



Name: Dr. Mrs. D. Leelavathi

Qualification: M.Sc., Ph.D

Designation: Assistant Professor

Years of Experience: UG: 14 PG: 14

Previous Experience: UG: 3 PG: 3

Area of Specialization: (Genetics,  
Ethology)

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YRC Programme Officer – 2016 to 2018

### MEMBERSHIP

S.No.	Details	State/National/International
1	Member In Science Forum	State
2.	Editorial Board Member in Advances of Bioscience and Bio Engineering (ABB) Science publishing group, New York NY – 10020USA.	International

### RESEARCH GUIDANCE

Ph.D Guiding	4 Students
M.Phil Awarded	1 Student

### WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Ethiraj College for women	State	Basic Techniques in Biotechnology	9 & 10 Jan 2017
2	Ethiraj College for women	State	Workshop on Academics and Research	1 <sup>st</sup> Feb 2017
3	Ethiraj College for women	State	Effective Teaching and Research Skill Development	1 <sup>st</sup> March 2017
4	Ethiraj College for women & East West Trans Disciplinary Research Institute	State	Molecular Techniques	7 <sup>th</sup> & 8 <sup>th</sup> Aug 2017

5	Ethiraj College for women	State	Women empowerment intellectual property rights & research	01/03/2018
6	CENR – SRM	State	Technical workshop on cytogenetic assay (MN & COMET) Including animal handling and ethical guidance	6 <sup>th</sup> and 7 <sup>th</sup> /09/2018
7	Ethiraj College for Women	National	Aquaculture practices – A Solution for food and Nutrition security	9 & 10 Jan 2020
8	Nesamony Memorial Christian College & St. Xaviers College	MOOC	Management of Environment and its Resources	19 <sup>th</sup> May to 1 <sup>st</sup> June 2020

#### CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated/Presented	Title	Date(s)
1	Ethiraj College for Women Chennai	International Conference	Organizing committee member	Biodiversity- Strategies for Conservation and Sustainable Utilization	1 <sup>st</sup> & 2 of February 2018
2	Ethiraj College for Women Chennai & Applied Zoologist Research Association (AZRA), Bhubaneswar & ZSI	International Conference	Organizing committee member	Recent Advances in Life Science	11 <sup>th</sup> to 13 <sup>th</sup> Feb 2016
3	Quaid-e-millath-College	International conference	presented	Behavioral Department of Macaca Silenus	30 <sup>th</sup> & 31 <sup>st</sup> January
4	Vellore Institute of technology	International Conference	presented	Identification of drug binding sites and Motifs of multi drug resistance protein biofilm of staphylococcus aureus using insilico techniques	4 <sup>th</sup> & 5 <sup>th</sup> July

5	Bannari Amman Institute of Technology	International Conference	Presented	Identification of Mutated amino acids, motifs and domains involved in Leptin(Lep) Protein Using Insilico Protocols	30 <sup>th</sup> & 31 <sup>st</sup> July
6	IQAC, Annamalai University, 17 <sup>th</sup> -19 <sup>th</sup> October 2022( <b>Received Best Paper Award</b> )	National	Presented	Hepatocellular carcinoma-associated analysis of orthosteric and allosteric peptide positions in Piccolo persynaptic cytomatrix protein leveraging in-silico protocols.	17 <sup>th</sup> - 19 <sup>th</sup> October 2022

### SEMINARS

S.no.	Organized by	State/national/international	Topic	Date(s)
1	Dr. MGR Fisheries college and Research Institute, Ponneri	State	Advances in Aquatic Animal Health Management	27 <sup>th</sup> July 2020
2	Ethiraj College for Women PG & Research Department of Zoology	National (organizing Committee Member)	Recent Advances in Biodiversity Conservation	7 <sup>th</sup> Feb 2020
3.	Brunel Business School. Brunel University, UK	International	Innovative and Research intensive teaching in Higher Education – A Global perspective	4 <sup>th</sup> Aug 2018
4	Ethiraj College for Women PG & Research Department of Zoology	National	From potential for excellence to excellence in higher educational institutions-	18 <sup>th</sup> 19 <sup>th</sup> July 2016S

### CERTIFICATE COURSE INCHARGE

S.no.	Offered by	Topic	Duration
1	zoology	Bioinformatics	30 HRS(4 <sup>TH</sup> – 19 <sup>TH</sup> DEC 2021)

### JOURNAL PUBLICATIONS

S.NO.	JOURNAL NAME	UGC /SCI/SCIE/ WOS	ISBN / ISSN NUMBER	TITLE	DATE OF PUBLICATION / DOI
1	International Journal of Novel Trends in Pharmaceutical Sciences	-	2277 - 2782	Drug Designing and Docking studies on PCOS and Hypothyroidism using Cheminformatics tools and database	August 2016

2	International Journal of Novel Trends in Pharmaceutical Sciences	-	2277 - 2782	Molecular Mechanism and 3D structure validation studies on PCO and Hypothyroidism (SHBG) gene using Insilico protocols	April 2016
3	The International journal of analytical and experimental modal analysis”	WOS	0886-9367	Identification of functional domain and motifs present in the multidrug resistance protein Biofilm (icaR) in Staphylococcus aureus pathogen”	February 2020
4	The International journal of analytical and experimental modal analysis	WOS	0886-9367	Identifying the mutational effects of Human Leptin protein in the coiled- coil region”	February 2020
5	Proteus	WOS	0889-6348	Prediction of the mutated site of CHRNA5- Cholinergic Receptor Nicotinic Alpha 5 responsible for lung cancer using bioinformatics tools	Nov 2020
6	International Journal of Multidisciplinary Educational Research	WOS	2277-7881	HTH (HELIX –TURN – HELIX) MOTIF AND 3D Structure prediction and visualization using insilico techniques”	July 2021
7	International Journal of Multidisciplinary Educational Research	WOS	2277-7881	3D Structure comparison and sequence profiling studies on lep and lepr obesity proteins	July 2021
8	International Journal of Research and Analytical Reviews	UGC	2349-5138	Evolutionary antiquity of the wanderoo macaque ( <i>Macaca Silenus</i> ) an endangere species of Western Ghats	Sep 2021
9	Journal of Emerging Technologies and Innovative Research	UGC	63975	Department Inquiry of Lion tailed macaque <i>Silenus</i> in captive domain and in breeding enclosure	Oct 2021
10	Research Journal of Agricultural Sciences	UGC	13(5): 1449 – 1453	Plant Derived Compound – Luteolin Promising Role against SARS – CoV-2 Protein.	Oct -2022

11	International Journal of Pharmaceutical Investigation	SCOPUS and WOS	12(4):418 – 422	In silico Toxicity on Novel Antiobesity Drug Using Cheminformatics	2022
12	Research Journal of Agricultural Sciences	UGC	13 (4): 1244 – 1247	Delivery of Novel Anti-Microbial Chemical Using In silico Chemical Repurposing techniques	Jul-Aug 2022
13	Research Journal of Agricultural Sciences	UGC	13 (4) - 1096 - 1100	Microarray Studies Reveal Pomc and IL-6 as Biomarker Genes Associated with Hyperprolactinemia-Induced Male Infertility Authors	20 <sup>th</sup> July 2022
14	Research Journal of Agricultural Sciences	UGC	13 (4) - 1196 - 1200	Protein Profiling and 3d Structure Prediction Studies on Mutated HCC-Associated Catenin Beta-1 Gene.	

#### FDP/STTP

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Ethiraj College for Women Department of Zoology	National-FDP	A perspective of Emerging Advances in Life Sciences	27 – 29 July 2020

#### WEBINARS [National/International]

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Mary Madha College	National	Journey of <i>C.elegans</i> , Trends in Biotechnology	13/8/2021
2	Sir Theagaraya College	National	Recent advances in transgenic animals	30/7/2021
3	International society of waste management Air and Water (ISWMAW), India	International	Environmental Restoration and Circular Economy	5 <sup>th</sup> & 12 <sup>th</sup> June 2021
4	Tamil Nadu Dr. J. Jayalalitha Fisheries University Ponneri	State	Advances in Aquatic Animal Health Management	27/02020

5	Institute for Ocean management Anna University	State	Digital interactive series on World Environment day	2 <sup>nd</sup> to 5 <sup>th</sup> June 2020
6	Jayaraj Annappaikiam College	National	Manifest your dream success	15 June 2020
7	Sathyabama Institute of science and technology	State	Five Day skill development Webinar on Ornamental fish culture and breeding	15 <sup>th</sup> to 19 <sup>th</sup> June 2020
8	DDU Gorakhpur University	International	Pandemic Era of Covid – 19: Where we Stand? Where to Go?	9 <sup>th</sup> to 10 <sup>th</sup> June 2020
9	Rajah Serfoji Government College	International	Biological Sciences	20 <sup>th</sup> to 22 <sup>nd</sup> June 2020

**BOOK CHAPTER:**

Study on enhancement of protease yields in naturally isolated fungi *Aspergillus Niger* Dr,V.Mathivanan and Dr.D.Leelavathi,- Emerging trends in Science, Social science, Engineering and Management – Amultidisciplinary Approach Edited By Dr. Mohammed Abdul Raffey, Red Shine Publication, London, UK, ISBN :978-1-387-67678-4, DIP: 18.10.138757678X, DIO: 10.25215/138757678X,

**Others: 1. AWARDS:** Recipient of AKS Global Teachers

2. A Day with Snake - interactive programme held from 20 – 21 /4/2019 at Chennai snake park