



Dr. J. JOSEPH SAHAYARAYAN
ASSISTANT PROFESSOR

Contact

Address : Department of Bioinformatics
4th Floor, Science Campus
Alagappa University, Karaikudi
Tamil Nadu, India - 630 003

Employee Number : 34405

Contact Phone (Office) : +91 4565 223345

Contact Phone (Mobile) : +91 9047564087

Contact e-mail(s) : josephj@alagappauniversity.ac.in
jjsrbioinformatics2016@gmail.com

Skype id : -

Website : -

Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Bharathidasan University, Tiruchirappalli.	November- 2010	Biotechnology	Highly Commended
M.Sc.	Bishop Heber College, Tiruchirappalli. (Bharathidasan University)	April-2004	Biotechnology	First Class
B.Sc.	Arputha College of Arts & Science, Vamban, Pudukkottai. (Bharathidasan University)	April - 2002	Biochemistry	First Class

Teaching Experience

Total Teaching Experience : 11 Years and 1 Month

Position	Institution	Duration
Assistant Professor	Alagappa University, Karaikudi, Tamil Nadu.	Dec 2015 to till date
Assistant Professor	RVS College of Arts and Science College, Karaikal, Pondicherry.	June 2010 to March 2012

PDF/ Visiting Professor : Abroad

Position	Institution	Duration
Assistant Professor	St. Joseph Groups of Institutions, Dar Es Salaam, Tanzania.	May 2012 to June 2013

Research Experience

Total Research Experience : 14 Years

Position	Institution / University	Duration
Assistant Professor	Alagappa University, Karaikudi, Tamil Nadu.	Dec 2015 to till date
Ph.D.	Bharathidasan University, Tiruchirappalli.	2006 to 2010

Academic and Additional Responsibilities

S.No	Position	Department Bodies	Period	
			From	To
1.	Department level Member	Curriculum Development	2016	Till Date
2.	Department level Member	Examination Board	2016	Till Date
3.	Department level Member	Purchase Committee	2016	Till Date
4.	Department level Member	Research Committee	2016	Till Date
5.	Department level Co-coordinator	Time table	2020	Till Date
6.	Department level Co-coordinator	M. Sc., Department Level external exam evaluation	2020	Till Date
7.	Department level Co-ordinator	Academic Audit (IQAC)	2020	Till Date
8.	Department level Co-ordinator	Alumni and Parent Teacher Association	2020	Till Date
9.	Department level Co-ordinator	Mentor – Mentee Report	2020	Till Date
10.	Department level Co-ordinator	Vivekananda Cadet Corps/ Employability Skills/ Career Guidance	2020	Till Date
11.	Department level Co-ordinator	Azhagu/ Departmental magazine and e-magazine	2020	Till Date
12.	Department level Co-ordinator	Swachhata Hi Seva (SHS)	2020	Till Date

Areas of Research

- **Title of the Research**

Plant Bioinformatics - Network Pharmacology, Database Creation, Computer Aided Drug Designing and Next Generation Sequencing in plant system.

My research area is mainly focusing on identification of bioactive compounds from medicinally important plants and concentrates on human diseases. Due to emerging problems of drug resistance in bacteria, fungus and viruses in plant system. Development of metabolic products for the control of bacterial, fungal and viral pathogens, which often emerges as a secondary infection following antibiotic treatment. Mainly explored many lead compounds from medicinal plants showing effect on bacterial, fungal and viral infection and human health.

- Quantification and purification of bioactive compounds
- Computational comparative genomics-based detection of novel genes
- Chemical synthesis of the novel and putative defensins
- Structural elucidation of compounds using advanced techniques
- Genotoxicity studies
- Pharmacophore mapping and 3D QSAR studies
- Molecular docking studies using standard software and tools

Patents Filed

- **Title of the Patent - Smart pulse oximeter with data storage and wireless access**

Patent Design Number: 6318072 Designed and published

Authors: Dr. Prasad Selladurai, Dr. Purti Bilgaiyan, Dr. Ramasamy Vidhyavathi, **Dr. Jesudass Joseph Sahayarayan**, Sathiya Ayyadurai, Dr. Dharani Krishnaswamy Gopalakrishnan, Dr. Yuvaraj Kunnathur Periyasamy, Dr. Keyur Kumar Patel

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	-	-
	Ph.D	-	02
	M.Phil	01	-

Project	PG	19	9
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
10	18	8	12	02

Cumulative Impact Factor (as per JCR)	:	46.1
h-index	:	09
i10 index	:	09
Total Citations	:	399

Funded Research Projects

Ongoing Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	TANSCHE	2021	2024	<i>In vitro</i> and <i>In silico</i> approach in endangered medicinal plant <i>Hemidesmus indicus</i> for conservation and production of clinically important triterpenoids. (CO - PI)	Without Budget

Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	AURF Start-Up Grant	2018	2020	Isolation, structural elucidation and biological properties of secondary metabolites from <i>Mucuna pruriens</i> and their <i>In Silico</i> studies.	0.50/-
2.	RUSA 2.0	2019	2020	Computational defensin profiling, chemical synthesis and assessment of bioactivity in <i>Cucumis anguria</i> L. against antibiotic resistant New Delhi β lactamase producers.	4.80/-
3.	RUSA 2.0	2022	2023	Computational defensin profiling, chemical synthesis and assessment of bioactivity in <i>Cucumis anguria</i> L. against antibiotic resistant New Delhi β lactamase producers.	5.22/-

Distinctive Achievements / Awards

- University Research Fellowship (Bharathidasan University) - (Jan 2007 – Dec 2009).
- Key Note Speaker Award by Eudoxia Research Centre, Eudoxia Education Private Limited, Guwahati, India. (Aug - 2019).

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

Position	Programme	Duration	Institution
Organizing Committee Member	8 th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"(SBCADD'2016)	16 th to 19 th February 2016	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu.

Event Co-ordinator	ALUTES 2016	3 rd to 5 th October 2016	Cultural Club, Alagappa University, Karaikudi, Tamil Nadu.
Organizing committee member	9 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (SBCADD'2017)	14 th to 17 th February 2017	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu
Organizing committee member	10 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (SBCADD'2018)	20 th to 23 rd February 2018	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu
Co-ordinator (Department level)	SWACHHTA HI SEVA 2018	15 th Sep to 2 nd October 2018	Alagappa University, Karaikudi, Tamil Nadu
Organizing committee member	11 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (SBCADD 2019)	12 th to 15 th February 2019	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu
Co-ordinator (Department level)	MHRD-UGC Initiative Swachhta Hi Seva, Swachhta Pakhwada, Rashtriya Poshan Maah & Jal Shakti Abhiyan Programmes	1 st July to 30 th November 2019	Alagappa University, Karaikudi, Tamil Nadu
Organizing Committee Member	International Conference on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (ICSBCADD 2019)	11 th to 13 th December 2019	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu
Organizing Committee Member	2 nd International Conference cum Workshop “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (ICSBCADD’ 2022)	21 st to 25 th November 2022	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu

Events Participated

Number of Conferences / Seminars / Workshops: 16

Sl.No	Name of the Conference/Seminar/Work-Shop	Date and Place of Conference, etc.,	Title of Paper Presented / Attended
1.	International Symposium on “Frontiers in Genetics and Biotechnology – Retrospect and Prospect”.	(08 th to 10 th Jan-2006) Department of Genetics, Osmania University, Hyderabad, India.	Attended
2.	International Colloquium on “Environmental Pollutant Hazards Management & Preventing Viral Diseases” - (IC – 2010).	(29.10.2010) Department of Biochemistry, RVS College of Arts and Science, Karaikal, Pondicherry.	Attended
3.	International Conference on “Recent Trends in Biosciences) - (ICRTB 2016).	(07 th to 09 th Apr-2016) Biosciences of Departments, Alagappa University, Karaikudi, Tamil Nadu.	Bioinformatics Opportunities for Identification and study of medicinal Plants. (Poster presentation)
4.	International workshop on “Molecular Physiology, Therapeutics and Experimental Medicine” - (MPTEM - 2016).	(6 th to 7 th - Sep – 2016) Department of Animal Health and Management, Alagappa University, Karaikudi, Tamil Nadu.	Attended
5.	International workshop on “Data Science & Analytics” – 2016.	(27 th to 28 th - Sep - 2016) Department of Computer Science, Alagappa University, Karaikudi, Tamil Nadu.	Attended
6.	International conference on “Recent Trends in Microbiology” - (RTM - 2016).	(20 th to 21 th Dec - 2016) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Phytochemical Screening and Antimicrobial Activity of <i>Cucumis anguria</i> L. Leaves.

7.	One day National Level Conference on “Exploring Commercialization of Biosensor in India”.	(4 th – Mar - 2017) Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi, Tamil Nadu.	Attended
8.	2 nd International Conference on “Recent Trends in Microbiology” - (RTM-2018).	(11 th -12 th Jan-2018) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
9.	International Conference on “Information, Communication and Digital Security” – (ICICDS 2018)”	(21 th to 22 nd March-2018) Department of Computer Applications, Alagappa University, Karaikudi, Tamil Nadu.	Attended
10.	3 rd International Conference on “Recent Trends in Microbiology” - (RTM-2018).	(24 th -25 th Jan-2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
11.	International Conference on “New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science” – 2019. (INFES-2019).	(23 rd Feb- 2019) IST-Gauhati University, Guwahati, India.	Influences of shoot organogenesis in <i>Lavandula pubescens</i> using treatment with ethylene inhibitors and polyamines.
12.	International Conference on “Bioplastics” - (BIOP 2019).	(2 nd April- 2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
13.	International Conference on “Computational Sciences” - (ICCS 2019).	(23.10.2019 to 24.10.2019) Department of Computer Science, Alagappa University, Karaikudi, Tamil Nadu.	1. Medicinal plants Database for Dengue, Tuberculosis and Jaundice: A common Platform for Genomic, Chemical and Traditional Information. 2. <i>In –Silico</i> approach for screening and

			Assessment of Phytochemicals using National plants for Snake Bite.
14.	International Conference on “Innovative and Emerging Trends in Botany” - (ICIETB-2019).	(6 th – 7 th Nov-2019) Department of Botany, Alagappa University, Karaikudi, Tamil Nadu.	Attended
15.	International Conference on “Recent Trends in Bioplastics” - (RTB-2019)	(9 th & 10 th Dec-2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
16.	International Conference on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design”.	(11.12.2019 to 13.12.2019) Department of Bioinformatics, Alagappa University, Karaikudi.	1. Virtual Screening approaches to identify potent inhibitors against Obesity causing protein in PCOS. 2. A computational study to analyze the potent inhibitor against cardiovascular disease (CVD) from <i>Salix tetrasperma</i> .

Overseas Exposure / Visits

- Assistant Professor in St. Joseph Groups of Institutions, Dar Es Salaam, Tanzania. (May 2012 to June 2013)

Membership

Professional Bodies

- Life member: BIDDS (Bioinformatics Drug Discovery Society), Karaikudi, Tamil Nadu.

Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2018	Broad Based Board of Studies	Member
2019	Broad Based Board of Studies	Member
2022	Broad Based Board of Studies	Member

List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	C, T., D, S., S T, A., Joseph Sahayarayan. J. J. , Ali, D., Alarifi, S., Rembulan, G. D., Jones, S., Yadav, K. K., Ramanujam, G. M., Chang, S. W., & Ravindran, B. (2023). Defluoridation of potable water employed by natural polysaccharide isolated from <i>Tamarindus indica</i> L. <i>Chemosphere</i> , 335, 138931.	8.8
2.	Chandrasekaran, M., Paramasivan, M., & Sahayarayan, J. J. (2022). Microbial volatile organic compounds: An alternative for chemical fertilizers in sustainable agriculture development. <i>Microorganisms</i> , 11(1), 42.	4.5
3	Karthik, S., Sathish, S., Sahayarayan, J. J. , & Manickavasagam, M. (2022). M eta-topolin enhances regeneration and Agrobacterium-mediated genetic transformation in radish (<i>Raphanus sativus</i> L.). <i>In Vitro Cellular & Developmental Biology-Plant</i> , 58(5), 806-815.	2.6

4.	Panikar, S., Shoba, G., Arun, M., Sahayarayan, J. J. , Nanthini, A. U. R., Chinnathambi, A., ... & Kim, H. J. (2021). Essential oils as an effective alternative for the treatment of COVID-19: Molecular interaction analysis of protease (Mpro) with pharmacokinetics and toxicological properties. <i>Journal of Infection and Public Health</i> , 14(5), 601-610.	6.7
5.	Sahayarayan, J. J. , Rajan, K. S., Vidhyavathi, R., Nachiappan, M., Prabhu, D., Alfarraj, S., ... & Daniel, A. N. (2021). In-silico protein-ligand docking studies against the estrogen protein of breast cancer using pharmacophore based virtual screening approaches. <i>Saudi Journal of Biological Sciences</i> , 28(1), 400-407.	4.4
6.	Sahayarayan, J. J. , Rajan, K. S., Nachiappan, M., Prabhu, D., Rao, R. G. R., Jeyakanthan, J., ... & Morgan, A. M. (2020). Identification of potential drug target in malarial disease using molecular docking analysis. <i>Saudi journal of biological sciences</i> , 27(12), 3327-3333.	4.4
7.	Sahayarayan, J. J. , Udayakumar, R., Arun, M., Ganapathi, A., Alwahibi, M. S., Aldosari, N. S., & Morgan, A. M. (2020). Effect of different Agrobacterium rhizogenes strains for in-vitro hairy root induction, total phenolic, flavonoids contents, antibacterial and antioxidant activity of (<i>Cucumis anguria</i> L.). <i>Saudi Journal of Biological Sciences</i> , 27(11), 2972-2979.	4.4
8.	Chandrasekaran, M., Chun, S. C., Oh, J. W., Paramasivan, M., Saini, R. K., & Sahayarayan, J. J. (2019). Bacillus subtilis CBR05 for tomato (<i>Solanum lycopersicum</i>) fruits in South Korea as a novel plant probiotic bacterium (PPB): implications from total phenolics, flavonoids, and carotenoids content for fruit quality. <i>Agronomy</i> , 9(12), 838.	3.7

Resource persons in various capacities

National Conferences	:	11
International Conferences	:	16
Invited Lectures	:	07

Events participated & Presented in National Conferences, Seminar, Workshop and Symposium:

Sl. No	Name of the Conference/Seminar/Work-Shop	Date and Place of Conference, etc.,	Title of Paper Presented/Attended
1.	One day National Workshop on “Patent Information”.	29 th April 2009, jointly organizes by Patent cell, Bharathidasan University, Tiruchirappalli, National Institute of Technology, Tiruchirappalli & Tamil Nadu State Council for Science and Technology, Chennai, Tamil Nadu.	Attended
2.	8 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” - (SBCADD - 2016).	(16 th to 19 th Feb-2016) Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu.	Assessment on Superior Protein Structure of Transgenic Cucumber (<i>Cucumis sativus</i> L.) using Computational Tools and Software’s.
3.	“World Animal Day Celebration”.	(4 th Oct-2016) Department of Animal Health and Management, Alagappa University, Karaikudi, Tamil Nadu.	Attended
4.	9 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” - (SBCADD - 2017).	(14 th to 17 th – Feb -2017) Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu.	<ol style="list-style-type: none"> 1. Protein-Protein docking studies of RANKL-RANK and the structural transition inducement of Hydroxyapatite for bone Remodeling – <i>in silico</i> perspective. 2. Understanding the Molecular Evolution, Divergence and their Structural

			Impact of Selenoprotein P – A computational approach.
5.	“World Animal Day Celebration”.	(4 th Oct-2017) Department of Animal Health and Management, Alagappa University, Karaikudi, Tamil Nadu.	Attended
6.	Five Day Workshop on “Commercialization Prospects of Microbial Formulates”.	(22 nd to 25 th Jan-2018) Jointly organized by Department of Microbiology and University Business Collaboration Centre (UBCC), Alagappa University, Karaikudi, Tamil Nadu.	Attended
7.	One Day Workshop on “Technical and Scholarly Writing”.	(14.02.2019) Technical and Academic Writing Centre, Alagappa University, Karaikudi, Tamil Nadu.	Attended
8.	10 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” - (SBCADD – 2018).	(20 th to 23 th –Feb -2018) Department of Bioinformatics, Alagappa University, Karaikudi.	<ol style="list-style-type: none"> 1. <i>In silico</i> analysis of potential targets in <i>Mycobacterium tuberculosis</i>. 2. <i>In silico</i> studies of proteins (RANKL, RANK & OPG) involved in osteoporosis & docking analysis of ant osteoporotic compounds isolated from medicinal plants.
9.	National Conference on “Advanced Materials for Sustainable Energy and Sensors” (NCAMSES-2019).	Department of Physics, Alagappa University, Karaikudi, Tamil Nadu.	Attended
10.	A two-Day National Conference on “Recent Trends in Drug Discovery Development and	(26.09.2019 to 27.09.2019) PG and Research Department of Biochemistry, J.J. College of Arts and Science	1. Identification of potential compound against CARM1 breast cancer protein

	Targeted Delivery System for Cancer” – 2019.	(Autonomous), Pudukkottai, Tamil Nadu.	using various species of <i>Hibiscus</i> . 2. Identification of Potent Inhibitor from Medicinal Plants for ABL Kinase Involved in Cervical Cancer through <i>in silico</i> Approach.
11.	11 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” - (SBCADD - 2019).	(12.02.2019-15.02.2019) Department of Bioinformatics Alagappa University, Karaikudi, Tamil Nadu.	<ol style="list-style-type: none"> 1. “A computational approach to find an effective targets for 1, 3-Indandione based Schiff base ligands in search of anticancer drugs”. 2. “<i>In silico</i> identification of compounds from <i>Adansonia digitata</i> plant for the treatment of Bladder cancer”. 3. “<i>In silico</i> identification of compounds against on Diabetic Retinopathy”. 4. “<i>In silico</i> docking studies with natural compounds & comparative analysis of available drugs against tau protein for Alzheimer disease”. 5. “<i>In silico</i> identification of potent inhibitor against viral

			protein NS3 helicase from dengue virus”.
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Events participated & Presented in International Conferences, Seminar, Workshop and Symposium:

Sl.No	Name of the Conference/Seminar/Work-Shop	Date and Place of Conference, etc.,	Title of Paper Presented / Attended
1.	International Symposium on “Frontiers in Genetics and Biotechnology – Retrospect and Prospect”.	(08 th to 10 th Jan-2006) Department of Genetics, Osmania University, Hyderabad, India.	Attended
2.	International Colloquium on “Environmental Pollutant Hazards Management & Preventing Viral Diseases” - (IC – 2010).	(29.10.2010) Department of Biochemistry, RVS College of Arts and Science, Karaikal, Pondicherry.	Attended
3.	International Conference on “Recent Trends in Biosciences) - (ICRTB 2016).	(07 th to 09 th Apr-2016) Biosciences of Departments, Alagappa University, Karaikudi, Tamil Nadu.	Bioinformatics Opportunities for Identification and study of medicinal Plants. (Poster presentation)
4.	International workshop on “Molecular Physiology, Therapeutics and Experimental Medicine” - (MPTEM - 2016).	(6 th to 7 th - Sep – 2016) Department of Animal Health and Management, Alagappa University, Karaikudi, Tamil Nadu.	Attended
5.	International workshop on “Data Science & Analytics” – 2016.	(27 th to 28 th - Sep - 2016) Department of Computer Science, Alagappa University, Karaikudi, Tamil Nadu.	Attended
6.	International conference on “Recent Trends in Microbiology”	(20 th to 21 th Dec - 2016)	Phytochemical Screening and

	- (RTM - 2016).	Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Antimicrobial Activity of <i>Cucumis anguria</i> L. Leaves.
7.	One day National Level Conference on “Exploring Commercialization of Biosensor in India”.	(4 th – Mar - 2017) Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi, Tamil Nadu.	Attended
8.	2 nd International Conference on “Recent Trends in Microbiology” - (RTM-2018).	(11 th -12 th Jan-2018) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
9.	International Conference on “Information, Communication and Digital Security” – (ICICDS 2018)”	(21 th to 22 nd March-2018) Department of Computer Applications, Alagappa University, Karaikudi, Tamil Nadu.	Attended
10.	3 rd International Conference on “Recent Trends in Microbiology” - (RTM-2018).	(24 th -25 th Jan-2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
11.	International Conference on “New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science” – 2019. (INFES-2019).	(23 rd Feb- 2019) IST-Gauhati University, Guwahati, India.	<u>Influences of shoot organogenesis in <i>Lavandula pubscenes</i> using treatment with ethylene inhibitors and polyamines.</u>
12	International Conference on “Bioplastics” - (BIOP 2019).	(2 nd April- 2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
13.	International Conference on “Computational Sciences” - (ICCS 2019).	(23.10.2019 to 24.10.2019) Department of Computer Science,	1. Medicinal plants Database for Dengue, Tuberculosis and Jaundice: A common

		Alagappa University, Karaikudi, Tamil Nadu.	Platform for Genomic, Chemical and Traditional Information. 2. <i>In –Silico</i> approach for screening and Assessment of Phytochemicals using National plants for Snake Bite.
14.	International Conference on “Innovative and Emerging Trends in Botany” - (ICIETB-2019).	(6 th – 7 th Nov-2019) Department of Botany, Alagappa University, Karaikudi, Tamil Nadu.	Attended
15.	International Conference on “Recent Trends in Bioplastics” - (RTB-2019)	(9 th & 10 th Dec-2019) Department of Microbiology, Science campus, Alagappa University, Karaikudi, Tamil Nadu.	Attended
16.	International Conference on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design”.	(11.12.2019 to 13.12.2019) Department of Bioinformatics, Alagappa University, Karaikudi.	1. Virtual Screening approaches to identify potent inhibitors against Obesity causing protein in PCOS. 2. A computational study to analyze the potent inhibitor against cardiovascular disease (CVD) from <i>Salix tetrasperma</i> .

Resource persons in various capacities/ Invited Lecture:

Sl.No	Name of Invited Lecture/ Seminar / Conference	Organizer	Date
1.	Lecture on “Transgenic Plants” in the Remedial Coaching Class for Bioinformatics students. (Invited Lecture)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu.	22.01.2016
2.	Lecture on “Medicinal Plants and its applications for human diseases” in the	Department of Bioinformatics, Alagappa University, Karaikudi,	22.03.2019

	Remedial Coaching Class for Bioinformatics students. (Invited Lecture)	Tamil Nadu.	
3.	Five Day National Workshop on “Gene Transfer Technology in Plant Cells”. (Invited Lecture)	Department of Biotechnology, Mother Teresa Women’s University, Kodaikanal, Tamil Nadu.	03.09.2019 to 07.09.2019
4.	International Conference on “Innovative and Emerging Trends in Botany” - (ICIETB-2019). (Resource Person)	Department of Botany, Alagappa University, Karaikudi, Tamil Nadu.	6.11.2019 & 7.11.2019
5.	SPARC and RUSA 2.0 Sponsored “International Conference on Recent Trends in Bioplastics” (RTB-2019). (Judge)	Department of Microbiology, Alagappa University, Karaikudi, Tamil Nadu.	9.12.2019 & 10.12.2019
6.	“E-Learning Program on Bioinformatics as Cartographic tool in Drug Discovery”. (Invited Lecture)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu.	27.05. 2020
7.	International Workshop on “Frontiers of Life Sciences in Human Welfare”. (Resource person & Invited Lecture)	P.G and Research Department of Biochemistry, J. J. College of Arts and Science (Autonomous), Pudukkottai, Tamil Nadu.	16.09.2022

Date : 01.03.2024



Place : Karaikudi, Tamil Nadu

Dr. J. JOSEPH SAHAYARAYAN

Assistant Professor