

Dr. M.JAYALAKSHMI PROFILE

NAME: Dr. M.JAYALAKSHMI

QUALIFICATION: M.Sc., M.Phil., Ph.D.,

NO. OF YEARS OF EXPERIENCE: ON PROBATION

AREA OF EXPERTISE: CANCER BIOLOGY, PHYTOCOMPOUNDS, ISOLATION AND CHARACTERISATION OF BIO COMPOUNDS, BIOTECHNIQUES, NANOTECHNOLOGY

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PUBLICATIONS IN PEER REVIEWED IN NATIONAL/INTERNATIONAL JOURNALS

TITLE OF THE PAPER	DATE OF PUBLICATION	NAME OF THE JOURNAL	NATIONAL/ INTERNATIONAL	JOURNAL NUMBER
Phytochemical and Phytotherapeutic properties of <i>Celosia</i> species - A Review.	2017	International journal of pharmacognosy and phytochemical research	INTERNATIONAL	
Betaine Supplementation for various clinical disorders.	2017	Asian journal of Pharmaceutical and clinical Research.	NATIONAL	
Assessment of minerals from shell waste of <i>Penaeus indicus</i> .	2017	International journal of research in Pharmaceutical sciences	NATIONAL	
Biochemical screening of <i>Penaeus vannamei</i> shell waste by liquid chromatography-tandem mass spectrometry. Asian Journal of Chemistry, 2018	2018	Asian Journal of Chemistry	NATIONAL	
Biochemical Screening and Determination of Bioactive Components of commercially cultured Pacific white shrimp <i>Penaeus vannamei</i>	2018	PHARMACOGNOSY RESEARCH	NATIONAL	
Determination of phytocomponents in ethanol extract of <i>Brassica oleracea</i> -using GC-MS Technique	2018	Asian journal of Pharmaceutical and clinical Research.	NATIONAL	

Fabrication of Iron Oxide Nanoparticles Using <i>Annona Squamosa</i> Leaf and Assessment of Its Cytotoxicity Activity against Selective Cancer Cell Lines.	2017	Journal of material science and engineering	INTERNATIONAL	
Phytochemical analysis and invitro antioxidant screening of seagrass <i>Enhalus acoroides</i> .	2017	International journal of research in Pharmaceutical sciences	NATIONAL	
Identification of Bioactive Components in Enhalus acoroides Sea Grass Extract by Gas Chromatography-Mass Spectrometry	2017	Asian journal of Pharmaceutical and clinical Research.	NATIONAL	
Phytocompounds and its Therapeutic Properties of <i>Oroxylum Indicum</i> -A Review.	2018	International journal of research in Pharmaceutical sciences	NATIONAL	
Identification Of Bio-Active Compounds In <i>Cymodocea Serrulata</i> -A Seagrass By Gas Chromatography-Mass Spectroscopy	2018	Asian journal of Pharmaceutical and clinical Research.	NATIONAL	

BOOKS PUBLISHED:

- **Jayalakshmi Muniyappan** and Vanitha Varadharajan “Green synthesis of Silver Nanoparticles and Therapeutic Applications” LAP Lambert Academic Publishing, Germany, 2018. ISBN: 978-613-9-82083-2

PATENT FILED:

- Patent was filed under my project entitled “11 ALPHA ACETOXY KHIVORIN FROM PRAWN SHELL WASTE” Application no: 2019441005660 A.

WORKSHOP/SEMINARS/CONFERENCES ATTENDED:

- Participated in the “**First International School on Radiation Research (ISRR-2017) Radiation Carcinogenesis: Mechanism and Experimental Models**” during 2-4 February 2017 at Department of Biochemistry & Biotechnology, **Annamalai University**.
- Participated in “**National conference on Advances in Biotechnology and Health Sciences**” held during 14- 15 March, 2017 at Department of Biotechnology, **MGR University**.
- Participated in the seminar titled “**Emerging Trends in Laboratory Diagnostics-Series II**” held on 6th May, 2017 at **Sankara Nethralaya**, Chennai.
- Participated in “**National Symposium on Recent Advances In Marine Sciences RAMS 2017**” held during 13 th and 14 th September 2017 at Centre For Ocean Research, **Sathyabama University**, Chennai.
- Participated in state level seminar and workshop on “**Advancements In Understanding Cellular And Environmental Stress Associated Human Diseases And Introduction To**

Basic Instrumentation In Molecular Biology” held on 9 th Feb. 2018 at department of biochemistry **Bharathi Womens College**, Chennai.

- Participated at the **“National Conference On Moleculas Basis Of Non-Communicable Diseases And Therapeutic Interventions”** on 15 th and 16 th feb 2018 at Vels Institute Of Science, Technology And Advanced Studies(VISTAS), Chennai.

PAPER PRESENTATION:

- ❖ Presented a Paper titled Assessment of minerals from shrimp shell wastes in **“National conference on Advances in Biotechnology and Health Sciences”** held during 14- 15 March, 2017 at Department of Biotechnology, MGR University.
- ❖ Presented a paper titled as **“Biochemical screening of active constituents from shells of *Penaeus vannamei* by GC-MS Analysis”** at **“National Symposium on Recent Advances In Marine Sciences RAMS – 2017”** held during 13th and 14th September 2017 at Centre For Ocean Research, Sathyabama University, Chennai.
- ❖ Presented a paper titled as **“Biochemical screening of active constituents from shells of *Penaeus vannamei* by LC-MS Analysis”** at **BIOTRENDS 2018 – A National summit on recent trends in biosciences to be held on 26th and 27th February 2018** at IIT Madras, Chennai.

AWARDS RECEIVED:

- ❖ Won **“BEST PARTICIPATION AWARD”** in ISRR 2017 Conference at **Annamalai University**.
- ❖ Has been awarded **“BEST INNOVATIVE PROJECT”** in Paper presentation during 14- 15 March, 2017 at Department of Biotechnology, **MGR University**.
- ❖ Won **BIOZONE ICON AWARDS 2018**, under **BUDDING RESEARCHER** category as part of **BIOTRENDS 2018 – A National summit on recent trends in Biosciences to be held on 26th and 27th February 2018** at **IIT, Chennai**.

ROLES AND RESPONSIBILITIES:

- ❖ Have participated in the **“NSS Special camp on Mangadu”** in Bharathi Women’s College, Chennai- 600 108.
- ❖ Have participated in the **“Orientation Programme for Peer Educators and Programme officers of Red Ribbon Club”** held at Adyar conducted by University of Madras.
- ❖ Member of society of radiation and cancer research (SRR) since March 2017.
- ❖ Member in cultural committee
- ❖ Member in Placement cell
- ❖ Class incharge of first year Plant Biology and Plant Biotechnology