

**GOVERNMENT DEGREE COLLEGE FOR WOMEN,  
WANAPARTHY, TELANGANA State  
(Affiliated to Palamuru University, Mahabubnagar)**

**DEPARTMENTAL PROFILE**

**DEPARTMENT OF ZOOLOGY**



**FACULTY DETAILS**

1. G. SRAVANTHI, M.Sc., B.Ed., TSSET
2. Dr.K.SANDHYA, M.Sc., Ph.D., TSSET

## BRIEF HISTORY OF THE COLLEGE

The Government Degree College, Wanaparthy has established in the year 1991 with the aim of Imparting Quality Education. The College is located at Nandhihills, Wanaparthy. This College is under the Governance of State Government of TELANGANA. The college offering the undergraduate course under the affiliation of Palamuru University, Mahabubnagar. The College provides well qualified and dedicated Lecturers to train its students in accomplishing their target.



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### ABOUT THE ZOOLOGY DEPARTMENT:

The Department of Zoology was established in July 1991 with B.Sc.(Botany,Zoology,andChemistry) in Telugu medium with sufficient faculty. Since then the Department has been contributing a major role in the success of the college.

Previously the Department of Zoology under the OSMANIA UNIVERSITY up to 2010, after 2010-

2011 Academic year the Department converted to PALAMURU UNIVERSITY. In 2018-2019 Palamuru University introduced BZC English medium Course in our college. At present the student strength of the department is 404.

At present the department of Zoology is in north side of the building. The Department of Zoology has one BZC general course with English medium & Telugu medium. Presently two faculty members are working in this Department. The department is provided with two Laboratories.

The Department is also maintaining a separate Library for the benefit of students as well as faculty of Zoology Department. The Department is encouraging the students towards higher education like M.Sc. Zoology, Biotechnology, Microbiology and also for various competitive exams like TSPSC/Junior Lecturers etc.



### **RESOURCES :**

- Dedicated Lecturers
- Well equipped two Laboratories
- Smart class room
- Seminar Hall
- Unique Zoological museum
- Good Departmental Library
- Separate Computer with Internet facility
- Sophisticated instruments in Research Lab

### **Departmental Activities:**

- A Part from the regular theory & Practical classes the students of this department have opportunity to explore the innovative academic thinking through participation in seminars, Group discussion, quiz contest, Elocution & Debate organized by the department periodically.
- Besides regular classes department conduct special classes and remedial classes for academic improvement of the students.
- Students were submitted their study projects on Environmental protection, Importance of Nutrients in food, Biodiversity
- Conduct of study tours has been made compulsory involving final year students to provide practical exposure.
- The electronic class room & Internet access to all students provide capacity of students to learn.

- Health camps are arranged and medical record of the students is maintained. Almost all clinical pathology tests were conducted by the Department.
- Using of Audio-Visual teaching aids like over head projector (OHP), Computer, Laptop, Charts, Models, specimens & Animal albums etc.



### Awareness Programmes:

- We are planning to visit villages along with NSS volunteers to bring awareness among the rural mass about the dreadful diseases like AIDS, DENGUE, MALARIA, CHICKEN GUNYA, HEPATITIS –B, etc. and educate them regarding the precautions required to be taken to avoid such diseases.
- We conduct at least one health camp in the villages in one academic year involving senior doctors to be sponsored by GDC(W), Wanaparthy Government Hospital for Polio Vaccination.
- Cancer awareness, Consumer awareness and impact of Environmental pollution awareness programmes were also undertaken.
- Greenary Plantation in Wanaparthy streets, giving awareness in village people. Seminars conducted on significance of Biodiversity.



### Community Services:

- As a community service the students of B.Sc.(BZC) visited the slum villages to estimate the Haemoglobin percentage and blood groups of the people of that area.
- AIDS awareness, Eye checking, clean & green, Literacy development programmes were undertaken by our students in the nearby rural areas.



### **Extra – Curricular Activities:**

- Providing special coaching classes for M.Sc. Zoology & B.Ed. (Bioscience) aspirant students.
- Teachers day celebration by the students, Environmental day & science day conducted.
- Participation of students in sports/ games in University level.
- Introduction of computer education to select the students.
- Basic computer training programmes can be offered to all the students.
- Special welfare committee for girls & e-learning using modern methods.

### **Social Activities:**

- To inculcate work culture among the students by involving them at least once in a fortnight in cleaning and greening the college and other social institutions rendering free services to the society.
- Awareness camp on seasonal & communicable diseases and HIV-AIDS.
- Conducted special camps to give awareness among people to reduce the air pollution, water pollution & usage of plastic materials.

### **Details of the Plans in the Zoology Department:**

- Our department has a vision of improving creativity skills of youth and thus committed to provide all necessary facilities to the teachers to offer practical orientation in order to impart latest knowledge to the students.

- To educate the students towards career focus, the placement cell facility may be extended to all students.

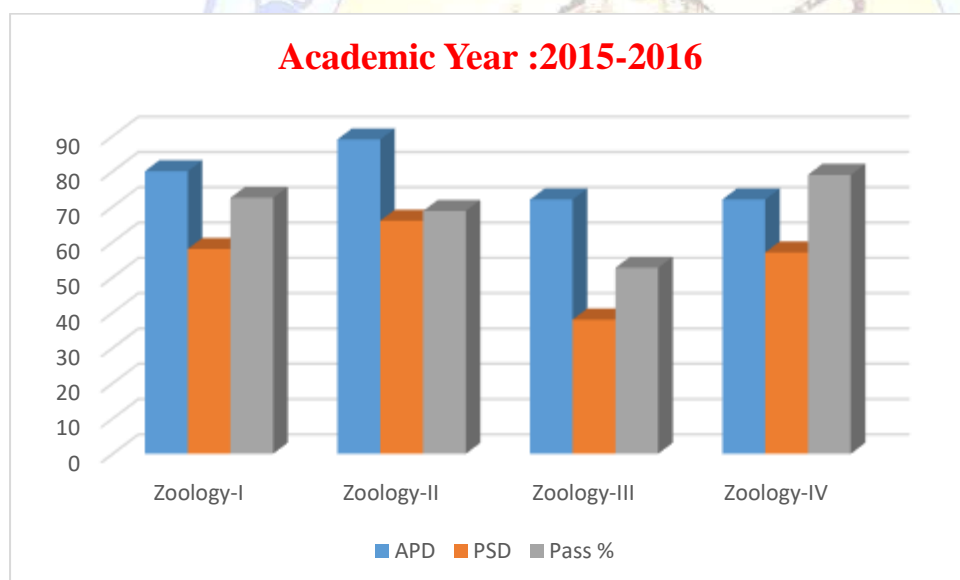
#### PLAN OF ACTION FOR NEXT 5 YEARS:

- Plan to start diploma courses related to life sciences.
- Plan to set up a new Microbiology & Biochemistry Lab.
- Plan to establish Zoology P.G.Course.
- Plan to strengthen the alumni association of the department.
- Professional, Personal & Medical counseling may be offered to the students.
- Informal & formal training on essentials of Soft Skills & information technology.
- Basic computer training programmes can be offered to all the students.

#### RESULT ANALYSIS

#### Academic Year:2015-2016

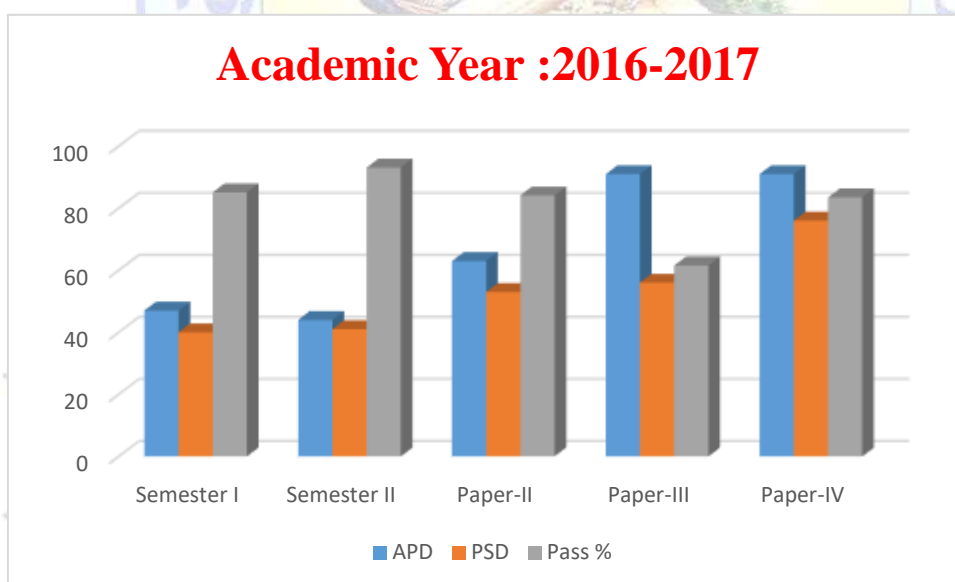
Paper	No.of Students Appeared	No.of Students Passed	Pass Percentage
Zoology-I	80	58	72.50
Zoology-II	89	66	68.75
Zoology-III	72	38	52.70
Zoology-IV	72	57	79



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## Academic Year:2016-2017

Paper	No.of Students Appeared	No.of Students Passed	Pass Percentage
Semester I	47	40	85.1
Semester II	44	41	93.1
Paper-II	63	53	84.12
Paper-III	91	56	61.53
Paper-IV	91	76	83.51

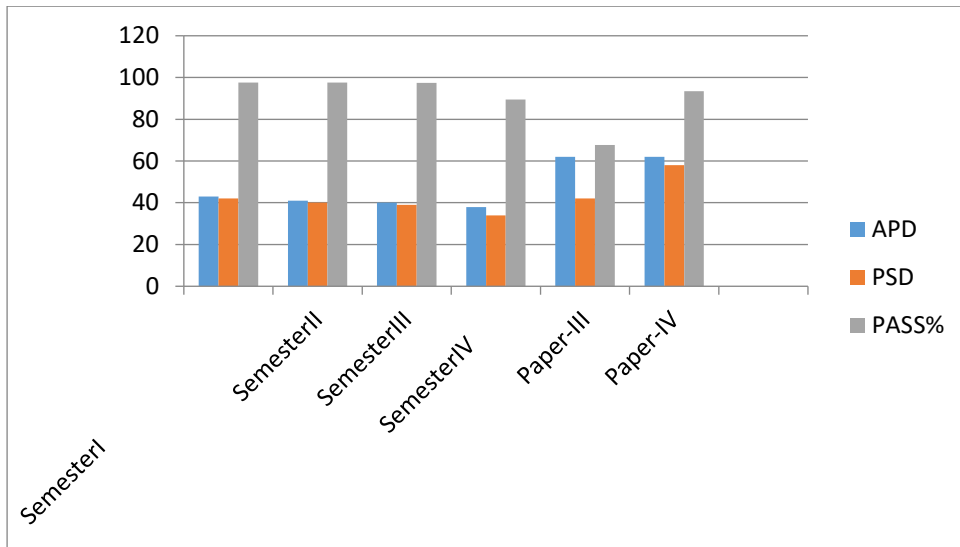


## Academic Year:2017-2018

Paper	No.of Students Appeared	No.of Students Passed	Pass Percentage
Semester I	43	42	97.60
Semester II	41	40	97.56
Semester III	40	39	97.50
Semester IV	38	34	89.40
Paper-III	62	42	67.70
Paper-IV	62	58	93.50



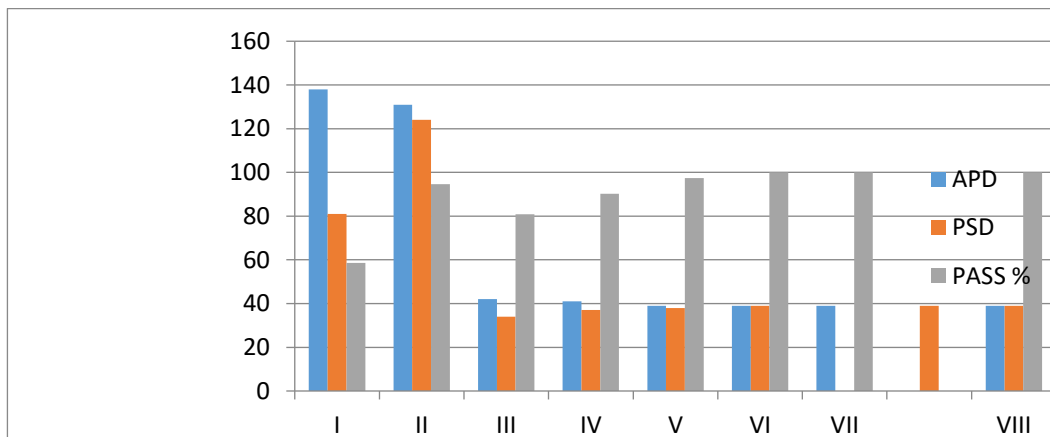
### Academic Year 2017-18



### Academic Year:2018-2019

Semester	Paper	No.of Students Appeared	No.of Students Passed	Pass Percentage(%)
<b>I</b>	<b>I</b>	138	81	<b>58.6</b>
<b>II</b>	<b>II</b>	131	124	<b>94.6</b>
<b>III</b>	<b>III</b>	42	34	<b>80.9</b>
<b>IV</b>	<b>IV</b>	41	37	<b>90.2</b>
<b>V</b>	<b>V</b>	39	38	<b>97.4</b>
	<b>VI</b>	39	39	<b>100</b>
<b>VI</b>	<b>VII</b>	39	39	<b>100</b>
	<b>VIII</b>	39	39	<b>100</b>

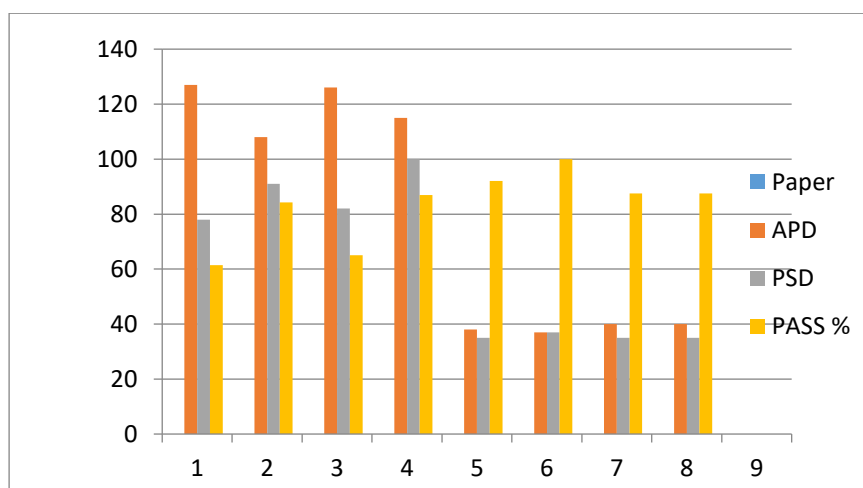
### Academic Year:2018-2019



## Academic Year: 2019-2020

Semester	Paper	No. of Students Appeared	No. of Students Passed	Pass Percentage (%)
I	I	127	78	61.40
II	II	108	91	84.20
III	III	126	82	65.07
IV	IV	115	100	86.90
V	V	38	35	92.10
	VI	37	37	100
VI	VII	40	35	87.50
	VIII	40	35	87.50

## Academic Year: 2019-2020



### CURRICULAR ASPECTS

- We follow the syllabus framed by PALAMURU UNIVERSITY, Mahabubnagar.
- Improvement of syllabus is done by incorporating the additional inputs.
- Annual curriculum plan is prepared in the beginning of the academic year based on the Academic calendar supplied by the Commissionerate of Collegiate Education.
- In entire B.Sc (BZC) course, there are 06 papers theory each of 80 marks

and 06 practical papers each of 25 marks. Internal papers each of 20marks.

This syllabus is listed below.

Semester	Paper	Syllabus
Semester I	I	Animal Diversity-Invertebrates
Semester II	II	Animal Diversity-Vertebrates
Semester III	III	Animal Physiology & Animal Behaviour
Semester IV	IV	Cell Biology, Genetics and Developmental Biology
Semester V	V	Physiology & Biochemistry
	VI	Applied Zoology
Semester VI	VII	Immunology & Animal Biotechnology
	VIII	Aquatic Biology

### Time table

DAY	Year	I Period	II Period	III Period	12:30 to 1:00	IV Period	V Period	VI Period
		9:30 to 10:30	10:30 to 11:30	11:30 to 12:30		1:00 to 2:00	2:00 to 3:00	3:00 to 4:00
MONDAY	I Yr	PRACTICAL			LUNCH Break		Zoology	
	II Yr	Zoology						
	III Yr		Zoology			PRACTICAL		
TUESDAY	I Yr	PRACTICAL				Zoology		
	II Yr			Zoology				
	III Yr		Zoology			PRACTICAL		
WEDNESDAY	I Yr	PRACTICAL						
	II Yr			Zoology				
	III Yr	Zoology				PRACTICAL		
THURSDAY	I Yr							
	II Yr	PRACTICAL						
	III Yr	Zoology				PRACTICAL		
FRIDAY	I Yr		Zoology					
	II Yr	PRACTICAL				Zoology		
	III Yr			Zoology	PRACTICAL			
SATURDAY	I Yr		Zoology			Zoology		
	II Yr	PRACTICAL						
	III Yr			Zoology	PRACTICAL			

**3019 : Government Degree College for Women,  
Wanaparthy, Telangana state**

**( Affiliated to Palamuru University, Mahabubnagar )**

**Department of Zoology : Student Strength Details**



**Academic Year : 2015-2016**

SL No	GROUP	Medium	San. Stg.	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	Medias	TOTAL	PHC
1	I B.Sc BZC	TM	120	38	6	15	10	0	20	2	1	0	92	
2	II B.Sc BZC	TM	120	64	9	14	6	0	12	3	1	0	109	
3	III B.Sc BZC	TM	120	37	3	13	5	0	20	1	2	0	81	
4	<b>TOTAL</b>		<b>360</b>	<b>139</b>	<b>18</b>	<b>42</b>	<b>21</b>	<b>0</b>	<b>52</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>282</b>	

**Academic Year : 2016-2017**

SL No	GROUP	Medium	San. Stg.	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	Medias	TOTAL	PHC
1	I B.Sc BZC	TM	60	9	5	9	7		20	4	2		56	
2	II B.Sc BZC	TM	120	29	5	13	8		16	2	1		74	
3	III B.Sc BZC	TM	120	56	7	14	5	0	10	3	1	0	96	
4	<b>TOTAL</b>		<b>300</b>	<b>94</b>	<b>17</b>	<b>36</b>	<b>20</b>	<b>0</b>	<b>46</b>	<b>9</b>	<b>4</b>	<b>0</b>	<b>226</b>	

**Academic Year : 2017-2018**

SL No	GROUP	Medium	San. Stg.	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	Medias	TOTAL	PHC
1	I B.Sc BZC	TM	60	10	4	11	9	0	14	2	2		52	
2	II B.Sc BZC	TM	60	9	3	7	6	0	20	3	1	0	49	
3	III B.Sc BZC	TM	120	25	2	12	8	0	13	1	1	0	62	
4	<b>TOTAL</b>		<b>240</b>	<b>44</b>	<b>9</b>	<b>30</b>	<b>23</b>	<b>0</b>	<b>47</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>163</b>	

**Academic Year : 2018-2019**

SL No	GROUP	Medium	San. Stg.	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	Medias	TOTAL	PHC
1	I B.Sc BZC	TM	120	17	2	17	12	0	35	2	2	0	87	
2	I B.Sc BZC	EM	120	11	3	15	10	1	23	9	1	0	73	
3	II B.Sc BZC	TM	60	12	2	9	11	0	11	2	2	0	49	
4	III B.Sc BZC	TM	60	9	3	6	5	0	15	3	1	0	42	
5	<b>TOTAL</b>		<b>360</b>	<b>49</b>	<b>10</b>	<b>47</b>	<b>38</b>	<b>1</b>	<b>84</b>	<b>16</b>	<b>6</b>	<b>0</b>	<b>251</b>	

**Academic Year : 2019-2020**

SL No	GROUP	Medium	San. Stg.	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	Medias	TOTAL	PHC
1	I B.Sc BZC	TM	60	17	1	11	12	0	14	1	3	0	59	
2	I B.Sc BZC	EM	120	9	4	14	12	0	24	13	6	0	82	
3	II B.Sc BZC	TM	120	12	0	11	12	0	30	2	2	0	69	
4	II B.Sc BZC	EM	120	10	3	12	11	1	18	9	1	0	65	
5	III B.Sc BZC	TM	60	9	3	6	5	0	15	3	1	0	42	
	<b>TOTAL</b>		<b>480</b>	<b>57</b>	<b>11</b>	<b>54</b>	<b>52</b>	<b>1</b>	<b>101</b>	<b>28</b>	<b>13</b>	<b>0</b>	<b>317</b>	

## Faculty Profile

At Present 02 faculty members are present in the department.

S.No	Name of the Lecturer	Designation	Experience
1	G. SRAVANTHI M.Sc., B.Ed., TSSET	Lecturer	10 Years
2	Dr.K.SANDHYA M.Sc., Ph.D., TSSET	Lecturer	13 Years

### Staff Details:

#### 1. G.SRAVANTHI

Full Name : **GENTE SRAVANTHI**  
Father's Name : Lingam  
Mother's Name : Sukanya  
Designation : Lecturer in Zoology  
Qualification : M.Sc., B.Ed., TSSET.  
Date of Birth : 22.08.1988  
Teaching Experience : 10 years in Government Degree Colleges.



#### 2. Dr.K.SANDHYA

Full Name : **Dr. KANCHARLA SANDHYA**  
Father's Name : Agaiah  
Mother's Name : Sarojana  
Designation : Lecturer in Zoology  
Qualification : M.Sc., Ph.D., TSSET.  
Date of Birth : 1<sup>st</sup> June, 1982  
Teaching Experience : 13 years in Government Degree Colleges.



## Research Publications in International Journals

PHYSICO-CHEMICAL PROPERTIES OF SOME SELECTED FRESH WATER FISH PONDS IN RELATION TO FISH PRODUCTION IN WARANGAL AREA - Volume-6, Issue-4 Oct-Dec-2016 Coden: IJPAJX-CAS-USA, Copyrights@2015ISSN-2231-4490 Received: 10thJuly-2016 Revised: 30th Aug-2016 Accepted: 5 th Sept-2016 DOI: 10.21276/Ijpaes <http://dx.doi.org/10.21276/ijpaes> Research article. *Internationaljournal of Plant, Animal and environmental Sciences*.(Impact Factor-1.6)

PHYSICO-CHEMICAL PROPERTIES OF WATER ARE THE INDICATORS OF THE WATER QUALITY – A CASE STUDY OF YELLANDA FRESH WATER FISH POND IN WARANGAL – ISBN 978-93-85518-10-2 proceedings *International Conference on Biotechnology & Bioengineering - Trends. ICBT-2017 sponsored by TEQIP-II, JNTUH, Telangana State, India.*

STUDIES ON SEASONAL VARIATIONS OF PHYSICO -CHEMICAL PARAMETERS IN A FRESH WATER LAKE AT UPPARAPALLE, WARANGAL DISTRICT, TELANGANA, INDIA -ISSN: O: 2319-6475, ISSN: P: 2319-6505, Impact Factor: SJIF: 5.995 Available Online at [www. Journalijcar.org](http://www.Journalijcar.org) Volume6; Issue 11;November 2017; Page No.xxxxDOI:<http://dx.doi.org/10.24327/ijcar.2017.2346.0005> (Impact Factor-5.995)

WATER QUALITY ASSESSMENT IS A TOOL FOR THE MONITORING OF CULTURE POND –A STUDY OF UPPARAPALLE FRESHWATER LAKE OF WARANGAL DISTRICT, TELANGANA STATE - IMPACT: *International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) ISSN (P): 2347-4580; ISSN (E): 2321-8851 Special Edition, Jul 2018, 1-12 © Impact Journals (Impact Factor-4.6148)*

ZOOPLANKTON ABUNDANCE IN RELATION TO PHYSICO-CHEMICAL PROPERTIES OF FRESHWATER-ASSESSMENT OF A PERENNIAL LAKE AT URBAN AREA OF WARANGAL URBAN DISTRICT, TELANGANA STATE. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume 13, Issue 3 Ser. III (March. 2019), PP 63-70 [www.iosrjournals.org](http://www.iosrjournals.org)*

THE E- LEARNING - IS IT AN EFFECTIVE TOOL IN SHARING KNOWLEDGE IN HIGHER EDUCATION? A REVIEW. *International Journal of Science and Research (IJSR) ISSN: 2319-7064 SJIF (2019): 7.583*

### **Invited Lectures / Resource person / Paper presentation in Seminars / Conferences / Full paper in Conference Proceedings**

#### **International Conference**

Proceedings International Conference On Biotechnology & Bioengineering - Trends. Icbt-2017 Sponsored By Teqip-Ii, Jntuh, Telangana State, India.PRESENTED PAPER TITLE : PHYSICO-CHEMICAL PROPERTIES OF WATER ARE THE INDICATORS OF THE WATER QUALITY – A CASE STUDY OF YELLANDA FRESH WATER FISH POND IN WARANGAL – ISBN 978-93-85518-10-2

#### **National Conferences**

National Seminar On Recent Innovations In Animal Sciences Organised By Department Of Zoology, Ku, Wgl. 17&18 March, 2017.  
PRESENTED PAPER TITLE: AN ASSESSMENT OF THE PHYSICO CHEMICAL

CHARACTERISTICS OF FRESH WATER FISH POND AT UPPERAPALLE, WARANGAL, TELANGANA, INDIA.

National Conference On Harmony With Nature In Context Of Environmental Issues And Challenges 21-23 December, 2017.

PRESENTED PAPER TITLE : ZOOPLANKTON ABUNDANCE IN RELATION TO PHYSICO CHEMICAL PROPERTIES OF FRESH WATER ASSESSMENT OF A PERENNIAL LAKE AT URBAN AREA OF WARANGAL URBAN DISTRICT, TELANGANA STATE.

National Conference On Frontiers Of Plant Research Prospects And Challenges Organised By Department Of Botany, Ku, Wgl.

PRESENTED PAPER TITLE : BIODIVERSITY OF PHYTOPLANKTON AND FISH ABUNDANCE IN A FRESH WATER LAKE

National Level Workshop on Collegiate Colloquium on e- Learning 16<sup>th</sup> April, 2019 sponsored by RUSA Organised by PingleGDC for Women,Wgl.

PRESENTED PAPER TITLE: THE E-LEARNING-IS IT AN EFFECTIVE TOOL IN SHARING KNOWLEDGE IN HIGHER EDUCATION?-A REVIEW.

National Seminar On Emerging Trends In Aquatic Biodiversity

Sri Velagapudi Ramakrishna Memorial College Nagaram-522268, Guntur District, A.P.

DELIVERED LECTURE ON PHYSICO CHEMICAL PROPERTIES OF FRESH WATER FISH POND AND FISH PRODUCTIVITY.

NATIONAL WORK SHOP ON BIOINFORMATICS AND SEQUENCE ANALYSIS ORGANISED BY DEPT. OF ZOOLOGY, KU, WGL. APRIL 26-28, 2018.

NATIONAL SYMPOSIUM ON INDIAN PHARMACEUTICAL ASSOCIATION , ROLE OF POLYMER TECHNOLOGY IN NOVEL DRUG DELIVERY SYSTEMS HELD AT ST.PETERS INSTITUTE OF PHARMACEUTICAL SCIENCES. HELD AT ST. PETERS INSTITUTE OF PHARMACEUTICAL SCIENCES.

INDIAN PHARMACEUTICAL ASSOCIATION, 4<sup>TH</sup> STUDENT CONGRESS, HELD AT ST.PETERS INSTITUTE OF PHARMACEUTICAL SCIENCES HELD AT ST. PETERS INSTITUTE OF PHARMACEUTICAL SCIENCES,HNK,WGL.

#### **STATE LEVEL CONFERENCES**

STATE LEVEL ONE DAY ORIENTATION PROGRAMME ON CBCS-QUALITY ENHANCEMENT AND SUSTENANCE ORGANISED BY IQAC, PINGLE GDC,WGL.

ONE DAY WORKSHOP ON SOFT SKILLS, ORGANISED BY IQAC, GDC, ETURUNAGARAM ON 30.03.2019.