

RESUME



Name: Dr. M. JOE VIRGIN LARGIA
Designation: Assistant Professor
Department: Botany
Address: 47/7K, Old Police Hospital St,
Palayamkottai – 627002

PERSONAL DETAILS

Date of Birth : 01-03-1987
Qualification : M.Sc., M.Phil., Ph.D. SET
Designation : Assistant Professor
Department : Botany
Community : BC
Religion : Roman Catholic
Nationality : Indian
Mobile : 97874 76940
Email ID : mjvlargia@gmail.com

ACADEMIC QUALIFICATIONS

Degree	College	University	Year of Passing
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Ph.D.	--	Alagappa University, Karaikudi	2015
M. Phil	-	Manonmaniam Sundaranar University, Tirunelveli	2010
M. Sc	Madras Christian College	Madras University, Chennai	2009
B. Sc	Lady Doak College	Madurai Kamaraj University, Madurai	2007

ACADEMIC IDENTITY

*VIDWAN ID	346826
*ORCID ID	0000-0002-5708-3367
*SCOPUS ID	55987469900
*RESEARCHER ID/ PUBLONS ID	HNJ-3039-2023
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=NEOgB4kAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	16-06-2017
Date of Retirement	01-03-2047
Teaching Experience	UG – 8 years
	PG – 6 years
	M.Phil. -Nil
Research	Guided M Phil: Guided Ph D: 1 Guiding Ph Scholar: 1

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B. Sc Biotechnology	Sri Paramakalyani College, Alwarkurichi	June 2015	June 2016	1
M. Sc Plant Science	Manonmaniam Sundaranar University	July 2016	May 2017	1
B. Sc Botany	St. Xavier's College	June 2017	Till now	8
M. Sc Botany	St. Xavier's College	June 2019	Till now	6

AWARDS RECEIVED

1.	“Dr. K. R. Venkata Subban Gold medal” for proficiency in M.Sc Plant Biology and Plant Biotechnology at Madras Christian College, Tambaram during 2008-2009
2.	Certificate of Special Honour” for consistent, creative and creditable participation in various aspects of residential life at Lady Doak College during 2004-2007
3.	Cash award from Catholic Teachers Welfare Association for better performance in Higher Secondary (2003-2004)
4.	Cash award from Catholic Teachers Welfare Association for better performance in SSLC (2001-2002)
5.	“Certificate of merit” for high position in SSLC from Education Department, Government of Tamilnadu (2001-2002)
6.	Rajya Puraskar and Rhastrapathi Awards from the Bharat Scouts and Guides during 2002

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date

1	ORIENTATION PROGRAMME for faculty in Colleges/Universities/ Institutes of Higher Education	PMMMNM, Ministry of Education	Ramanujam College, Delhi 19-06-2021 to 18-07-2021
2	Interdisciplinary REFRESHER COURSE on Research Methodology	PMMMNM, Ministry of Education	Ramanujam College, Delhi 20-07-2021 to 03-08-2021
3	Online Two-week REFRESHER COURSE in Botany	PMMMNM, Ministry of Education	Ramanujam College, Delhi 18-02-2023 to 04-03-2023

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC & Others)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Refresher Course on ICT – Enabled Teaching and Learning	--	29 th May – 3 rd June 2024 St. Xavier's College, Palayamkottai
2	Workshop on “Molecular Docking, Biological Software Packages and Cell culture Protocol Techniques”	--	6 th -8 th February, 2025 Centre for Molecular and Nanomedical Sciences, Sathyabama Institute of Science and Technology
3	Workshop on “Composting for Waste Management”	DST -SERB	20-21 February, 2025 Department of Plant Science, Manonmamiam Sundaranar University

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
M.Sc.	Micro propagation of an important medicinal plant <i>Eclipta prostrata</i> (L.)	Madras University
M.Phil	High frequency somatic embryogenesis from leaf tissues of <i>Phyllanthus emblica</i> Geartn	Manonmaniam Sundaranar University
Ph.D.	<i>In vitro</i> conservation and secondary metabolite enhancement of the ayurvedic important medicinal plant <i>Bacopa monnieri</i> (L.) through biotechnological approaches	Alagappa University

AREAS OF RESEARCH
Plant Tissue Culture and Molecular marker analysis
Synthetic seed production
<i>Agrobacterium</i> mediated transformation
Hairy root culturing
Elicitation induced secondary metabolite production
Phytochemical analysis

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS (4)			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1.	<i>In vitro</i> studies in <i>Andrographis paniculata</i> pertaining to andrographolide production	Plants for Immunity and conservation strategies	ISBN : 978-981-99-2823-197-112 July 2023
2.	Hairy root cultures – A novel way to mass produce plant secondary metabolites	Phytochemical Genomics	978-981-19-5776 417 - 446
3.	Elicitation – An efficient strategy for enriched production of plant secondary metabolites	Phytochemical Genomics	978-981-19-5776 477-500
4.	CRISPR plants for enhancing secondary metabolism: methods and applications	CRISPR for climate – smart and sustainable Agriculture	Paperback: 9780443241352 E Book : 9780443241369 March 2025

PUBLICATIONS: SCOPUS INDEXED JOURNALS (10) WEB OF SCIENCE (0)			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Improved in vitro propagation, solasodine accumulation and assessment of clonal fidelity in regenerants of <i>Solanum trilobatum</i> L. by flow cytometry and SPAR methods	Plant Cell Tissue Organ Culture	117(1): 125-129 ISSN NO.0167-6857
2.	Analysis of nuclear DNA content, genetic stability, Bacoside A quantity and antioxidant potential of long term in vitro grown germplasm lines of <i>Bacopa monnieri</i> (L.).	Plant Cell Tissue Organ Culture	120(1): 399-406 [IF:2.6] ISSN NO. 0167-6857
3.	Methyl Jasmonate and Salicylic acid synergism enhances	Plant Cell Tissue Organ Culture	122(1):9-20 [IF:2.6] ISSN NO. 0167-6857

	Bacoside A content in shoot cultures of <i>Bacopa monnieri</i> (L.).		
4.	Methyl Jasmonate elicits the solasodine production and anti-oxidant activity in hairy root cultures of <i>Solanum trilobatum</i> (L.)	Industrial Crops and Products	71: 54-64 [IF:2.8] ISSN NO. 0926-6690
5.	Analysis of genetic variation in Sorghum (<i>Sorghum bicolor</i> (L.) Moench) genotypes with various agronomical traits using SPAR methods	Gene	576:581-585 [IF:2.1] ISSN NO. 0378-1119
6.	Regeneration potential of hairy roots of <i>Bacopa monnieri</i> (L.) and Bacoside A contents of Ri transformed plants upon elicitation with chitosan.	World Journal of Microbiology and Biotechnology	32 :131-141 [IF:1.8] ISSN NO. 0959-3993
7.	Short-term storage of <i>Solanum trilobatum</i> L. synthetic seeds and evaluation of genetic homogeneity using SCoT markers	Plant Biotechnology Reports	15: 651-661
8.	Improved in vitro regeneration, genetic fidelity analysis, antioxidant potential, and hairy root induction of <i>Justicia gendarussa</i> Burm. f	Plant Biotechnology Reports	Published online on July 5 th , 2022.
9.	Jasmonates in Plant Growth and Development and Elicitation of Secondary Metabolites -An Updated Overview	Frontiers in Plant Science	doi: 10.3389/fpls.2022.942789
10.	An overview of the	Journal of King	36(9) 1018-3647

	molecular and biochemical components of seed dormancy and germination in <i>Brassica napus</i>	Saud University-Science	I.F – 3.7 October 2024	
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PUBLICATIONS: UGC LISTED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	<i>Agrobacterium</i> mediated transformation of <i>Bacopa monnieri</i> (L.) - an important medicinal plant	Journal of Medicinal plants Research	5(11):2316-2321 [IF:0.5] ISSN NO.1996-0875

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No
1.	Genetic fidelity assessment of encapsulated in vitro tissues of <i>Bacopa monnieri</i> (L.) Pennell after 6 months of storage by using ISSR and RAPD markers	Turkish Journal of Botany	37(6): 1008-101 [IF:1.2] ISSN NO.1303-6106
2.	High frequency somatic embryogenesis from leaf tissues of <i>Emblia officinalis</i> Gaertn.- A high valued tree for non- timber forest products	Australian Journal of Crop Science	7(10):1480-1487 [IF:1.0] ISSN NO.1835-2707
3.	<i>In vitro</i> mass propagation and conservation of <i>Nilgirianthus ciliatus</i> through nodal explants: A globally endangered, high trade medicinal plant of Western Ghats	Plant Biosystems	151:204-211 [IF:1.9] ISSN NO. 1126-3504
4.	Direct shoot organogenesis and <i>Agrobacterium tumefaciens</i> mediated transformation of <i>Solanum trilobatum</i> (L.).	Turkish Journal of Biology	40:866-877 [IF:1.8] ISSN NO. 0959-3993

5.	Morphological and cytological observations of <i>Christella parasitica</i> (L.) lev. from Valparai hills	Indian Fern Journal	39(1):153-160 ISSN NO. 0970-2741
6.	Distribution of pinnae hairs, stomata and spore counting of counting of <i>Christella parasitica</i> (L.) lev., from selected places of Western Ghats	Indian Fern Journal	39(1):161-168 ISSN NO. 0970-2741

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Association Meeting – “A GREEN LIFESTYLE”	--	St. Xavier’s College of Education, Palayamkottai 19 th July, 2024
2.	Guest lecture on Biotechnological Strategies for sec met enhancement in plants	--	Dep. Of Biotechnology VVV College, Viruthunagar. 16 th March 2022

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	International Conference on Environmental security for Food and Health		Kanyakumari Feb. 16-18, 2012.
2.	National Conference on Role of Microbes in Health, Agriculture and Industry		Alagappa University, Karaikudi during Mar. 26-27, 2012.
3.	National Conference on Phytomedicine		Dept. of Botany, Bharathiyar University, Coimbatore during Oct. 4-5, 2012.
4.	Second Indian Biodiversity Congress		Indian Institute of Science, Bangalore during Dec. 9-11, 2012.
5.	International Conference on Reasserting		Dept. of Biotechnology,

	Microbial Biotechnology to deflate global disease burden held		Manonmaniam Sundaranar University, Tirunelveli during Sep.28-29, 2015.
6.	International Conference on -----	\7	St. Xavier's College 13 th & 14 th February, 2025
7.	National Conference on Recent Progress in Bioprospecting- derived therapeutic products	--	Department of Zoology, St. Xavier's College, Palayamkottai 12 th and 13 th January, 2023

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Summer Training course on Basic techniques in biology	--	Lady Doak College, Madurai during 21 st April - 13 th May, 2005.
2.	Training course on "Basic industrial biotechnology"	--	Geomarine Biotechnologies [P] Ltd, Chennai during May 1-17, 2006.
3.	Training on "Vermicomposting"	--	Agricultural College and Research Institute, Madurai on 9 th August, 2006
4.	National Workshop on "Microbial Diversity & Phylogenetics"	DBT	Department of Biotechnology, Alagappa University, Karaikudi during Jan. 19-21, 2011.
5.	National level Training course (XIX Winter School) on "Plant viruses as tools in Biotechnology"	UGC	Networking Resource Centre in Biological Sciences, Madurai Kamaraj University, Madurai during 1-15 November, 2011.
6.	National Workshop on "Microbial Diversity: DNA to Database"	DBT	Department of Biotechnology, Alagappa University, Karaikudi during Feb. 23-25, 2012.
7.	National Seminar cum Workshop on "Microbial Diversity and Infectomics"	DBT	Department of Biotechnology, Alagappa University, Karaikudi during February 27-March 1, 2013.
8.	National Workshop on "Microscopy"	--	Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli during December 17-19, 2016.

9.	Workshop on “Molecular Docking, Biological Software Packages and Cell culture Protocol Techniques”	--	Centre for Molecular and Nanomedical Sciences, Sathyabama Institute of Science and Technology 6 th -8 th February, 2025
10	DST -SERB sponsored Workshop on “Composting for Waste Management”	DST -SERB	Department of Plant Science, Manonmamiam Sundaranar University 20-21 February, 2025

COUNTRIES VISITED

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Date:

Name: