

## DEPARTMENT OF ZOOLOGY

### ACTIVITIES OF THE DEPARTMENT -2016-2017

#### Zoology Association

S.No	Date	Event	Designation	Funded By
1.	27.07.2016	Inauguration “Aquaculture-potential tool for the future scenario”	Dr. V. Ramasubramaniam, Associate Professor, Unit of Aquaculture Biotechnology, Bharathiar University	Autonomo us fund
2.	22.08.2016	Guest lecture on “Marine Bioresources-Status and Constaints”	Dr. P. Santhanam, Assistant Professor, Marine Planktology, Aquaculture Laboratory, Bharathidasan University	DBT star college scheme
3.	13.01.2017	Guest lecture on “Mining the Genome”	Dr. Senthil Kumar, Professor, Department of Biotechnology, Mizoram Central University, Aizawl	DBT star college scheme
4.	02.02.2017	Guest Lecture on “Research with Medicinal plants for cancer therapy”	Dr. Shanthi, R, Women Scientist DST, Avinashilingam University, Coimbatore	Autonomo us fund

#### Eco club

S.No.	Date	Event	Designation	Funded By/Participants
1	09.07.2016	Inauguration Lecture on “Trees, Wildlife and Devotion	Mr. Karunamoorthy, Forest Range Officer, Coimbatore Division	Autonomous fund
2	16.08.2016	World elephant Day- Rally- “Focusing on Elephant Conservation”	Organized by Wildlife and Nature Conservation Trust in Victoria Hall, Coimbatore	PG and Research Scholars ,
3	19.08.2016	Lecture on “Urban Life- status and	Dr. Mahendiran, M, Scientist, Division of	DBT star college scheme

		conservation of wetland birds”	Wetland Ecology, SACON	
4	04.10.16 to 05.10.16	Student volunteer for the XIII photographic exhibition on wildlife and nature	Organized by OSA (NGO) at Tamilnadu Agricultural University	12 PG students
5	07.10.2016	Awareness Programme on “Ozone depletion”	Kallangal Govt. Hr. Sec School	III UG

### Workshops

S.No	Date	Event	Resource person	Participants
1	07.08.2016	Environmental Biology -Analysis of Water and Waste Water	Dr. Shiny Joseph, Alpha labs and Technologies	II UG-39 students
2	25.01.2017	Statistics with SPSS	Dr. T. Sampath Kumar, Assistant Professor, Department of Economics, Government Arts College, Coimbatore	III UG and II PG 77 participants
3	07.02.2017	Training Programme in silk reeling	Mr. Venkatapathy, District Sericulture Unit, Coimbatore	I UG 37 students

### Wildlife week – 2016 – Celebrations

S.No	Date	Competitions organized	Participants	Funded By
1	05.10.2016	Facial painting, Rangoli, Just a minute	46 participants from 4 colleges	DBT star college scheme

### Symposium

S.No	Date	Event	Topic	Resource person	Funded By
1	29.9.2016	Symposium on “Preservation and	“Status and Conservation	Dr. Sankar Kalyanasundaram, Director, SACON	Under Autonomous grant

		Sustainable management of Biodiversity”	issues of tigers in India”		
			“Biodiversity and Butterflies - why should we conserve them”	Dr. P.R Arun, Principle Scientist, SACON	
			“Changing patterns of Biodiversity in Western Ghats”	Dr. Pramod, Principle Scientist, SACON	

### Lecture Workshop Programme

S.No	Date	Event	Resource person	Fund
1	13.10.2016	Biodiversity of the Gulf of Mannar	1. Mr. S. Ramasubramanian, IFS, District forest officer, Coimbatore	Under DBT Star college scheme
		Elephant distribution and animal conflicts	2. Mr. Arumugam, Biologist, Annamalai, Tiger Reserve, Pollachi	
		Importance of animals in eco system	3. Mr. C. Badrasamy, Retal DFO, Nilgiris division	

### Hands of training

S.No	Date	Event	Venue	Participants
1	24.11.2016 to 29.11.2016	Hands on training in Molecular techniques	Centre for Bioscience and Nanoscience Research Pvt, Ltd, Coimbatore	39 III UG

### Preparation of PG Laboratory manuals

Practical I	Dr. G. Chitra
Practical II	Mrs. B. Karpagam
Practical III	Mrs. Sajani Jose

Practical IV	Mrs. B. Karpagam, Dr. R. Dhivya, Dr. J. Roopavathy
--------------	---

#### Extension activities

S.No	Date	Event	Venue	Participants
1	03.08.2016	Blood grouping and haemoglobin test. Awareness programme on Health, Hygiene and Nutrition	Kangayampalayam village	125 people
2	23.08.2016 to 02.09.2016	Haemoglobin test for staff and students	Nirmala college for women	98

#### Harvest of Vermicompost

S.No.	Date	Quantity	Period
1	25.09.2016 - 18.10.2016	470 kgs	I harvest
2	24.11.2016 - 16.12.2016	515 kgs	II harvest
3	15.02.2017 -27.02.2017	437 kgs	III harvest

#### Hospital Visit

S.No	Date	Event	Year
1	03.02.2017	Ayurveda Medical Research Laboratory, Coimbatore	III UG- 39 students

#### Field Visit

S.No	Date	Event	Year
1	01.09.16- 04.09.16	Educational tour to Mangalore, Fisheries College, Udupi, St. Mary's Island	II UG and II PG (40+29) students
2	06.09.16	Visit to Nilgiris Dairy Unit and Trout farm, Avalanche, Ooty	I and II PG (58) students
3	24.09.16	Visit to Sericulture Rearing unit, Madampatti and District sericulture unit, Gandhipuram, Coimbatore	I UG AND I PG (37 + 30) students
4	09.02.16	Institutional visit to Department of Biotechnology, Karpagam University	III UG + II PG (39+ 29) students
5	16.02.17	Visit to Malampuzha, aquaculture unit and snake park	I and II UG (37+39) students

### Student Placement

S.No.	Students Placed	Company
1	Sayona Ann Baldwin	Senthil Public School, Dharmapuri
2	Kowsalya, G	Senthil Public School, Dharmapuri
3	Anjali Narayanan	Senthil Public School, Dharmapuri
4	Sharlin, K	Senthil Public School, Dharmapuri
5	Kiran, A	Senthil Public School, Dharmapuri
6	Kiruthiga, M	Senthil Public School, Dharmapuri

### Student Welfare

S.No.	Date	Benefactor	No. of Students	Amount in Rs.
1	21.03.2017	Dr. Sarojini Endowment Prize	1	440
2	21.03.2017	Jegannathan Memorial Prize	6	7223
3	21.03.2017	Fr. Carmel Irudayam Prize	1	723
4	21.03.2017	V.A Arulraj Prize	1	500
5	21.03.2017	Gems of Nirmala	1	540
6	24.01.2017	Good Samaritan Trust	20	22680

7	03.09.2016	Vermicompost sale Fund	1	1400
8	27.01.2017	Department fund	2	9000
9	09.09.2016	Education fund (Mrs. Theresa Susheela, Mrs. Annie Crystal, J.,Dr. Miss. Agnes., Miss. Philominammal)	4	4000

**ii) Certificate course in Vermiculture:**

- ★ 30 Hrs programme for I year Postgraduate students

**iii) Career oriented programme in vermitechology (UGC Funded)**

- ★ Certificate course for I UG
- ★ Diploma course for II UG
- ★ Advanced diploma for III UG

**M. PHIL REGISTERED**

S.No.	Name of Research Scholars	FT/PT	Name of the Guide	Date of Registration	Specialization	Date of Completion
1	M.V. Nimmy	FT	Dr. Pawlin Vasanthi Joseph	01.11.16	Pollution biology	In progress

**PH.D REGISTERED**

S.No.	Name of Research Scholar	FT/PT	Name of the Guide	Date of Registration	Specialization	Date of Completion
1	Deepthi Kurian	PT	Dr. Pawlin Vasanthi Joseph	01.01.16	Pollution biology	In progress

**STUDENT PAPER PRESENTATIONS (2016-17)**

<b>Name</b>	<b>Date</b>	<b>Name of seminar/ conference/</b>	<b>Paper presented</b>	<b>Organized by</b>	<b>Level</b>
Jansi.A	18.8.16- 19.8.16	Indigenous medicinal plants and their therapeutic values	Enhancement of <i>Trichoderma indicum</i> leaf dietary effects on biochemical parameters of <i>oreochromis mossambicus</i>	Department of Life Sciences Karpagam University, Coimbatore	National Conference
Jansi.A	05.10.16	Exploring new frontiers in aquatic sciences	Immunomodulatory effects of <i>Clitoria ternata</i> leaf extract on <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i>	Department of Zoology Kongunadu Arts and Science College	National Conference
Jansi.A	20.10.16	Ecowaste management and Nanobiology	<i>Mangifera indica</i> kernel enhances the growth and biochemical profile on <i>Oreochromis mossambicus</i>	Department of Zoology, Sri GVG Visalakshi college for women, Udumalpet	National seminar
Amita Paul	20.10.16	Ecowaste management and Nanobiology	NPK ratio of paper waste degradation through vermicomposting in an institutional setup	Department of Zoology, Sri GVG Visalakshi college for women, Udumalpet	National seminar
Jansi.A	3.01.17- 7.01.17	Indian science congress	Dietary supplementation of <i>Melia dubia</i> leaf on Haemato-Immune response of <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i>	Indian science congress Association	National conference
P.Nithya	3.01.17- 7.01.17	Indian science congress	Ecology, observation on the Zooplankton diversity at Chinna Muttom harbor.	Indian science congress Association	National conference

**STAFF PAPER PRESENTATION (2016-17)**

<b>Name</b>	<b>Date</b>	<b>Name of seminar/ conference</b>	<b>Paper presented</b>	<b>Organized by</b>	<b>Level</b>
Mrs. Pawlin Vasanthi Joseph	29.07.16	ICHR Environmental History	Vaccination in post-independence India	Department of History, Nirmala College for Women, Coimbatore	National Seminar

Dr. Sr. Mary Fabiola	29.07.16	ICHR Environmental History	Impact of environmental system	Department of History Nirmala College for Women, Coimbatore	National Seminar
	30.08.16 – 31.08.16	Exploring microbes -2020	Role of gastrointestinal bacteria, Lactobacillus in bioremediation of heavy metals	Department of Microbiology Karpagam University, Coimbatore	National conference
Dr. Rosaline Mary	29.07.16	ICHR Environmental History	Significance of ecotourism for balancing ecosystem	Department of History Nirmala College for Women, Coimbatore	National Seminar
	18.8.16-19.8.16	Indigenous medicinal plants and their therapeutic values	Enhancement of <i>Trichoderma indicum</i> leaf dietary effects on biochemical parameters of <i>oreochromis mossambicus</i>	Karpagam University, Coimbatore	National Conference
	20.10.16	Ecowaste management and Nanobiology	<i>Mangifera indica</i> kernel enhances the growth and biochemical profile on <i>Oreochromis mossambicus</i>	Sri G.V.G Visalakshi college for women	UGC national seminar
Dr. B. Dhanalakshmi	29.07.16	ICHR Environmental History	Wetlands of Coimbatore city- its past and current scenario	Department of History Nirmala College for Women, Coimbatore	National Seminar
Dr. G. Chitra	29.07.16	ICHR Environmental History	Impact of idol immersion on water quality and aesthetic appearance	Department of History Nirmala College for Women, Coimbatore	National Seminar



Mrs. Sajani Jose	29.07.16	ICHR Environmental History	Impact of Tourism on environment	Department of History Nirmala College for Women, Coimbatore	National Seminar
	18.8.16- 19.8.16	Indigenous medicinal plants and their therapeutic values	Phytochemical and microbial analysis of the leaf extract of <i>Cinnamomum tamala</i>	Karpagam University, Coimbatore	National Conference

#### STAFF PAPER PUBLICATION (2016-17)

NAME OF THE FACULTY	MONTH	TOPIC	JOURNAL	IMPACT FACTOR
Dr. Pawlin Vasanthi Joseph	Oct'2016	Study of haematological changes and accumulation of cadmium chloride in the vital organs of the fresh water fish <i>Labeo rohita</i> .	<i>International journal of advanced science and research</i> . 1(10): 30-34. ISSN : 2455-4227 <b>EBSCO, Google Scholar SCRIBD, DOAJ</b>	5.12
	Oct'2016	Organotoxicity of cadmium chloride on the freshwater fish <i>Labeo rohita</i> .	<i>European journal of Pharamacetical and Medical Research</i> . 3(11): 435-439 ISSN:2394-3211 <b>Google Scholar, SOCOLAR, Indian Science Publication</b>	3.6
Dr. Sr. Mary Fabiola	Oct'2016	Insecticidal activity of <i>Oldenlandia corymbosa (L.)</i> on the larvae and pupae of <i>Anopheles stephensi (L.)</i>	<i>International Journal of Multidisciplinary Research and Modern Education</i> .2(2): 299-302 <b>Scopus ID; Thomson Reuters Researcher; Orcid ID</b>	3.015

Dr. Rosaline Mary	Aug'2016	Comparative study of the physico-chemical characteristics of vermicompost generated by <i>Eisenia foetida</i> , <i>Eudrilus eugeniae</i> and <i>Perionyx excavatus</i> and their effect on the growth of a vegetative crop <i>Pisum sativum</i> .	<i>International Journal for Research in Biotechnology and Microbiological Engineering</i> . 1(2):1-6, ISSN: 2455-7951	0.8
	Aug'2016	Vegetative crop <i>Pisum sativum</i> medicinal plant products controlling the rice weevil <i>Sitophilus oryzae</i> (Curculionidae: Coleopteran)	<i>International Journal for Research in Biotechnology and Microbiological Engineering</i> . 1(2):7-14 ISSN: 2455-7951	0.8
Dr. B. Dhanalakshmi	Mar'2016	Bioremediation of shrimp ( <i>Litopenaeus vannamei</i> ) cultured effluent using copepod ( <i>Oithonarigida</i> ) and microalgae ( <i>Picochlorum oculatam</i> and <i>Amphora sp.</i> )—An integrated approach	<i>Desalination and Water Treatment</i> . Pp:1-10 ISSN: 19443994 <b>EBSCO, Elsevier, Thomson Reuters, SCI</b>	1.272
	June' 2016	Piscine diversity of Coimbatore wetlands, Tamil Nadu India	<i>International Journal of Fisheries and aquatic studies</i> . 4(4):280-285. ISSN: 2394-0506 <b>Thomson Reuters; ENVIS, Google Scholar, Innospace, Index Copernicus, National library of Medicine</b>	5.69
	Aug' 2016	Water quality characteristic of Vembanoor wetland, Kanyakumari District, Tamil Nadu, India	<i>International Journal of Current Microbiology and Applied Sciences</i> . 5(8):852-861. ISSN:2319-7692 <b>I-seek, Search Engine; index Copernicus, ICI, Google Scholar, Search Engine Labs</b>	2.937
	July'2016	Effect of green macroalgae <i>Ulva fasciata</i> supplemented diet on biochemical composition in freshwater fish <i>Labeo rohita</i> (Hamilton).	<i>International journal of Current Research</i> . 8(7):33831-33835. ISSN: 0975-833X <b>Index Copernicus, Innospace, Thomson Reuters, NCBI</b>	6.226

	July'2016	Evaluation of suitability of waste water grown microalgae ( <i>Picochlorum maculatum</i> ) and copepode <i>Oithona rigida</i> as live feed for white leg shrimp <i>Litopenaeus vannamei</i> post larvae	<i>Aquaculture international</i> . 25(1):293-411 ISSN: 0967-6120 <b>Springer</b>	1.15
Dr. B. Dhanalakshmi	Aug'2016	Antibacterial activity of methanol extracts from selected seaweed of south east coast of India	<i>International Journal of Applied Research</i> . 2(9): 714-718. ISSN : 2394-7500 <b>Academic Resources; Indian Science, Libraries Directory Google Scholar, Proquest, Index Copernicus</b>	5.2
	Jan'2017	Biochemical alterations induced by short and long term exposure of chromium sulphate on the freshwater fish <i>Cirrhinus mirgala</i> (Ham.)	<i>International Journal of applied biology &amp; Pharmaceutical Technology</i> . 8(1)49-56 ISSN :0976-4550 <b>Biology Browser-Thomson Reuter E-Journals.org; Google Scholar</b>	2.943
	Jan'2017	Toxicological evaluation of heavy metals in tissues of fresh water fish <i>Oreochromis niloticus</i> collected from lakes of Coimbatore district, Tamilnadu, India	<i>International Research Journal of Pharmacy</i> . 8(1):41-45. ISSN:2230-8407 <b>Indexed in ELSEVIER</b>	0.751
	Jan'2017	Assessment of Theroor wetland, water quality Kanyakumari district, Tamilnadu, india.	<i>International Journal of Advanced Research</i> . 4 (11):1325-1330. ISSN 2320-5407 <b>CrossRef and Google Scholar</b>	6.118
	Jan'2017	Ecological study of phytoplankton from Chinna mutton fishing harbor, South east coast of India.	<i>Environemtal monitoring and Assessment</i> . ISSN: 0167-6369 <b>Springer</b>	1.633

Mrs. Sajani Jose	Aug'2016	Antibacterial property of methanolic extract <i>Gliricidia sepium</i> against some human pathogens	<i>International Journal of Advanced Science and Research</i> . 1(9):16-18 ISSN: 2455-4227, <b>Google scholar, Copernicus, EBSCO, DOAJ, SCRIBID</b>	5.12
Mrs. B. Karpagam	Aug'2016	Phytochemical Screening and antibacterial evaluation of the aqueous extracts of <i>Hibiscus rosa-sinensis</i> ' leaves against <i>Aeromonas Hydrophila</i> .	<i>International Journal of Advanced Science and Research</i> . 1(8): 21-23. ISSN: 2455-4227. <b>Google Scholar, Copernicus, EBSCO, DOAJ, SCRIBID</b>	5.12
Dr. R. Dhivya	Oct'2016	Phytochemical Screening and analysis of active secondary metabolites present in the ethanolic extract of <i>Calotropis gigantea</i> leaves using GC-MS technique.	<i>World journal of Pharmacy and Pharmaceutical Sciences</i> . 5(10): 1510-1523. ISSN: 2278-4357. <b>Indexed in Google Scholar, Copernicus</b>	6.647
Dr. J. Roopavathy	Sep'2016	Studies on the toxicity of Methyl Parathion on fresh water fish <i>Oreochromis mossambicus</i>	<i>International journal of Current Research</i> . 8(9): 39236-39240. ISSN No: 0975-833x; <b>Index: Copernicus</b>	6.226

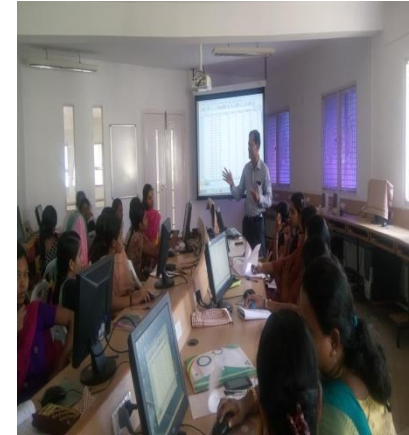
**GUEST LECTURE - “Mining the genome” Dr Senthil Kumar, Associate Prof, Mizoram Central University, Aizawl**



**Workshop in waste water analysis – DBT sponsored – Alpha Labs and Technologies, Coimbatore**



**WORKSHOP - Statistics with SPSS - DBT sponsored – Dr T Sampathkumar, Government Arts college**



**Blood Grouping and Haemoglobin testing at Kangayampalayam village for Public and schoolchildren**



**Rally for Elephant conservation in collaboration with Wildlife Nature Conservation Trust and District Collectorate**



**Field trip to District Sericulture unit and Mulberry cultivation, Coimbatore**



**Symposium on Preservation and sustainable management of Biodiversity – UGC sponsored**



**Field trip to Nilgiris Dairy unit and Trout farm, Avalanche**





**WILD LIFE WEEK – 2016 CELEBRATIONS – Rangoli, Facial painting and Just a minute competitions**



**Video conferencing – Noble Prize series lecture – organized by DBT, Government of India**



**Work at the vermicompost unit – collection and sieving**



**Zoology Association Guest Lectures**

