

PROFILE

Name : Dr. M. SRIKUMAR
Department : BIOTECHNOLOGY
Designation : ASSOCIATE PROFESSOR
Qualification : M.Sc., M.Phil., Ph.D., (CSIR-NET)
Phone : 8870206304; 9444540194
Experience : 20 YEARS
Area of Specialization(s) : Bioactive compounds
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1	Vidwan	https://vidwan.inflibnet.ac.in/profile/582464

ACADEMIC QUALIFICATION

Degree	Branch	Institution / University Name	Year of graduation
Ph.D.	Aquatic Biology & Fisheries	Kerala University, Thiruvananthapuram	2016
M.Phil.	Marine Biotechnology	Manonmanium Sundaranar University, Tirunelveli	2000
M.Sc.	Marine Biotechnology	Manonmanium Sundaranar University, Tirunelveli	1999
B.Sc.	Zoology	Sivanti Aditanar College, Nagercoil	1997

ADDITIONAL QUALIFICATION

Diploma/ Vocational/ Certification	Area of Specialization	Institution / Agency Name	Year of graduation
MS Office	Computer Application	Jane Computers, Nagercoil	2000

RESEARCH PUBLICATIONS

International Journals	
1	Raj Kumar Gautam, Pankaj Kumar Singh, Krishnan Sakthivel, K. Venkatesan, Shyam S. Rao, M. Srikumar , Joshitha Vijayan, B. Rakesh, Soham Ray, Jameel Akhtar, Bharat Raj Meena, Sapna Langyan, Sharik Ali and S. L. Krishnamurthy (2023) Marker-assisted enhancement of bacterial blight (<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>) resistance in a salt-tolerant rice variety for sustaining rice production of tropical islands, <i>Front. Plant Sci.</i> 14:1221537. doi: 10.3389/fpls.2023.1221537

2	Raj Gautam, P K Singh, K Venkatesan, B Rakesh, K Sakthivel, S Swain, M Srikumar , S K Zamir, K Devkumar, Shyam Sunder Rao, V Joshitha, Sharik Ali and Sapna Langyan, (2022) Harnessing intra-variety variation for agro-morphological and nutritional traits in a popular ricelandrace for sustainable food security in tropical islands, <i>Front. Nutr.</i> 10:1088208. doi: 10.3389/fnut.2023.1088208
3	Deepa. S. and Srikumar. M. (2022) Bioinformatics tools for genome mining of marine associated bacteria, <i>Informatics studies</i> , 3(9): 25-30
4	Gautam, R.K., M. Srikumar , P.K. Singh, A.K. Singh, K. Sakthivel, Israr Ahmad and K. Devakumar, 2015. Polymorphism between popular rice varieties of Andaman and bacterial blight resistant donor IRBB60 revealed through highly variable SSR markers, <i>Vegetos</i> , 29: 1-5.
5	Gautam, R.K., P.K. Singh, K. Sakthivel, M. Srikumar , N. Kumar, K. Kumar, A.K. Singh and S.D. Roy, 2014. Analysis of pathogenic diversity of the rice bacterial blight pathogen (<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>) in the Andaman Islands and identification of effective resistance genes, <i>J. Phytopathol.</i> doi: 10.1111/jph.12338
6	Deepa, S., M. Srikumar and K. Padmakumar, 2014. Antifouling potential of selected macroalgae from the Gulf of Mannar, India, <i>Int. J. Bioassays</i> , 3 (11), 3479-3487.
7	Deepa, S., M. Srikumar and K. Padmakumar, 2014. Antifouling potentials of selected mangroves from Indian coast. <i>Inter. J. Natural Products Res.</i> , 4(2): 54-57.

National Journals

1	Srikumar, M. , N.V. Vinithkumar and R. Kirubakaran (2017), Edible seaweed from Andaman Nicobar Islands, <i>A quarterly from Andaman and Nicobar Administration</i> , 03-05.
2	Deepa, S. and M. Srikumar , 2009. Effect of <i>Ganoderma lucidum</i> extract on kidney tissue of the <i>Ratus norvegicus</i> , <i>J. Ecobiology</i> , 24(2), 79-82.

BOOKS/REPORTS/CHAPTERS/GENERAL ARTICLES ETC.

S. No.	Title	Author's Name	Publisher	Year of Publication
1	Methods and Choices to Career Discovery of Teens	Dr. M. Srikumar and Dr. S. Deepa	Author	2025 (to be published on 15 Jan. 2025)

AWARDS / OTHERS

1.	Gold medal received for securing "I" rank in the M. Phil degree by the Manonmanium Sundaranar University, Tirunelveli, Tamilnadu
2	Joint CSIR – UGC NET exam qualified for Lectureship - 2004
3	Examiner – UG/PG Board, University of Madras, Chennai, 2008 - 2012.
4	Examiner – UG/PG Board, Periyar University, Salem, 2019 – till date
5	Academic Counsellor, Indira Gandhi National Open University, New Delhi, India

PRESENTATIONS IN CONFERENCE

1	Dhejaswini, S. and Srikumar, M. (2024) Survey on the preference of hydroponically grown leafy vegetables among the students of Sankagiri taluk, 2 nd National Conference on futuristic trends in biological sciences for sustainable development (NCFTBSD-2024), Vivekanandha Arts and Science College for Women, Veerachipalayam, Sankagiri, Salem, India, 29 Feb. 2024.
2	M. Srikumar and Deepa, S. (2019)“Perception survey on seaweed consumption as an alternate food among late adolescent girls of northern parts of Kongu region of Tamilnadu”, National Conference on “Emerging Trends in Algae” 28 th to 29 th November, 2019, Tirunelveli, Tamilnadu
3	Srikumar M., S. Deepa, Dilip Kumar Jha, D. Mahesh Peter, T. Sreelatha, N.V. Vinithkumar and R. Kirubakaran (2016), Studies on nutraceutical properties of macroalgae based functional food, <i>National conference on recent trends in Biotechnology (Biotrends 2016)</i> , Chennai, India. 19 th to 21 st October 2016.
4	Deepa, S., M. Srikumar , B. Meena, Benjamin Franklin, N.V. Vinithkumar and R. Kirubakaran, Evidence for Acyl Homoserine Lactone signal production in mangrove biofilm bacteria from Bay Islands, India. <i>National conference on recent trends in Biotechnology (Biotrends 2016)</i> , Chennai, India. 19 th to 21 st October 2016
5	Srikumar, M., K. Padmakumar, S. Deepa and D.R. Singh , 2012. Studies on mycosporine like aminoacids composition of green alga <i>Enteromorpha compressa</i> , <i>Proceedings of national seminar on Innovative technologies for conservation and sustainable utilization of island Biodiversity-2012</i> , 20 th to 22 nd December, Port Blair, India.
6	Srikumar, M., S. Deepa, S. and K. Padmakumar , 2011. Studies on quorum quenching in the selected marine bacteria, <i>National conference on explorations of the natural bioactive compounds from the marine resources- BIOACTIVA-11</i> , 10-11 February, Trichy, India.
7	Srikumar, M., S. Deepa and K. Padmakumar , 2008. Microbial diversity of sponge <i>Callyspongia diffusa</i> and <i>Mycale mytilosum</i> , <i>6th National conference on Microbial ecology, Biodiversity, Molecular techniques and its Prospects</i> , 12-13 December, Namakkal, India.
8	S. Deepa, Srikumar, M. and K. Padmakumar, 2008. Microfouling on macroalgal surface, <i>6th National conference on Microbial ecology, Biodiversity, Molecular techniques and its Prospects</i> , 12-13 December, Namakkal, India.
9	Srikumar, M. and B. Ramesh, 2008. Direct transesterification of <i>Nelumbo nucifera</i> triglycerides for biodiesel production: Optimisation studies, <i>Proceedings of International seminar and workshop on Sustainable Utilisation of Tropical Plant Biomass</i> , 15 th to 16 th December, Thiruvananthapuram, India.
10	Srikumar, M., S. Deepa and K. Padmakumar , 2008. Siderophore production by the sponge <i>Callyspongia diffusa</i> associated fungi, <i>Proceedings of National seminar on Bioactive compounds from marine organisms</i> , 14 th to 15 th March 2008, Cochin, India.
11	Srikumar, M. and S. Deepa, 2008. Species specific sarcomeric protein in closely related lobster, <i>National seminar on Food Processing and nutritional scenario in India</i> , 11-12 March 2008, Salem, India.
12	Padmakumar, K., M. Srikumar and S. Deepa, 2006. Antifouling activity of marine sponges, In: <i>7th International sponge symposium-book of abstracts, Museu Nacionol, Serie Livros, Mexico</i> , pp. 29.

PARTICIPATION IN SEMINARS

1	Awareness programme on “Stress Management” organised by the Department of Biotechnology, Vivekanandha Arts and Science College for Women (Autonomous), Tiruchengode, Namakkal, Tamilnadu, 29 th April 2023.
2	Webinar on “Ocean Technologies in India” (AGORA – 2021), Organised by Ocean Society of India – Cochin Chapter and Sree Narayana College, Kollam, 08 June 2021 at Zoom platform

3	Innovative Technologies for Conservation and Sustainable utilization of island Biodiversity(NSCIB – 2012), Central Agricultural Research Institute, Port Blair, 20 - 22 December 2012.
4	Genomics and Transgenics – Challenges and Prospects, Dept. of Biotechnology, University of Kerala, Thiruvananthauram, India, 14 November 2008.
5	International Conference on Disease Management for Sustainable Fisheries (ICON-DMSF, 2003), University of Kerala, Thiruvananthapuram, Kerala, India, 25 th to 28 th August 2003.

PARTICIPATION IN WORK SHOP

1.	Work shop on “Awareness and Internal Auditor Training with ISO 9001:2015”, Vivekanandha Arts and Science College for Women, Veerachipalayam, Sankagiri, Salem, 10 th to 11 th March 2023.
2	Hands on training in “Laboratory Animal Handling Techniques”, Swamy Vivekanandha College of Pharmacy, Elayampalayam, Tiruchengode, Namakkal, 23 rd February 2023.
3	Workshop on “Bioinformatics tools with reference to targeted gene sequencing and analysis”, Regional Medical Research Centre, Port Blair, Andaman & Nicobar Islands, India 26-27, March 2015.
4	Workshop on “Statistical Genetics”, Cochin University of Science and Technology, Cochin, 29 th to 30 th December, 2009.
5	National workshop on “Bioinformatics & Cheminformatics”, Ayya Nadar Janaki Ammal College, Sivakasi, Tamilnadu, 18 th - 20 th December 2007.

CONFERENCE / SEMINAR / WORKSHOP ORGANIZED

1	Local Organizing Committee Member in the International Conference on South Asia Thematic School in Aquatic Microbial Ecology (ASIAME 2), held in Port Blair, Andaman & Nicobar Islands, 6 November 2017 to 18 November 2017.
2	Organized five days workshop on “Application of Science and Technology in Rural Areas” (ASTRA 2011-12), sponsored by the Tamilnadu State Council for Science and Technology (TNCST), Chennai and Sri Sankara Arts and Science College, Kanchipuram. 20 February 2012 to 25 February 2012.
3	Organized National Seminar on Frontiers in Life Sciences, Sri Sankara Arts and Science College, Kanchipuram, 11 January 2012.
4	Organized National Seminar on Recent Advances in Microbial Biotechnology, Sri Sankara Arts and Science College, Kanchipuram, 06 December 2011.
5	Organized National Seminar on Nanobiotechnology (Neophyte – 2010), Sri Sankara Arts and Science College, Kanchipuram, 18 August 2010.

INVITED SPEAKER/ SESSION CHAIR – CONFERENCE / SEMINAR / WORKSHOP

1.	Delivered Guest lecture in the “Scientific Awareness Programme for School students of Kanchipuram, Thiruvallur and Vellore Districts, Sponsored by the Tamilnadu State Council for Science and Technology (TNCST), Chennai and organized by Sri Sankara Arts and Science College, Kanchipuram, 28 December 2007.
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2	Delivered Guest lecture in the “Inservice Training Programme for Govt. Hr. Sec. School Biology Teachers, Sponsored by the Tamilnadu State Council for Science and Technology (TNCST), Chennai and Organized by the Sri Sankara Arts and Science College, Kanchipuram, 27 July to 29 July 2006
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