

Name : **L. ARUL YESUDOSS**
 Date of Birth : 15.06.1979
 Designation : Assistant Professor
 Department : Zoology
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 Teaching Experience : 20 years



ACADEMIC QUALIFICATIONS:

Course	Name of the Institution	Year of passing	Class
B.Sc. Zoology (Spl. Biotech.)	The American College, Madurai	1999	I
M.Sc. Zoology (Spl. Biotech.)	The American College, Madurai	2001	I
M.Phil. (Zoology)	The American College, Madurai	2003	I
State Eligibility Test	Mother Theresa Women's University, Kodaikanal	2016	-
Ph.D. (Zoology)	Madurai Kamaraj University	Regd. In March 2017	Pursuing

EMPLOYMENT HISTORY

Designation	Department	College/University	Duration
Assistant Professor	Zoology	The American College, Madurai	From 20 November 2025
Assistant Professor	Microbiology and Biotechnology	N.M.S.S.Vellaichamy Nadar College, Madurai	16 June 2017 to 06 December 2023
Assistant Professor & Head	Biochemistry and PG Biotechnology	Sourashtra College, Madurai	08 August 2011 to 06 June 2017
Assistant Professor & Head	Biotechnology	S.P. College of Science and Arts, Madurai	03 August 2005 to 31 July 2011

Specialization in Teaching: Evolution, Cell Biology, Biotechnology, Plant Tissue Culture, Animal Biotechnology, Microbiology, Immunology, Genetic Engineering Bioinformatics.

Specialization in Research: Toxicology, Pharmacognosy

Research Guidance: ➤ PG academic dissertations guided – 6

➤ UG group projects guided - 6 batches (40 students)

Membership in Scientific Bodies: ➤ Life member in Tamil Nadu Science Forum

Certificate course on ICT:

Online Certificate Course on "**DIGITAL TEACHING TECHNIQUES**"
Organized by ICT Academy from 29 June 2020 to 04 July 2020.

RESEARCH EXPERIENCE

- **M.Phil Project (Toxicology) - “Changes in Biochemical Constituents of *Oreochromis mossambicus* (Peters) Exposed to Linear Alkyl Benzene Sulfonate Detergent”,** Under the guidance of Dr.M. Uthaman, Reader, Department of PG Zoology (Spl. Biotech), The American College, Madurai.
- **M.Sc Project: (Environmental Biotechnology) - “Isolation and Characterization of Efficiently DISSOLVED ORGANIC MATTER Biodegrading Microbes from Sewage”,** Under the guidance of Dr. A. Silas Ebenezer, Reader, Department of PG Zoology (Spl. Biotech), The American College, Madurai.
- **B.Sc Project: (Immunology) - “Haemagglutination Titration Assay”.** Under the guidance of Dr. R. Selvaraj Pandian, Professor and Head of the PG & Research Department of zoology, The American College, Madurai.

WORKSHOPS / SEMINARS / COMPETITIONS ORGANIZED

- Organized a webinar on **Cancer Care in the COVID-19 era** at N.M.S.S.V.N College on 28th May 2020.
- Organized **National Seminar on “Bioentrepreneurship”** in NMSSVN College, Madurai on **23rd February 2018.**
- Organized **National Seminar on “Conservation Methods and Biopotential Assessment of Biodiversity”** in Sourashtra College, Madurai on **16th March 2016.**

- Organized **“National Science Day” (An Intercollegiate Competitions)** in Sourashtra College, Madurai in 2011, 2012, 2013, 2014, 2015 & 2016.
- Organized **“State Level Workshop on Advanced Techniques in Biotechnology”** in Department of Biochemistry & Biotechnology, Sourashtra College, Madurai in 2013, 2014, 2015.
- Organized **“BIOWAVES 2006”** – an Intramural Competition in S. P. College of Science and Arts, January 2006.

WORKSHOPS / SEMINARS / CONFERENCES ATTENDED / PARTICIPATED:

- **Faculty Development Programme on "Competent Teachers for Millennial Learners"** Under UGC Autonomy Grants, held at N.M.S. S.V.N College, Madurai on 29 February 2020.
- **Workshop on “Outcome Based Education (OBE)” Under UGC Autonomy Grants**, organized by IQAC, N.M.S.S.V.N College, Madurai, 03 January 2020.
- **National Seminar on “Recent Trends in Sustainable Cultivation of Plantation Crops”** organized by Department of Botany, N.M.S.S.V.N College, Madurai, 27 January 2020.
- **State Level Workshop on Advanced Techniques in Biotechnology**, organized by Department of Biochemistry, Sourashtra College, Madurai, 30 & 31 January 2020.
- **National Conference on “Emerging Trends in Science and Technology – SciTech-19”** organized by Department of Microbiology & Biochemistry, Nadar Sarawathi College of Arts & Science, Theni, 19 March 2019.
- **Faculty Development Programme entitled “Discover the Teacher in You”** organized by **Academic and Administrative Staff Training Cell**, N.M.S.S. Vellaichamy Nadar College, Madurai on 16 March 2019.
- **National Workshop on "Sustainable Agriculture & Forestry for Securing Rural Livelihoods"** organized by the Department of Botany on 18 February 2019.
- Attended **Faculty Development Programme** organized by the IQAC, N.M.S.Semathai Vasan College, Madurai held on **28th July 2018**.
- Attended **Faculty Development Programme** organized by Academic Staff Training Cell, N.M.S.S.V.N. College, Madurai held on **20th March 2018**.

- **National Seminar on “Recent Advances in Biological Science”** organized by Dept. of Biochemistry and Biotechnology, Sourashtra College on **22nd September, 2017.**
- **Faculty Development Programme – One day Faculty Development on “Digital Learning and Quality”** (Under UGC Autonomy Grant) organized by Sourashtra College on **11th March, 2017.**
- **October Summit – 2016 - One Day Conference on “Approaches to Understand Modern Biology through Research”** organized by Aravind Medical Research Foundation, Madurai. October 7, 2016.
- **International Conference on “Energy Green Environment – SciTech-15”** organized by Department of Microbiology & Biochemistry, Nadar Sarawathi College of Arts & Science, Theni, January 2015.
- **UGC- Sponsored “Faculty Development Programme”** organized by Sourashtra College, Madurai, March 2014.
- **National Conference on Biotechnology** organized by The American College, Madurai, December 2013.
- **International Conference on Biotechnology** organized by Sri Kaliswari College, Sivakasi, January 2013.
- **"National Level Workshop on Techniques in Bioactive Metabolites From Marine And Other Bioresources"** Organized by Department of Biotechnology, AMET University, Chennai, Nov 2011.
- **National Workshop on Recent Trends in Life Science, (Science Mela-2011)** Organized by Ananda College, Devakottai, February 2011
- **National Level Seminar on Vistas in Plant and Microbial Biotechnology,** organized by Department of Biotechnology, Sengunthar Arts & Science College, Tiruchengode, February 2010.
- **Workshop on Advanced Biochemical & Molecular Techniques,** organized by the Department of Biochemistry & Biotechnology, Sourashtra College, Madurai, January 2009.
- **Global Warming – Issues and Actions,** organized by Department of Journalism and Science Communication, Madurai Kamaraj University, August 2008.

WEBINARS ORGANISED / PARTICIPATED:

- **Participated in National Webinar on "Basics of Research Methodology & Interdisciplinary research in Biomedicine"** organized by Department of Biotechnology, Nehru Arts and Science College, Coimbatore on 12 and 13 May 2020. (AM)
- **Participated in Webinar on MED TALK ON " COMBATING COVID-19 "** organized by IQAC, Annai Violet Arts and Science College, Chennai on 13 May 2020. (PM)
- **Participated in International Webinar on "What does this gene do? Bioinformatics for function"** organized by Department of Biotechnology, Annai College of Arts and Science, Trichy on 14 May 2020.
- **Participated in Webinar on "Insights on Infectious and Rare Diseases"** organized by Department of Zoology, G.T.N. Arts College, Dindigul on 15 May 2020.
- **Participated in International Webinar on "Biodiversity"** organized by PG Department of Zoology, The American College, Madurai on 22 May 2020. (AM)
- **Participated in Webinar on "Biodiversity"** organized by Eco Club, Mannar Thirumalai Naicker College, Madurai on 22 May 2020. (PM)
- **Participated in International Webinar on "Stem Cell Research - SARS Cov-2"** organized by Department of Biotechnology, Vinayaka Mission's Krubanandha Variyar Engineering College, Salem on 23 May 2020.
- **Organized a Webinar on "Cancer Care in the Covid-19 Era"** through the Department of Microbiology and Biotechnology, N.M.S.S.V.N. College, Madurai on 28 May 2020.
- **Participated in Series of Webinar on "Insights into Emerging Diseases - Diagnosis and Therapeutics"** organized by Department of Zoology, Lady Doak College, Madurai on 18, 19, 26, 27, 28 May & 1 June 2020.
- **Participated in International Virtual Conference on "COVID-19 Recent Updates and Current Advances"** organized by Department of Microbiology, The American College, Madurai on 03 & 04 June 2020.
- **Participated in a Webinar on "Psycho-Social Care during COVID-19"** organized by MS Chellamuthu Institute of Mental Health and Rehabilitation, Madurai with Madurai Kamaraj University Madurai on 04 June 2020.

- **Participated in Webinar on "Biodiversity and its Conservation"** organized by Department of Zoology, Khadir Mohideen College, Adhirampattinam on 05 June 2020. (AM)

PAPERS/ORAL PRESENTATIONS:

- **Presented a Paper on "Changes in Biochemical Constituents of *Oreochromis mossambicus* (Peters) Exposed to Linear Alkyl Benzene Sulfonate Detergent"** in National Workshop on **Recent Trends in Life Science (Science Mela-2011)** organized by Ananda College, Devakottai, from 7th to 9th February 2011.
- **Oral presentation on "BIOREMEDIATION OF AZO DYES USING BACTERIA FROM TEXTILE EFFLUENT"** in **International Conference on "Energy Green Environment – SciTech-15"** organized by Department of Microbiology & Biochemistry, Nadar Sarawathi College of Arts & Science, Theni, January 2015.

PUBLICATION OF PAPERS / REVIEW ARTICLES IN JOURNALS

- **Arul Yesudoss L, Radha PV, Rajesh C (2016) "Bioremediation of Azo Dyes using *Bacillus Aryabhatai* Isolated from Textile Effluent", **European Journal of Molecular Biology and Biochemistry (EJMBB)**, e-ISSN – 2348-2206, 2016 (3):138-142.**
- **R. Shyamala Gowri, P. Meenambigai, P. Prabhavathi, P. Raja Rajeswari and L. Arul Yesudoss (2016), "Probiotics and its Effects on Human Health – A Review", **Intl Journal of Current Microbiology and Applied Sciences**, ISSN: 2319 – 7706, Vol.5, No.4: 1-9.**
- **Arul Yesudoss L, Parameshwari V (2015), "Isolation and Purification of Bacteriocin from Lactic Acid Bacteria", **Journal of Management Science and Humanities (JOMSAH)**, ISSN: 2395-0625, Vol.2, No.2, December 2015: 7-13.**

INVITED LECTURES

- * Guest Lecture on **"Future Prospects in Life Sciences"** Organized by Department of Biochemistry, Yadava College, Madurai on 11 March 2020.
- * Guest Lecture on **"Bacterial Enumeration and Characterization"** in **Summer Training Programme on "MICROBIAL CULTURE TECHNIQUES AND ELECTROPORATION"** Under **DBT-STAR COLLEGE SCHEME** Organized by Department of Zoology, Vivekananda College, Thiruvudagam on 6 July 2022.

CHAPTER IN BOOK:

- Chockaiyan Usha, Saravanan Muthupandian, Balajee Ramachandran, Parameswaran Kiruthika Lakshmi, Sree Gayathri S and Arul Yesudoss L (2024); **Effect of Graphene-Based Nanomaterials in Agri-Biotechnology; Graphene-Based Nanomaterials - Applications in Food, Agriculture and Healthcare.** Edited by Yugal Kishore Mohanta, Kunal Biswas, Saurov Mahanta, and Saravanan Muthupandian. pp71-82. First Edition, CRC Press, Taylor & Francis Group, Boca Raton FL 33431, ISBN: 978-1-032-29236-6 (Florida, USA)