



Dr. M. JEYAKUMAR

Adjunct Faculty

Contact

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Academic Qualification

Degree	Institution	Year	Branch	Class
Ph.D.,	Alagappa University	2022	Biotechnology	--
M.Sc.,	Alagappa University	2016	Biotechnology	First
B.Sc.,	Madurai Kamaraj University	2014	Biotechnology	First

Teaching Experience

Total Teaching Experience: 1 Year 11 Months

Position	Institution	Duration
Adjunct Faculty	Department of Biomedical Science, Alagappa University, Karaikudi	1 st December 2022- to till date
Assistant Professor	Department of Biotechnology, Vidhyaa Giri College of Arts and Science, Puduvayal	9 Months

Research Experience

Total Research Experience: Five years

Academic and Additional Responsibilities

S.No	Position- Dept. of Biomedical Science (Dept Level)	University Bodies	Period	
			From	To
1	Coordinator	IQAC, Alagappa University, Karaikudi	July 2023	Till Date
2	Coordinator	Village Extensive Programme, Alagappa University, Karaikudi	July 2023	Till Date
3	Coordinator	National Service Scheme (NSS), Alagappa University, Karaikudi	July 2023	Till Date
4	Coordinator	Value Added Course, Alagappa University, Karaikudi	July 2023	Till Date
5	Coordinator	Swachhta Pakhwada, Alagappa University, Karaikudi	July 2023	Till Date

Area of Research

Neurodegeneration, Cancer Biology, Zebrafish Toxicity

Research Supervisions/Guidance

Program of Study		Completed	Ongoing
UG	Project	24	-

Publications

International	National	BookChapter
7	2	1

Cumulative Impact Factor (as per JCR) : 32

h- index : 4

i10 index : 3

Total Citations : 68

Academic Merits & Awards

- Best Innovative Research award – presented by the Magic book of Record, Tamil Nadu, 2023.
- Ph.D. Fellowship (RUSA Phase 2.0), Alagappa University, 2019.

Events organized in leading roles

Position	Programme	Duration	Institution
Organizing Committee Member	International Symposium on Advances in Laboratory Techniques for Biomedical Applications, Department of Biomedical Science	January 2024	Alagappa University
Organizing Committee Member	“Rashtirya Poshan Maah-2022” (Nutrition Science Congress) Department of Biotechnology	September 2022	Vidhyaa Giri College of Arts and Science, Puduvayal
Organizing Committee Member	“World Environment Day” Department of Biotechnology	June 2022	Vidhyaa Giri College of Arts and Science, Puduvayal
Organizing Committee Member	“World Malaria Day” Department of Biotechnology	May 2022	Vidhyaa Giri College of Arts and Science, Puduvayal
Organizing Committee Member	“World Liver Day” Department of Biotechnology	April 2022	Vidhyaa Giri College of Arts and Science, Puduvayal
Organizing Committee Member	“Science Expo” Department of Biotechnology	March 2022	Vidhyaa Giri College of Arts and Science, Puduvayal

Organizing Committee Member	"World Autism Day" Department of Biotechnology	March 2022	Vidhyaa Giri College of Arts and Science, Puduvayal
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Events Participated

Number of Conferences/Seminars/Workshops : 23

Research Publications

S.No	Authors/ Title of the paper/Journal	Impact Factor
1	Mahalingam Jeyakumar , Kulanthaivel Langeswaran, Saranya Arumugam, Bharatha Rathna Pillappan, Durai Deepika. Phytocrystallization of Silver Nanoparticles Using Cassia Alata or Effective Control of Fungal Skin Pathogens. <i>Journal of Population Therapeutics and Clinical Pharmacology</i> , 30(18), 1550–1567. 2023.	0.3
2	Mahalingam Jeyakumar , Durai Deepika, Annamalai Jeyameenakshi. nut shell extract and it's <i>in vivo</i> toxicology analysis on adult zebrafish. <i>International Academic Journal of Applied Bio-Medical Sciences</i> . 4(3)1-8. 2023.	--
3	Jafni Sakthivel; Sathya Sethuraman; Arunkumar Malaisamy; Kiruthiga Chandramohan; Mahalingam Jeyakumar ; Easwaran Murugesh. Hesperidin Methyl Chalcone reduces extracellular A β (25-35) peptide aggregation and fibrillation and also protects Neuro2a cells from A β (25-35) induced neuronal dysfunction. <i>Bioorganic & Medicinal Chemistry</i> . 96, 117536, 2023.	3.5
4	Mahalingam Jeyakumar , Sethuraman Sathya, Soniya Gandhi, Prabhakararao Tharra, Murali Aarthy, Devasahayam Jaya Balan, Chandramohan Kiruthiga, Beeraiah Baire, Sanjeev Kumar Singh, KasiPandima Devi. α -bisabolol β -D-fucopyranoside exerts neuroprotective	4.8

	effect against β -amyloid ($A\beta$) induced oxidative stress in Neuro-2a cell via cholinesterase, antioxidant, and anti-apoptotic Activities. <i>Process Biochemistry</i> . 121, 493-503, 2021.	
5	Mahalingam Jeyakumar , Devasahayam JayaBalan, Chandramohan Kiruthiga, Kasi Pandima Devi. α -bisabolol β -D-fucopyranoside (ABFP) ameliorates scopolamine-induced memory deficits through cholinesterase inhibition and attenuation of oxidative stress in zebrafish (<i>Danio rerio</i>). <i>Journal of Biochemical and Molecular toxicology</i> , 35 (1) e22632, 2021.	3.6
6	Dicson Sheeja Malar, Prasanth Maniyer, Mahalingam Jeyakumar , Krishnaswamy Balamurugan, and Kasi Pandima Devi. Vitexin prevents $A\beta$ proteotoxicity in transgenic <i>Caenorhabditis elegans</i> model of Alzheimer's disease by modulating unfolded protein response. <i>Journal of Biochemical and Molecular Toxicology</i> , 35(1), 22632. 2021.	3.5
7	Mahalingam Jeyakumar , Sethuraman Sathya, Soniya Gandhi, Prabhakararao Tharra, Venkatesan Suryanarayanan, Sanjeev Kumar Singh, Beeraiah Baire, Kasi Pandima Devi. α -bisabolol β -D-fucopyranoside as a potential modulator of β -Amyloid peptide induced neurotoxicity: an <i>in vitro</i> & <i>in silico</i> study. <i>Bioorganic Chemistry</i> . 88, 102935, 2019.	5.3
8	Devasahayam JayaBalan, Mamali, Das, Sethuraman Sathya, Chandramohan Kiruthiga, Mahalingam Jeyakumar , Gover Antoniraj, Kasi Pandima Devi. Chitosan based encapsulation increased the apoptotic efficacy of thymol on A549 cells and exhibited non toxic response in swiss albino mice. <i>International Journal of Biological Macromolecules</i> , 202, 620-631. 2022.	8.0

9	Devasahayam Jaya Balan, Tamilselvam Rajavel, Mamali Das, Sethuraman Sathya, Mahalingam Jeyakumar , Kasi Pandima Devi. Thymol induces mitochondrial pathway mediated apoptosis via ROS generation, macromolecular damage and SOD diminution in A549 cells. <i>Pharmacological Reports</i> , 73(1), 240-254. 2021.	3.4
10	Devasahayam Jaya Balan, Chandramohan Kiruthiga, Mahalingam Jeyakumar , Kasi Pandima Devi. Synergistic Action of Thymol-Citral is Associated With Cell Cycle Arrest and Intracellular ROS Generation in A549 Cells. <i>Journal of Biochemical and Molecular Toxicology</i> . (Under Review).	3.5