



Dr. J. JOSEPH SAHAYARAYAN
Assistant Professor

Contact

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Academic Qualifications: M.Sc., Ph. D.,

Degree	Year of Passing	University / Institute
M. Sc., (Biotechnology)	April - 2004	Bharathidasan University
Ph. D., (Biotechnology)	November - 2010	Bharathidasan University

Teaching Experience: 4.8 Years

Designation	Institution	Department	Duration
Assistant Professor	Alagappa University Karaikudi.	Bioinformatics	Dec 2015 to till date
Assistant Professor	St. Joseph Groups of Institutions Dar Es Salaam, Tanzania.	General Engineering	May 2012 to March 2013
Assistant Professor	RVS College of Arts and Science, Karaikal, Pondicherry.	Biochemistry and Microbiology	June 2010 to March 2012

Research Experience: 12 Years

Additional Responsibilities

S. No.	Position - Dept. of Bioinformatics	Organization
1.	Co-ordinator, Faculty Progress Report	Alagappa University
2.	Co-ordinator, Village Extension Program (VEP)/ National Service Scheme (NSS)	Alagappa University
3.	Co-ordinator, Extra Curricular Activities	Alagappa University
4.	Member, Examination Board	Alagappa University
5.	Member, Research and Purchase Committee	Alagappa University
6.	Member, Curriculum Development	Alagappa University
7.	Member, Employability Skills/Career Guidance	Alagappa University

Areas of Research

Plant Genetic Engineering
Plant Virology and Pathology
Plant Bioinformatics (Human Diseases)

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	4	-
	PGDSP	1	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
9	9	1	7	-

Cumulative Impact Factor (as per JCR) : 2.463
h-index : 3
i10 index : 2
Total Citations : 55

Funded Research Project (On going)

S.No	Funding Agencies	Periods		Project Title	Budget
		From	To		
1.	AURF	2018	2020	Isolation, structural elucidation and biological properties of secondary metabolites from <i>Mucuna pruriens</i> and their <i>In Silico</i> studies	1,00,000.00

Distinctive Achievements / Awards

University Research Fellowship (Bharathidasan University) - (Jan 2007 – Dec 2009)

Events organized in leading roles (Committee Member)

Number of Seminars cum Workshops:

1. Organizing Committee Member in 8th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"[SBCADD'2016]
2. Organizing Committee Member in 9th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"[SBCADD'2017]
3. Organizing Committee Member in 10th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"[SBCADD'2018]

Events Participated

Conferences / Seminars / Workshops: 19

Recent Publications

1. R. Udayakumar, S. Kasthuriengan, T.S. Mariashibu, **J. Joseph Sahayarayan**, S.C. Kim, C.W. Choi, A. Ganapathi, (2009), "Antioxidant Activity of Phenolic Compounds Extracted from the Roots and Leaves of *Withania somnifera* (L.) from Different Geographical Locations in India", *Fun. Plant Sci. Biotech.*, 4, 28-33.
2. R. Udayakumar, S. Kasthuriengan, A. Vasudevan, T.S. Mariashibu, **J. Joseph Sahayarayan**, C.W. Choi, A. Ganapathi, S.C. Kim, (2010), "Antioxidant Effect of Dietary Supplement *Withania somnifera* L. Reduce Blood Glucose Levels in Alloxan-Induced Diabetic Rats", *Plant food for human nutrition*, 65, 91-98. (I.F:2.46).
3. R. Udayakumar, C.W. Choi, S.C. Kim, S. Kasthuriengan, T.S. Mariashibu, **J. Joseph Sahayarayan**, A. Ganapathi, (2013), "*In-vitro* plant regeneration from epicotyls explants of

Withania somnifera (L.) Dunal”, *Journal of Medicinal Plants Research*, 7, 43-52. (I.F:0.879).

4. T. Sathiamoorthi, **J. Joseph Sahayarayan**, A. Arivoli, (2016), “Prevalence of Multi Drug Resistance *Campylobacter Jejuni* from Raw Chicken Meat in Erode Retail Shop”, *International Journal of Current Research*, 08, 38612-38614.
5. A. Arivoli, T. Sathiamoorthi, M. Satheeshkumar, **J. Joseph Sahayarayan**, P. Boomi, (2016) “Study of Water Quality Parameters of Cauvery River Water in Erode Region”, *Journal of Global Biosciences*, 5, 4556-4567.
6. T. Sathiamoorthi, A. Arivoli, **J. Joseph Sahayarayan**, M. Satheesh Kumar, (2017). Antibiotic Resistance Pattern of Bacterial Pathogens Isolated From Poultry Waste in Erode. *Indian J. Environmental Protection*, Vol. 37, No.1, pp. 25-30.
7. T. Sathiamoorthi, K. Natarajaseenivasan, P. Velmurugan, P. Prabakaran, P. Virumandi, A. Arivoli, **J. Joseph Sahayarayan**, (2017). Prevalence of Multi Drug Resistance Asymptomatic Bacteriuria from Pregnant Women in Karaikudi, Sivagangai District. *International Journal of Modern Science and Technology*, Vol. 2, pp. 277-283.
8. K. Karthikeyan, **J. Joseph Sahayarayan**, (2017). Antibacterial Activity of a Novel *Bacillus cereus* isolated from Mangrove Ecosystem. *International Journal of Current Microbiology and Applied Sciences*, Vol. 6 No. 8, pp. 3302-3306.
9. **J. Joseph Sahayarayan**, K. Karthikeyan, T. Sathiamoorthi, (2018). Novel Anti-Streptococcal Peptide Produced by Mangrove Bacteria *Bacillus subtilis* *International Journal of Current Microbiology and Applied Sciences*, Vol. 7 No. 1, pp.1-5.