	Non Mulberry Silkworms & Mulberry Rearing Requirements (EM), Inter Vocational Second year	ERTW, BIE, Telugu Akademy, Hyderabad,	2007	24-86
22.	Editor	Silkworm Rearing Technology (EM), Inter Vocational Second year	ERTW, BIE, Telugu Akademy, Hyderabad,	2007	45-90
23.	Editor	Reeling Technology (EM), Inter Vocational Second year	ERTW, BIE, Telugu Akademy, Hyderabad,	2007	1-75
24.	Author	B.Sc., Zoology Iyr, Biology of Invertebrates and Cell Biology English Medium	Telugu Akademy, Hyderabad.	2009	189-310
25.	Author	B.Sc., Zoology Iyr, Biology of Invertebrates and Cell Biology Telugu Medium	Telugu Akademy, Hyderabad.	2009	215-361
26.	Editor	Proceedings of National Seminar on Recent Trends in Tropical Diseases of Man,	NG College, Nalgonda.	2012	1-205
27.	Author	Zoology Iyr for Intermediate, TM	Telugu Akademy, TS, Hyderabad. 978-81-8180-171-7	2012	29-62, 95-128
28.	Author	Zoology Iyr	Telugu Akademy, TS, Hyderabad.	2013	77-132

		for Intermediate, TM	978-81-8180-190-3		
29.	Author	B.Sc., Zoology I Semester- Animal diversity Invertebrates paper –I, TM	Telugu Akademy, TS, Hyderabad, ISBN-978-81-8180-347-9.	2017	277-446
30.	Author	B.Sc., Zoology I Semester- Animal diversity Invertebrates paper –I, EM	Telugu Akademy, TS, Hyderabad, ISBN-978-81-8180-363-4.	2017	231-384
31.	Author	B.Sc., Zoology III Semester - Animal diversity Chordates and Developmental Biology, paper– III, English Medium	Telugu Akademy, TS, Hyderabad, ISBN-978-81-8180-415-0	2017	185-346
32.	Author	B.Sc., Zoology III Semester - Animal diversity Vertebrates and Developmental Biology, paper– III, TM	Telugu Akademy, TS, Hyderabad, ISBN-978-81-8180-518-8.	2018	209-386
33.	Author	B.Sc., Zoology II Semester- Ecology, Zoogeography and Animal behaviour, paper –II, TM	Telugu Akademy, TS, Hyderabad, ISBN-978-81-8180-550-8.	2018	401-524
34.	Author	B.Sc., Zoology V Semester - paper – VI Applied Zoology, EM	Telugu Akademy, TS, Hyderabad ISBN 978-81-8180-665-9.	2020	108-312
35.	Author & Editor	B.Sc., Zoology V Semester - paper –VI	Telugu Akademy, TS, Hyderabad ISBN 978-81-8180-666-6	2020	184-392

		Sericulture, EM			
36.	Author	B.Sc., Zoology II Semester - paper –III, Animal Diversity- Vertebrates, EM	Telugu Akademy, TS,Hyderabad ISBN 978-81-8180-698-7	2020	180-355
37.	Author	B.Sc., Zoology I Semester - Animal diversity Invertebrates, paper–I, EM	Telugu Akademy, TS,Hyderabad, ISBN 978-8180-703-8.	2021	190-368
38.	Author	B.Sc., Zoology I Semester - Animal diversity Invertebrates, paper–I, TM	Telugu Akademy, TS,Hyderabad, ISBN-978-8180-723-6.	2021	195-380
39.	Author	B.Sc., Zoology II Semester - Animal diversity Vertebrates, paper –III, EM	Telugu Akademy, TS,Hyderabad, ISBN ISBN-978-8180-703-9.	2021	165-340
40.	Author	B.Sc., Zoology II Semester - Animal diversity Chordates, paper –III, TM	Telugu Akademy, Hyderabad, ISBN-978-8180-732-8	2021	175-370
41.	Author & Editor	B.Sc., Zoology III Semester - Sericulture, Skill course, EM	Telugu Akademy, TS,Hyderabad, ISBN-978-81-8180-746-5.	2021	1-264
42.	Author & Editor	B.Sc., Zoology IV Semester - Apiculture, Skill course, EM	Telugu Akademy, TS,Hyderabad, ISBN-978-81-8180-747-2.	2021	1-110
43.	Author	Biophysics of Insect Flight	Springer series in Biophysics ISSN 0932-2353	2021	1-16, 41- 76,

			ISSN 1868-2561 (electronic) ISBN-978-981-16-5183-0 ISBN-978-981-16-5184-7 (eBook)		133-142, 197-202
44.	Author	B.Sc., Zoology, IV Semester - paper –VI Physiology & Biochemistry, T M	Telugu Akademy, TS,Hyderabad.	In press	
45.	Editor for Biology	General Studies for competitive exams	Telugu Akademy, TS,Hyderabad.	In press	
46.	Editor for Biology	General Studies for SI competitive exam	Telugu Akademy, TS,Hyderabad.	In press	

ii) Articles / Papers Published in Books (please enclose the list)

S.No	Title of Article/ Paper	Title of the Book	Editors Name	Publisher with ISBN/ISSN	Year of Publication	Page No
1.	Concepts of mutation, symbiosis, parasitism; Muscle contraction; Earthworm circulation; Transport of respiratory gases,	Teachers' Reader Zoology	P.Gopalakrishna Reddy, RP Surender Kumar, SVSharma	Govt. of A.P, Hyderabad.	2001	14-19, 24-34, 44-63, 74-81
2.	Effect of Industrial (Tanneries) effluents to certain animals,	Proceedings of the International Conference on Land Use Change, Biodiversity and Climate Change	Samuel Raj	Nesamony Memorial Christian College, Marthandam.	6-7 th October 2008	61-64
3.	Effect of	Proceedings	Vijay Kumar	Dept. of	18-19 th	

	Tanneries Effluents on Certain Biochemical Aspects of <i>Ophiocephalus</i> (L),	of National Seminar on Biotechnology in life science current trends and developments,		Zoology, KGC, Hanamkonda,	July,2009	80-83
4.	Supplementation of amino acids valine and leucine to Eri silkworm <i>Philosamia ricini</i> to study its effects on cocoon characters	National Seminar on Emerging Trends in Animal Biotechnology,	Vijaikumar N.	Dept. of Zoology, Kakatiya University, Warangal	2010	
5.	A review on water born diseases	Proceedings of National Seminar on Recent Trends in Tropical Diseases of Man,	Dr.Ponna Srinivas	NG College, Nalgonda.	2012	
6.	Girl Child Nutrition-Most Neglected Parameter Across the World	Proceedings of National Seminar on Dimensions of Female Sex-Ratio Inter State Variations in India, Issues and Challenges	B.Venkatesh warlu	SSR Jyothi Arts & Science College Khammam, Andhra Pradesh, pp. 168-183, ISBN- 978-81-8180-576-9	2012	168-183
7.	Awareness and levels of knowledge of young people on HIV/aids	Proceedings of National Seminar on Recent Trends in Tropical Diseases of Man	Dr.Ponna Srinivas	NG College, Nalgonda. Sept.	2012	117-119
8.	Dimention of Innovative	International Conference	Patric Blessings	University of Central Florida,	2012	120-121

	Teaching	on Higher Education Teaching & Learning		Orlando, US, 13-14 th January,		
9.	Teachers' influence on student achievements a study in higher education	Proceedings of National Seminar on "Accreditation of Higher Educational Institutions, issues, challenges, experiences and perspectives	NVN Chary	Kakatiya Govt. College, Hanamkonda, Warangal ISBN: 978-93-82829-89-8	2014	75-82
10	"Academic Clubs and Qualitative Education"	International Conference on 2015 Teaching Professor Conference.	Patric Blessings	May 29-31 in Atlanta, Georgia	2014	

iii) Articles Published in Journals (please enclose the list)

S.No.	Title of the Article	Journal with ISBN/ISSN	Year/Month
1.	Preliminary Observations on the effect of industrial effluents to certain animals.	Ind. J. Environ. Hlth., 26(1), 57-59.	1984
2.	Certain biochemical studies on freshwater mussel <i>Pyrreysia rugosa</i> (G) exposed to effluents from textile industry.	Uttar Pradesh J. Zool., 4(2), 162-167.	1984
3.	Cardiac stimulation of Brucin in Cockroach <i>Periplaneta Americana</i> (L),	Ind. J. Physiol. Pharmac., 29 (1), 59-61.	1985
4.	Impact of rogor (Dimethoate) treated to last instar larva of Silkmoth <i>Bombyx mori</i> (L), eggs.,	Bull. Pure & appl. Sci., 4 A (1-2), 11-13.	1985
5.	Effect of rogor on certain aspects of metamorphosis in Silkmoth <i>Bombyx mori</i> (L).	Geobios, 12, 216-218.	1985
6.	Insects of Indian forests	Aranya, July-Dec., 1-2.	1985
7.	Production of supernumerary larva by	Curr. Sci., 55 (12) 580-	1986

	the Juvenile hormone analogue fed imagines of <i>Tribolium castaneum</i> (H).	81.	
8.	Effect of dimethoate on glycogen, protein and amino acid content of certain tissues of silkworm <i>Bombyx mori</i> (L).	Proc. VII All India Symp. Comp. Ani. Physiol.	1986
9.	Effect of dimethoate on glycogen content of certain tissues of Silkworm <i>Bombyx mori</i> (L).	Ind. J. Comp. Ani. Physiol, 4 (2), 119-121	1986
10.	Influence of dimethoate (Tech) on certain commercial aspects of silkworm <i>Bombyx mori</i> (L), development.	Life. Sci.	1986
11.	Heart beat in silkworm, certain metabolic considerations	Ind. J. Comp. Ani. Physiol., 4 (2), 105-109.	1986
12.	Effect of Neem seed extract on silkworm <i>Bombyx mori</i> (L)	Neem News Letter, 3 (2), 18-20	1986
13.	Impact of Theotepa, JHA and Neem on certain commercial aspects of silkworm <i>Bombyx mori</i> (L)	Ind. J. Comp. Ani. Physiol., 5 (2), 75-78	1987
14.	Biochemical effect of phosphomidon on silk gland and other tissues of <i>Bombyx mori</i> (L), Proc. VIII Ann. Session AEB & Nat. Symp. Environ. Pollution	Proc. VIII Ann. Session AEB & Nat. Symp. Environ. Pollution	1987
15.	Response of silkworm <i>Bombyx mori</i> heart to certain insecticides	Ind., J. Comp. Ani. Physiol, 6 (1), 59-64	1988
16.	Phosphomidon as a potent toxicant to silkworm <i>Bombyx mori</i> (L), Environ. & Ecol., 7 (4), 925-927	Environ. & Ecol., 7 (4), 925-927	1989
17.	Studies on some commercial aspects in relation to phosphomidon treatment to <i>Bombyx mori</i> larva.	Ind. J. Comp. Ani. Physiol., 10 (1), 37-41	1992
18.	Silkworm spinning stage – importance (Telugu article),	Pattu Sravanthi, Dept. of Sericulture, Govt. of AP., 17-19, Aug-Oct,	1993
19.	Vocational courses – an observation (Tel Article)	Smaranika	1993-94
20.	Antifeedant effect of neem seed extract on <i>Tribolium castaneum</i> H.	Neem News Letter	1995
21.	Pesticides ? or Health? (Tel article)	Tel. J.AP., Telugu Akademy, Hyderabad	1996
22.	By products of sericulture and their utilization (Tel article)	Annadata, AP., Hyderabad	1996
23.	Silkworm rearing – Quality of mulberry leaf – Preservation methods (Tel	Annadata, 50-51, AP., Hyderabad	1997

	article)		
24.	Effect of insecticides and neem on silk characters	Ind. J. Comp. Ani. Physiol.	1998
25.	Physiological effects of nutrition on heart beat in silkworm <i>Bombyx mori</i> (L)	J. Ecobiology	1999
26.	Toxicity of phosphomidon on protein metabolism in <i>Bombyx mori</i> (L).	Ind. J. Comp. Ani. Physiol.	1999
27.	Bad cocoons identification and prevention (Tel article)	Pattu sravanthi, Dept of Sericulture, AP., Hyderabad	1999
28.	Effect of Dimethoate on Proteins and amino acids of certain tissues in silkworm, <i>Bombyx mori</i> (L)	J. Ex. Zool.	2000
29.	Role of micronutrients in mulberry cultivation	Annadata (Tel article), AP	2000
30.	Toxicity of Phosphomidon on protein metabolism in <i>Bombyx mori</i> (L),	Proceedings of Seminar on Recent Advances in Animal Sciences,	2000
31.	Study of biochemical parameters in neem seed extract treated <i>Tribolium castaneus</i> (H).	Geobios, Nov.	2008
32.	Effect of neem seed extract on Eri silkworm silk gland proteins	Neem News Letter, ICAR, New Delhi.	2009
33.	Biochemical studies of proteins after application of dietary amino acids to Eri silkworm	Indian J. Animal Research	2010
34.	Effect of dietary amino acids on commercial parameters of Eri silkworm	The Asian Jr. Animal Science, July	2010
35.	Effect of neem seed extract on commercial parameters of Eri silkworm	Neem News Letter, ICAR, New Delhi, October	2010
36.	Iodized salt and its importance in daily life	Telugu Vaigyanika Thrimasika Patrika, 39. Telugu Akademy, Hyderabad, quarterly journal, Oct-Dec., 146-153	2010
37.	How to remove stains on silk cloths	Eenadu Vasundara, May	2012
38.	Non conventional energy resources- their utilization	Telugu Akademy, Hyderabad, Quarterly journal, Aug.	2012
39.	Medicinal values of Mulberry plant products.	Telugu Akademy, Hyderabad, March	2013

40.	Supplementation of aminoacids valine and leucine to eri silkworms <i>philosamia ricini</i> (h) to study its effects on cocoon characters.	International Journal of Applied Biosciences, Peer Reviewed Journal, Volume 02, Number 01, pp64-66	2014
41.	Effect of industrial (tanneries) effluents to certain animals	NEEERI, Oct.	2014
42.	Learning corners...a gate way to success in higher education	Mangalmay Journal of Education and Pedagogy, volume-5, Number-1, ISSN: 2229-3914, pp-87-91	2014
43.	Awareness and levels of knowledge of young people on HIV/aids	Jr. Scientific Society Vol-42,(1), pp 121-124.	Jan-April 2015

iv). Papers Presented in Conferences/Seminars/Workshops (please enclose the list)

S. No.	Title of the paper	Title of Conferences/Seminars/Workshops	Presented Place and date(s)	Publisher & Year of publication
1.	Impact of rogor (Dimethoate) treated to last instar larva of Silkworm <i>Bombyx mori</i> (L), eggs.	II Indo-Pacific & Fourth All India Symposium on Invertebrate Reproduction	Madras	Presidency College, 1984
2.	Effect of dimethoate on glycogen, protein and amino acid content of certain tissues of silkworm <i>Bombyx mori</i> (L).	VII All India Symposium on Comparative Animal Physiology	Kalyani, West Bengal	Kalyani University, 1985
3.	Effect of Rogor on silkworm larval silk glands	IX Annual Conference and Symposium on Comparative Animal Physiology	New Delhi	JNTU, 1986
4.	Biochemical effect of phosphomidon on silk gland and	VIII Annual Session of AEB & National Symposium on Environmental Pollution & Pesticide Toxicology	Jammu	1987

	other tissues of <i>Bombyx mori</i> (L),			
5.	Response of silkworm <i>Bombyx mori</i> heart to certain insecticides	III National Symposium on Nutritional Ecology of Insect & Environment	Muzaffarnagar	1988
6.	Mulberry in Tasar areas	Workshop on Tasar Culture	KU, Warangal	1992
7.	Effect of temperature on production of BV cocoons	Two-Day Workshop on Bivoltine Sericulture	KU, Warangal	1993
8.	Effect of insecticides and neem on silk characters	XVII Annual Conference of Indian Society for Comparative Animal Physiology and Symposium on Physiology & Marine Resources	Goa University & National Institute of Oceanography, Goa	1995
9.	Role of micronutrients in mulberry cultivation	National Seminar on Sericulture	KU, Warangal	1997
10.	Toxicity of Phosphomidon on protein metabolism in <i>Bombyx mori</i> (L)	National Seminar on recent Advances in Animal Sciences	KU, Warangal	2000
11.	Effect of Dimethoate on Proteins and amino acids of certain tissues in silkworm, <i>Bombyx mori</i> (L)	One Day Symposium on Animal Science-2001 & Sericulture	KU, Warangal	2001
12.	A study on Mulberry diseases	National Seminar on Recent Trends in Microbiology	PGCW, Warangal, 22-23 November	2007
13.	Study of biochemical parameters in	National Conference on Frontiers in Bioinformatics and Biotechnology	KU, Warangal, 3-4 th January	2008

	neem seed extract treated <i>Tribolium castaneus</i> (H)			
14.	Effect of Industrial (Tanneries) effluents to certain animals	International Conference on Land Use Change	Nesamony Memorial Christian College, Marthandam, Chennai, 6-7 th October	2008
15.	Effect of Tanneries Effluents on Certain Biochemical Aspects of <i>Ophiocephalus</i> (L)	National Seminar on Biotechnology in Life Sciences Current Trends and Developments	KGC, Warangal. 18-19 th July	2009
16.	Effect of cement on human health	National Seminar on New Vistas in Chemistry during 21 st Century	PGCW, Warangal, 11-12 th September	2009
17.	Supplementation of amino acids valine and leucine to Eri silkworm <i>Philosamia ricini</i> to study its effects on cocoon characters	National Seminar on Emerging Trends in Animal Biotechnology	KU, Warangal. 26-27 th March	2010
18.	Bye products of Sericulture- A review	National Seminar on Emerging Trends in Animal Biotechnology	KU, Warangal. 26-27 th March	2010
19.	Biodiversity-Problems to silkworm	National Seminar on Role of Animal Biotechnology in Development of Healthcare-2012	Giriraj Govt. College (Autonomous), Nizamabad, 12-13 th Sept	2012
20.	A review on water born diseases	National Seminar on Recent Trends in Tropical Diseases of Man	NGC, Nalgonda 25-26 th Sept	2012

21.	Awareness and levels of knowledge of young people on HIV/aids	National Seminar on Recent Trends in Tropical Diseases of Man	NGC, Nalgonda 25-26 th Sept	2012
22.	Girl Child Nutrition-Most Neglected Parameter Across the World	National Seminar on Dimensions of Female Sex-Ratio Inter State Variations in India, Issues and Challenges	Khammam	2012
23.	Dimintions of Innovative Teaching	The 2013 International Higher Education Teaching and Learning Association Conference: Exploring Spaces for Learning	University of Central Florida. 13-15 th January	2013
24.	Role of Teacher in Higher education.	National Seminar on Quality Assurance Practices in Higher Education	KGC, Warangal. 26-27 Sept	2013
25.	Teachers' influence on student achievements a study in higher education	National Seminar on Accreditation of Higher Educational Institutions, issues, challenges, experiences and perspectives	KGC, Warangal. 25-26 July	2014
26.	Medicinal values of Mulberry plant products	National Seminar on Recent Trends in Plant Sciences	PGCW, Warangal 11-12 th Sept	2014
27.	Byproducts of silkworm litter	National Seminar on Recent Trends in Animal Biotechnology	KU, Warangal 27-28 th November	2014
28.				
29.	Skill Based Learning- A Boon for the Student	International Conference on Equipping the Unequipped- Empowerment through Knowledge, Technology and Skills	Dr.BRAOU, Hyderabad, 10-12 th Nov.	2018
30.	Effect of Tannery Effluents on Certain Biochemical Aspects of <i>Ophiocephalus punctatus</i> (L).	National Seminar on Science & Technology for Sustainable Development	Faculty of Sciences, Dr.BRAOU, Hyderabad, 2 nd -3 rd , Sept.	2022

31.			
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v). Monographs/Reports (if any)YES

Health & Nutrition (TM) ..ISBN 978-8181-805-79-8, 2018

23. Conferences/Seminars/ Workshops Organized (please enclose the list)NIL...

S. No.	Status as Organizer	Title of the Conferences/Seminars	Date(s) of Conferences/Seminars/Workshops

24. Conferences /Seminars/Workshops Chaired (please enclose the list)NIL...

S. No.	Title of the Conferences/Seminars/Workshops	Organized by	Place & Date(s) of the Conferences/Seminars/Workshops
1.	Technical Session-I, Zoology in National Seminar on Science and Technology for Sustainable Development.	Faculty of Sciences, Dr.B.R.A.O.U, Hyd	Hyderabad 02-09-2022 to 03-09-2022

25. Conferences/Seminars/ Workshops/ Symposiums/ Refresher Courses/ Orientation Courses participated (please enclose the list)

S. No.	Title	Organized by	Place & Date(s)
1.	Orientation Course	UGC-Academic Staff College, Osmania University.	Hyderabad 01-06-2010 to 28-06-2010
2.	Environmental Sciences	UGC-Academic Staff College, Andhra University.	Vizag 13-06-2011 to 03-07-2011
3.	International Conference on Equipping the Unequipped	GRADE, Dr.B.R.A.O.U, Hyd.	Hyderabad 10-12 th Nov.
4.	National Seminar on Science and Technology for Sustainable Development.	Faculty of Sciences, Dr.B.R.A.O.U, Hyd	Hyderabad 02-09-2022 to 03-09-2022

26. Chairman/Member of Authority/Committee etc (please enclose the list)NIL....

S. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)

27. Membership in Professional Organization/Associations (please enclose the list)

S. No.	Name of the Association/Organizations	Life Member/Ordinary Member
1.	Indian Society of Comparative Animal Physiology	Member
2.	Ruth Cohn Institute for Theme Cantered Interaction India, Mahatma Gandhi University, Kottayam, Kerala	Life Member
3.	Indian Red Cross Society	Life Member

28. Faculty exchange ProgrammeNIL.....

S.No.	Title of the Faculty Exchange Programme	Name of the institution and country	Funding body	Duration

29. Foreign Universities Visited for Academic Programme (Details may enclose)...NIL

30. Foreign Assignments (Details may enclose)NIL...

31. Academic / Administrative Positions heldNIL...

S.No.	Designation	Institution	Period

32. Any other Information--Honorary Wildlife Warden, Warangal-dist, Govt. of Telangana, 2017

Date: 07-07-2022

Place: Jubilee Hills, Hyderabad

(SIGNATURE)

Forwarded

Head

Dean

Director (Academic)