

CURRICULUM VITAE

DR. S. LAKSHMI SUBHA

Assistant Professor,

Department of Biotechnology, Lady Doak College, Madurai

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Academic Qualifications: M.Sc., M.Phil., Ph.D., SET qualified

Ph.D Zoology, Madurai Kamaraj University, 2015-18

M. Phil., Zoology Madurai Kamaraj University 1995-1996

M.Sc., Zoology Madurai Kamaraj University 1993-1995

SET exam Mother Teresa University, Kodaikanal 2017

Ph. D Thesis:

Biogas production by anaerobic co-digestion of pretreated coir pith with cow dung -
a green technology approach

M.Phil., Thesis:

Stale Bread: An inexpensive substrate for production of citric acid by *Aspergillus niger*
in a surface culture process

M.Sc., Thesis title:

Effect of sublethal concentration of plant extracts on the development and growth
index of *Culex tritaeniorhynchus*.

Teaching Experience:

- **U.G. (B.Sc.) level** – From 1996 - till date
- **P.G. (M.Sc.) level** – From 2007 - till date

Administrative & organizational Experience

Member – NSS Programme	- 2007-2009
Member-LSP programme	- 2011 to 2012
Department Secretary	- 2008- 2009
Guest Lecturer in IGNOU	- 2007-2009
Co-ordinator in Entrepreneurship development programme	2012-2014
Member in the Centre for environmental studies	2018- 2020
Co-ordinator in Centre for environmental studies	2024-2025
Handled Certificate programme in Laboratory techniques (CPLT), in IGNOU	

Publications:

- **Lakshmi Subha, S. and Thelma, J. (2011).** Immunomodulatory effects of *sargassum polycystum* on *oreochromis mosambicus* (peters), ASPIRE - In house Journal, Vol.2, pp. 117-121. ISSN No.-2229-4953.
- **Lakshmi Subha, S. Isabel, W. Priscilla, AS. (2017).** Biologically pretreated coir pith as a substrate for Biomethanation in Batch fermentation, International journal of Chem Tech Research, Vol.10(7): 76-78.
- **Lakshmi Subha, S. Isabel, W. Priscilla, AS. (2022) Optimization and enhanced saccharification of coir pith by microwave irradiation using response surface methodology. Uttar pradesh journal of zoology 43(12): 63-71, 2022**

Genbank submission

- GenBank PP556974
- GenBank PP556976
- GenBank KX083347

Projects Guided:

PG Projects 10

UG Projects 7

Online Courses:

- Antimicrobial Stewardship: A Competency-Based Approach – WHO
- Eprotect Respiratory Infections – WHO
- Infection Prevention And Control (Ipc) For Novel Coronavirus (Covid-19) WHO
- Standard Precautions: Hand Hygiene- WHO
- Monkeypox: Introduction- WHO
- Pandemic Influenza Vaccines: National Deployment And Vaccination Plans- WHO
- Severe Acute Respiratory Infection (Sari) Treatment Facility Design – WHO
- Standard Precautions: Waste Management – WHO

Paper presentation:

- **S. Lakshmi Subha and C.K.Chitra prabha** presented a paper on “ Production of Poly-hydroxybutyrate from *Azotobacter chroococcum*” at the International conference on “Global competitiveness in Biology, Chemistry and Environment: for a better tomorrow”, organized by Department of Biochemistry, Rev. Jacob Memorial Christian College, Santhipuram, Ambilikkai. (3rd February 2011).
- **S. Lakshmi Subha, Dr. W. Isabel and Dr. A.S. Priscilla** presented a paper on “**Production of enzyme cocktails for lignocellulose hydrolysis by solid state**

fermentation” at the International Conference on “Converging Biotechnological Innovations for Health, Food and Environmental welfare” held on 1st to 3rd December 2015 in Karunya University, Coimbatore, Tamil Nadu.

- **S. Lakshmi Subha**, Dr. W. Isabel and Dr. A.S. Priscilla presented a paper entitled on “**Enhanced production of biogas using biologically pretreated coir pith as a Substrate in Batch fermentation**” at UGC sponsored National Conference on HBIETC-2017, held on 17th and 18th August, 2017 in A.V.V.M Sri Pushpam College, Poondi, Thanjavur, Tamil Nadu.

Resource Person:

- Resource person in the Hands-on Training – „Techniques in Molecular Biology“ (TMB-2015) Organized by the Department of Zoology, Lady Doak College, Madurai. 2nd – 4th December, 2015.
- Acted as Judge in the SCOPE- Special Project Presentation at District Level conducted at Pandian Nedunchezian Corp.HSS, Madurai. 25th February 2019
- Resource person in summer internship, 2025 “Fish immunological techniques” organized by Department of Biotechnology

Journal Reviewer:

- Journal of agriculture and ecology research international
- International Journal of Biochemistry Research & Review

Preparation of resource materials:

- **Reading materials were prepared** for the newly introduced optional course – Public Health and Hygiene.
- **Lab manual partly prepared – Lab in Plant and Animal Biotechnology**
- **Lab manual partly prepared – Lab in clinical diagnostics**
- **Lab manual in Microbiology**

