

Name : J. Stella Mary

Designation : Assistant Professor

Department : Zoology

Date of Joining : 29.09.2009

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Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
B.Sc	Biotechnology	Sri Kaliswari College, Sivakasi	2007
M.Sc	Microbiology	The American College, Madurai	2009
M.Phil	Microbiology	Prist University	2010
Ph.D (Pursuing)	Microbiology	Madurai Kamaraj University	(Pursuing)
SET	Life Sciences	Mother Tersi University, Kodaikanal	2016

Specialisation in Teaching:

Immunology, Microbiology, Molecular Biology & rDNA technology

Specialisation in Research: Marine Biotechnology and Nanobiology

Research Interests: Potential Applications of Microbes in Environment Welfare.

Administrative /Academic Position/s (Held / currently holding):

Positions held/ Currently holding	Year – from (month/year) To (month/year)
Superintendent, Women's Hostel	September 2009 – January 2012

Other activities / Academic credentials:

- Faculty of Community College – Medical Lab Technology (2014 – 2018)
- Faculty of SLP – (Child support work in Orphanages I) (2016-2018)

- Association President of Microfiesta – Intercollegiate Event organized during 11th March 2016 and 7th March 2017 in the Dept of Immunology and Microbiology.
- External practical examiner and EOS Question setter for various colleges and Universities.

Research Guidance

- Guided academic research project – 9 PG Students
- Guided Group Projects - 2 UG Batches. (12 students)

Research Publication

Articles Published in National & International Journals

- Published a research article in JAC Journal of Science, Humanities and Management, 5(1), 2017, 224-234, ISSN 2347-9868, entitled “Antimicrobial potential of Metallic nanoparticles synthesized from Seaweeds: An Overview.”
- Published a research article in *Journal of Global Biosciences*, ISSN 2320 1355, Vol 4 (2), 2015, P: 1551-1557, entitled “Role of Reactive Nitrogen Species in Cardiac Associated Complication Among Type II Diabetic Melitus Patients”.
- Published a research article in *Asian Pacific Journal for Cancer Prevention* 13(12), 6073 -6076, Impact factor 0.659 entitled “Invitro Cytotoxic Effect of Seaweed *Sargassum sp.*, against MCF-7 and Hep-2 Cell Lines”.
- Published a research article in American Journal of Bio-pharmacology Biochemistry and Life Sciences (AJBBL) 2014 September, Vol. 4 (Suppl 1): P 67 entitled “Pytochemical characterization and antimicrobial effect of *Kappaphycusalvarezii* (sea weed) against chosen isolates.”
- Published a research article in *American Medical Journal* 1(2), 83-86,2010, ISSN 1949-0070, Science Publication entitled “Zinc Deficiency and T Cell Dysfunctioning among Human Immunodeficiency Virus Sero Positives”.
- Published a research article in *American Medical Journal* 1(2),77-79,2010, ISSN 1949-0070, Science Publication entitled“Determination of Iron Deficiency among Human Immunodeficiency Virus Sero Positives”.

Conference/ Seminar Presentations

- “Role of Microbes in Conservation of Nature” presented as a poster in the ‘National Conference Impacts of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications (EBAC-2018)’ organized by PG and Research Dept of Zoology and Dept of Immunology & Microbiology, The American College, Madurai during 2 & 3 Feb 2018.
- “Antimicrobial potential of metallic nanoparticles synthesized from Seaweeds” presented as a paper in the ‘National Seminar on Emerging Trends in Life Sciences’ sponsored by TNSCST and organized by Jayaraj Annapackiam College for Women, Periyakulam during 9th January 2018.

- “Antimicrobial and antioxidant potential of metallic nanoparticles synthesized from Seaweeds” presented as a paper in the ‘National Level Conference on Reaching the Unreached through Science and Technology for nation Building’ organized by ISCA Coimbatore Chapter held at Kongunadu Arts and Science College, Coimbatore during 09th – 11th October 2017.
- “Green synthesis of silver Nanoparticles using Marine Green Seaweeds *Halimeda macroloba* and screening its antimicrobial, antioxidant and antidiabetic activity” presented as a paper in the ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli during 01 Sep 2017.
- “Screening for antioxidants and antimicrobial activity of Brown seaweed *Padina gymnospora* ” presented as a paper in the National Seminar on Marine Resources, organized by Department of Zoology, The M.D.T.Hindu College, Tirunelveli in collaboration with Seaweed Research and Utilization Association, CAS in Marine Biology, Annamalai University during 3rd and 4th March 2016.
- “*Silicon Nanostructures for Cancer diagnosis and therapy*” presented as a poster in ICMR, DBT & INSA sponsored International Conference on cancer biology: Drug discovery and Novel Therapeutics held on 29th & 30th September 2016, organized by the Department of Zoology & Chemistry, Saiva Bhanu Kshatriya College, Aruppukottai.
- “*Lipid Oxidation in Fish Oil and Mayonnaise – Role of Seaweeds as Natural Antioxidants*” presented as a poster in the International Conference on “New Horizons, Emerging Challenges and Recent paradigms in food mediated immunity and their role in human health and longevity”, Organized at The American college, Madurai during 31st August and 1st September 2016.
- *Functional food as an effective therapeutic agent – “To promote health and to prevent disease”* presented as a poster in the International Conference on “Applications of Natural Products and Opportunities Ahead – ICAN 2016”, organized by the School of Life Sciences, B.S. Abdur Rahman University, Vandalur, Chennai, (Association with University of east London, UK) during 2nd & 3rd August 2016.
- “*Brachytherapy – An Effective Therapeutic Tool against Cancer*” presented as a poster in the National Seminar on Cancer Biology: “Drug Discovery and Novel Therapeutics” organized at Saiva Bhanu Kshatriya College, Aruppukotai during 23rd October 2015.
- “*Quantification of ROS and Its Association with Anemic Prevalence among Cancer patients With Different Type Of Cancers*” presented as a poster in the National Seminar on “Role of Immunomodulators in Cancer Therapy” (RICT 2010) organized at The School of Bio-Technology, Karunya University, Coimbatore during October 11th – 12th, 2010.
- “*Biocontrol potential of Bacillus thuringiensis, Bacillus sphaericus and Vectobac 12AS Against the Larvae of Culex quinquefasciatus*” presented as a paper in the
- National Seminar on “Conserve the Mother Earth-Need of the Hour”, sponsored by UGC, held at Jayaraj Annapackiam College for Women, Periyakulam between 9th and 10th March 2009.

- “*Effective Mechanism of Dendritic Cell Derived Exosomes Against Tumour Associated STn Antigenic Molecule*” presented as a poster in the International Colloquium on “Emerging Biotechnologies in Agriculture, Animal Health And Productivity”(ICEB’09) organized at The School of Bio-Sciences, Alagappa University, Karaikudi during February 22nd -26th, 2009.
- “*A survey about the health awareness among the paliyar tribal population of Kodaikanal*” presented as a poster in the 48th Annual Conference of AMI organized by Association of Microbiologist of India at IIT Madras during December 2007.

Conference/ Workshop Participation

- Participated in the UGC – sponsored Orientation Programme conducted by UGC – Human Resources Development Centre, Madurai Kamraj University held from 10.07.2019 to 30.07.2019 and obtained “A” Grade.
- Attended “One Day Workshop on Curriculum Development” held in PG & Research Department of Zoology at The American College, Madurai on 21 June 2019.
- Attended “Science Academic” Lecture Workshop on Recent Trends in Modern Biology held in PG & Research Department of Zoology at The American College, Madurai on 23 to 25 January 2018.
- Undergone hands on workshop programme in “*DNA barcoding*”, organized by Department of Immunology and Microbiology, the American College, Madurai, powered by EXONNS technologies, Chennai during 11th May – 13th May, 2017.
- Participated in the Academies’ Lecture Workshop on “Recent Trends in Biological Sciences” organized by Postgraduate & Research Department of Zoology, The American College, Madurai on 19th & 21st, January 2017.
- Participated in Indian Association of Gastroenterology – ISG Tamilnadu Chapter Mid Term Conference held on September 24th -25th 2016.
- Published a Book Chapter: ZEBRAFISH- A MODEL ORGANISM FOR REGENERATION STUDIES: “Plants as Immunostimulants in Fish” (2016) Darshan Publishers, Tamil Nadu, India. Pp 123 – 140.
- Participated in the All India Association for Christian Higher Education’ (AIACHE) Golden jubilee Grand Finale celebrations held at The American College, Madurai, Tamil Nadu from 7th to 11th October 2016.
- DBT sponsored National Conference on “Community Microbial Consortia and the Human Holobiont – Implications of Yet- Unculturable Microorganisms in Systemic health, Disease & Personalized Medicine, organized by The American College, Madurai, during 7 and 8 December, 2015.
- Immunology Today in the Commemoration of the “*World Immunology Day 2015*” organized by Aravind Medical Research Foundation, Madurai, TamilNadu, India, on 29th April, 2015.
- 4th Conference on Medical Arthropodology on “*Advancement in Vector and Vector borne disease Control researches: Lab to field*” organized by Centre for Research in Medical Entomology (ICMR), Madurai, TamilNadu, India, during 20 - 21 December, 2010.

- Undergone a training programme in the “*National JALMA Institute for Leprosy and Other Mycobacterial Diseases*” [ICMR], TajGanj, Agra for a period of 15 days from 20th June – 5th July, 2009.
- Training Programme in the “*Division of Cancer Research, Regional Cancer Centre,*” Thiruvananthapuram for a period of 15 days from 5th – 19th May, 2008.
- Second Conference on Medical Arthropodology on “*Climate change and Vector borne diseases*” organized by Centre for Research in Medical Entomology (ICMR), Madurai, TamilNadu, India in Collaboration with Entomology Academy of India, during 15-16 December, 2008.
- International Conference on “*Genetic and Molecular Diagnosis in Modern Medicine*” organized by Kamineni Education Society, Hyderabad, at MCR HRD institute Hyderabad during January 2008.