

Curriculum Vitae



Dr. L. SHAKILA, M.Sc., Ph.D.,

Assistant Professor
PG and Research Department of Zoology
Ethiraj College for Women
Chennai, Tamil Nadu, India

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Residential Address

16, Perumal Reddy Street,
Egmore, Chennai, TamilNadu, India.
Pin Code - 600 008

Professional Experience - 2007 to till date

Years of Experience: UG: 15 PG: 15

Assistant Professor

PG and Research Department of Zoology
Ethiraj College for Women
Chennai

Subject handled Both Theory and Practicals for UG and PG:

Invertebrata, Chordata, Biochemistry, Cell Biology, Physiology, Embryology, Evolution, Medical Laboratory Technical, Animal Physiology, Research Methodology, Fishery biology

2001 to 2007

Instructional Designer / E-Teacher in Biology – Content Developer in Aban Informatics Pvt. Ltd., Chennai, which runs a comprehensive website - www.classontheWeb.com- which caters to the overall educational needs of students of CBSE, Andhra board, Matriculation, State and ICSE boards.

Job profile :

Headed a team size of 25 by providing the following expertise. Developing content for the website. Developing concepts into animations. Editing contents related to all subjects. Quality checking of contents and animations. Creative writing. Creating storyboard, Evaluating the creative documents submitted by registered members of the website. Updating the daily features on the home pages of the website. Routine checking of mails and sending prompt replies. Maintenance of files and updating records.

2000 –2001

Lecturer in Zoology

Indo American College, Cheyyar.
Subjects Handled - Microbiology, Biochemistry and Entomology.

Academic Qualification

Degree	University	Year	Class
Ph.D. (Zoology)	Madras University	1995 – 99	First
M.Sc. (Zoology)	Madras University	1993 – 95	First
B.Sc. (Zoology)	Madras University	1990 – 93	First

Field of Research - Toxicology

Title of the Thesis

A study on the effect of cypermethrin a pyrethroid compound on *Cavia porcellus*.

Research areas

Bio-Chemical analysis, Enzyme analysis, Haematology, Histopathology and Statistical Analysis.

Awards

- Received **Wonderful Outstanding Women** Award for valuable contribution to the society in the field of Education on 08.3.2021 - International Women's Day from Way Foundation, Registered with World International Organisation Committee, World United Nations, BRIT QUALIS, London -UK.
- Received **Distinguished Professor Award 2021**, for the achievements in the field of Zoology on October 25, 2021, from the Institute of Researchers, Wayanad, Kerela, India. The Research Unit of ISPI, registered with Ministry of MSME, Govt. of India.
- **Facilitator Award** by College for Leadership and Human Resource Development. AIMS insight, The HRD group, Valencia Circle, Mangalore – 575 002, Karnataka, India.
- **Best Paper Presentation** in the National Conference on Biological and Biotechnological remedies to environmental pollution.
- Selected as a Young scientist for the 19th edition of **Who's Who in the World**, Marquis Who's Who Publications, 121 Ahalon road, New Providence, N J 07974 U.S.A.
- Name and research work published in the **Dictionary of International Biography**, International Biographical Centre, Cambridge, 2000 Outstanding Intellectuals of the 21st Century, Publication: 2004. CB2 3QP, England.

Membership

- Life Member in The Indian Science Congress Association, 14, Dr. Biresh Guha Street, Kolkata -17, India.
- Life Member in Indian Academy of Environmental Sciences (IAES) Haridwar, India.
- Member of Zoological Society of India, Hill view compound, Rampur, Gaya. India.
- Life member in Institute of Researchers, Wayanad, Kerela, India.

Editorial Board Membership

- Editorial Board Member in VIT Press International Journal of Zoology Research (VITR -IJZR) <http://www.vitpress.com/journals/VITP-IJZR>, Web - www.vitpress.com/journals/VITP-IJASR

- **Doctoral Committee member**

Pachiyappa's College, New College, Presidency College., etc.

Scrutiny Committee member in Women's Christian College, Chennai

Guideship Details

Research Field

Toxicology – Zoology

- **M. Phil Guideship:** Recognition as a supervisor for guiding students for M.Phil degree course in Zoology. Ref No. D.2u/M.Phil/ Guide/2014/1649. Dated on 10 July 2014.
- **Ph. D Guideship:** Recognition as a supervisor to guide PhD students. Ref No. D2/Ph.D Guide Recogn./2015/789. Dated on 20 April 2016.

External Examiner

Madras Christian College, Women's Christian College, Meenakshi College, Pachiyappa's College etc.

- **Resource Person**
CSI College of Engineering, Affiliated with Anna University, Chennai, Approved by AICTE, New Delhi. Ketti Valley, Ooty, The Nilgiris. Topic " Perspective on Sustainable Bio – Conservation – A role on Environmental Engineers". In June 2021.
- Invited Lecture organized by Marian Star Center, PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi Sponsored by the Department of Biotechnology, Ministry of Science and Technology. Govt. of India, New Delhi on 8.09.2022. Topic " Wonders of the Microbial World".

Faculty Development Programme:

Orientation

- Participated in the Orientation Course (General) – Batch 86 held from 01.11.2008 to 28.11.2008 and obtained 'A' grade from University Grant Commission, Academic Staff College, University of Madras, UGC sponsored Orientation Course.

Refresher

- Participated in the Refresher Course in Life Science – Batch VIII held from 04.02.2010 to 24.02.2010 and obtained 'A' grade from University Grant Commission, Academic Staff College, University of Madras, UGC sponsored Refresher Course.
- Participated in the Refresher Course in Life Science – Batch XI held from 01.02.2013 to 21.02.2013 and obtained 'A' grade from University Grant Commission, Academic Staff College, University of Madras, UGC sponsored Refresher Course.
- Participation in the Refresher Course in Life Sciences held from January 21st to February 3rd 2020 and obtained 'A' grade from UGC– HRDC, Pondicherry University, Pondicherry - 14.
- Participation in the online Refresher Course in Life Sciences held from July 07th to July 20th 2022 and obtained 'A' grade from UGC– HRDC, Pondicherry University, Pondicherry - 14.

MOOCs course

- Successfully completed two weeks Faculty Development Programme on “ Managing Online classes and Co-creating MOOCs” From April 20 – May 06, 2020. Govt of India Ministry of Human Resource Development, Teaching Learning Centre, Ramanujan College, the University of Delhi, Sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malaviya, National Mission on Teachers an Teaching
- National Level Faculty Development Programme on MOOCs for Blended Teaching and Learning conducted by Loyola College on 6th and 7th September 2019.
- Undergone a facilitator Certification in Human Resource Development and presented Facilitator Award on 15 th August 2008 by College for and Human Resource Development, AIMS INSIGHT, The HRD group, Mangalore, Karnataka.
- Participated in the Online Faculty Development Programme on “Recent trends in Molecular Biotechnology” organised by the Department of Biochemistry on June 3rd &4th,2020.
- Participated in the three-day online NATIONAL FACULTY DEVELOPMENT PROGRAMME on ‘A Perspective of Emerging Advances in Life Sciences’ organised by the Post Graduate and Research Department of Zoology, Ethiraj College for Women, Chennai from 27- 29 July 2020.
- Participated in the Faculty Development Program on “Research funding and publication” organized by the Post Graduate Department of Journalism and Communication from 26th May 2020 to 28th May 2020.
- Participated in the online FACULTY DEVELOPMENT PROGRAMME on “REJUVENATION OF BODY, MIND AND SOUL” organised by the Department of Physical Education, Ethiraj College for Women from 15th June to 19th June 2020.

Published papers in Indexed Journals						
S.No	Author(s)	Title	Name of Journal	Vol	Page	Year
1	K.Kavitha and L.Shakila	Toxic effects of acephate in <i>Poecilia shenops</i> .	International journal of novel trends in pharmaceutical sciences ISSN:2277-2782	5	1-6	2015
2	Hemalatha.V, Shakila.L and Balaji.M	Molecular modeling and insilico drug docking studies on breast cancer target protein (TNRC9) using cheminformatics software and tools	International Journal of Novel Trends in Pharmaceutical Sciences	5	3	2015
3	Surya Prabha.U, Shakila.L and Balaji.M	Insilico gene expression and protein structure a comparative study on polycystic ovarian syndrome and ovarian cancer in human beings using bioinformatics	International Journal of Novel Trends in Pharmaceutical Sciences	5	74-83	2015
4	L.Shakila and H.Shalini	Insilico gene expression and drug docking studies on human ovarian cancer disease proteins (GPR68, DIRAS3 and DPH1) using bioinformatics software and tools.	International journal of novel trends in pharmaceutical sciences ISSN:2277-2782	5	7-16	2015

5	D.Gayathri and L.Shakila	A preliminary study to investigate the effect of triphenyl phosphahate in the alimentary tract of <i>Catla catla</i>	Journal of Emerging Technologies and Innovative Research.	6	165-174	2019
6	D.Gayathri and L.Shakila	The Histology of gills and muscle of Indian major carp, <i>Catla catla</i> exposed with triphenyl phosphate.	International Journal of Life Sciences Research	7	49-58	2019
7	D.Gayathri and L.Shakila	Studies on the changes in Cholesterol and glucose levels in <i>Catla catla</i> , exposed to triphenyl phosphate (TTP).	Ecology Environment and Conservation Copyright @EM International ISSN 0971-765X	26(2)	820-823	2020
8	Janani Narayanan, L. Shakila and Aarthi Murugavel	Observation of Three Species of Captive Keelbacks (<i>Fowlea piscator</i> , <i>Atretium schistosum</i> , and <i>Amphiesmastolatum</i>) (Natricidae)	IRCF Reptiles and Amphibians conservation and Natural History	27(2)	271-274	2020
9	Aarthi Murugavel, Dr. L. Shakila and Janani Narayanan	Risk Assessment of Dumped Pollutants and their Ecotoxic Effects on Physiochemical Parameters of water in Ayapakkam Lake, Chennai, Tamilnadu, India	Journal of the University of Shangai for Science and Technology	23 (1)	236	2021
10	D.Gayathri and L.Shakila	Stress response of biomolecules (Carbohydrate, Protein, and Lipid profiles) in freshwater major carp <i>Catla catla</i> exposed to Triphenyl phosphate	Ecology, Environment, and Conservation	28(1)	582-587	2022

Presented papers

National Publications

- National Conference – Biological and biotechnological Remedies to Environmental Pollution. *Title of the paper:* The effect of cypermethrin, a pyrethroid insecticide on the guinea pig (*Cavia porcellus*) – An investigation December 3-5 1998 Organised by PG and Research Department of Zoology, Voorhees College. Vellore – Tamil Nadu.
- 17th National Conference of Society for Reproductive Biology and Comparative Endocrinology
Title of the paper: Effects of cypermethrin intoxication in *Cavia porcellus*, A preliminary investigation. Organised by Department of Biochemistry Government Medical College, Surat, January 24-26, 1999.
- Young Scientist Conference on Environmental Health and Food

Title of the paper: Cypermethrin-induced changes in quantitative biochemical parameters in the tissues of *Cavia porcellus*. Organised by PG and Research Department of Zoology Loyola College, Chennai. October 16- 18, 1999

Workshop

- Workshop on Adult Counseling 2011, Organised by Career and Counselling Cell (UGC funded) of Ethiraj College for Women on 15.04. 2011.
- Workshop on Research Collaboration, Consultancy and Parent and Knowledge Management conducted by IQAC on 5th April 2013, Ethiraj College for Women.
- Workshop on Personality Development of Women on 28.03.2012, Center of Women Studies (UGC funded) Ethiraj College for Women.
- Workshop on Rethinking Work Culture of Department of Advanced Zoology and Biotechnology, Ethiraj College for Women, on 12th June 2012.
- State level Workshop on “NAAC Regulations: A Holistic Approach” Organised by: The Internal Quality Assurance Cell. Held on 12th October 2019.

Administrative responsibilities

- Department Association Coordinator
- Coordinator for Faculty Development Programme
- Organizing members for Seminar and Conferences
- Contributed to syllabus framing
- Discipline Coordinator
- Class teacher
- Mentor
- Admission Duty
- Department Contingency in-charge
- Sports in charge
- Department Science fund In-charge
- Department PG practical In-charge
- Certificate Course in charge – Aquarium fishes
- Department library in- charge
- Department Record purchase in charge
- UGC funded - book purchase in charge
- CA exam in charge
- End semester practical In charge
- Star college report preparation in charge
- Department Association FAUNA - 60 in charge
- Academic Audit In charge
- India today report to overall college.
- Staff Secretary 2019
- Overall college report preparation to India today for Science
- June – Nov – Timetable framing

National Symposium

- Participated in the National conference on “Stem Cell Therapy and Regenerative Medicine” organized by the Department of Advanced Zoology and Biotechnology, Meenakshi College for Women, Chennai – 24 on 8th July, 2010.
- Participated in the National Symposium on From Potential for Excellence to Excellence in Higher Educational Institutions organized by the IQAC on 18th and 19th of July 2016.
- Participated in the UGC sponsored National Symposium on “Effective Governance and Brand Building in Higher Educational Institutions” organized by IQAC Ethiraj College for Women on 24th and 25th of February 2014.
- Participated in the National Symposium on From Potential for Excellence in Excellence in Higher Educational Institutions organized by the IQAC, Ethiraj College for Women on 18th and 19th of July 2016.

International Symposium

- Participated in an International Interdisciplinary Symposium on Innovative and Research-Intensive Teaching in Higher Education – A Global Perspective, conducted Business School, Brunel University, UK held 4th August 2018.
 - **Organizing Secretary:**

Organising Secretary in the virtual Webinar “ Design, Development and Production of Vaccines”, PG and Research Department of Zoology, Ethiraj College for Women, Chennai. 29 November 2021.
 - Organising member in a lecture to commemorate “ The International Learn about Butterflies Day” on March 14, 2022.

Organizing Committee:

- Committee member in the workshop on Basic Techniques in Biotechnology held at Ethiraj College for Women, January 9th and 10th 2017.
- Committee member and extending the support during the National Seminar on “Future India – Science and Technology Organised by Department of Advanced Zoology and Biotechnology in Association with Indian Science Congress Association – Chennai Chapter on 27th and 28th February 2019.
- Committee member of the Internal Conference on “Biodiversity – Strategies for Conservation and Sustainable Utilization” held at Ethiraj College for Women, Chennai on 1st and 2nd February 2018.
- Committee member in the International Conference on “Recent Advances in Life Science” by XV Applied Zoologist Research Association (AZRA) International Conference on Recent Advances in Life Science held at Ethiraj College for Women, Chennai during 11th -13th February 2016.

Projects

- Toxicological impacts of Lambda –Cyhalothrin on the aquatic organism *Tilapia mossambica*- A Histopathological study.
- Study of ammonia excretion in relation to body weight in *Sarotherodon mossambicus* and *Cirrhina mrigala*.
- Development of bacterial haemorrhagic septicemia in the fingerlings of *Catla catla* experimentally challenged with the bacterium *Aeromonas hydrophila*.
- Progress of bacterial haemorrhagic septicemia in *Cirrhina mrigala*, experimentally with *Aeromonas hydrophila*.
- Toxic effects of Trichloro acetic acid on *Poecilia latipinna* – A Biochemical and Histopathological study.
- A study on the biochemical analysis of newly formulated fish feed using *Arius maculatus* (Thunberg 1792) as an experimental animal
- In silico gene expression and protein structure – A comparative study on Polycystic Ovarian Syndrome and Ovarian cancer in Human beings using Bioinformatics Protocols
- Molecular modeling and In silico drug docking studies on Breast cancer target protein (TNRC9) using Cheminformatics software and tools.
- Impacts of Carbofuran in the tissues of aquatic organism *Poecilia sphenops*
- Toxic effect of acephate in the tissues of *Poecilia sphenops*.
- Entrepreneurism in ornamental fish culture – Detail study at Kolathur

Webinar

- Participated in the International Webinar on " Covid - 19: "Awareness and Prevention" organised by the Department of Zoology, Quaid-e-Millath Government College for Women (Autonomous), Chennai, Tamilnadu, India on 5th June 2020.
- Participated in the webinar on "Impact Factor, H index and Google Scholar" organized by the PG and Research Department of Commerce, Ethiraj College for Women in collaboration with Wiley and Miles Education on 16th May 2020.
- Participate in the National Webinar entitled "IPR and e- Content Development". Organised by Rajaram College, Kolhapur held on 8th, 9th and 10th of June 2020.
- Participated in the Five days skill development webinar on "Ornamental Fish culture and Breeding" organized by the Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai-600119. Tamil Nadu, India from 15 -19, June 2020.
- Participated in the one-day webinar on "Unique adaptations of marine molluscs" Organized by PG and Research Department of Zoology, Ethiraj College for Women, Chennai on 30 June 2020.
- Participated in the UGC-sponsored Webinar on "Research Ethics" organized by UGC- Human Resource Development Center, Madurai Kamaraj University, Madurai – 625021, on 11th September 2021.

Technical Qualification

Course of study	Institution	Year	Class
Instruction Design	C-DAC (formerly NCST) Centre for development of advanced computing Mumbai- 400 614	2004	First
Computer (Ms-Office, Ms-Dos, d-Base III plus, Lotus, 1-2-3, WordStar,)	Colt computer center, Chennai	1997	First
Management Program in Sales and Marketing	University of Madras	1997	First


Computer knowledge


Working knowledge of Macro Media Flash, Adobe Photoshop, HTML, Paint Shop Pro, Adobe Image editor, Microsoft Word, Power point, Excel, etc.


Web Sources : Academic Identity

Google Scholar: https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=shakila+ethiraj+college&oq=

Vidwan: <https://vidwan.inflibnet.ac.in/profile/285415>

 Orcid Id: 0000-0002-7781-1413

 Google ScholarId: b8SSQ8sAAAAJ

 Researcher Id : GNP-3826-2022

Web of Science Researcher ID: GNP-3826-2022

Other Information

Date of Birth	24. 01.1973
Marital status	Married
Extra-Curricular Activities	Tanjore painting and crafts

I declare that all the information provided above is true to the best of my knowledge.

Place: Chennai

L. SHAKILA