

CURRICULUM VITAE

Dr.S.JAYASHANTHINI

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Career objective

To utilize and enhance my technical and teaching skills in biology towards challenging career that provides opportunities for improving my level of competency and reliability. Interested to work in a challenging and learning atmosphere, which should give me an opportunity to deliver the best out of me.

Research Experience

Two years research experience as Junior Project Fellow in ICFRE funded project at IFGTB, Coimbatore.

Professional record

Ph.D in Zoology Bharathiar University, Coimbatore (2019-2023).

M.Phil. Zoology from Bharathiar University, Coimbatore (2015-2016).

M. Sc. Zoology from Bharathiar University, Coimbatore (2013-2015).

B. Sc. Advanced Zoology and Biotechnology from P.S.G.R Krishnammal college for women, Coimbatore (2010-2013).

H.S.C from P.S.G.G Kanya Guru Gulam HS School for Girls, Coimbatore (2009-2010)

S.S.L.C from P.S.G.G Kanya Guru Gulam HS School for Girls, Coimbatore (2007-2008)

Academic project

Ph.D Project

Biogenesis of cadmium nanoemulsion using seed oil *Simarouba amara* for the control of malarial vector *Anopheles stephensi* and its vector *Plasmodium falciparum* and ameliorating effect on freshwater crab *Spiralothelphusa hydrodroma*

M.Phil. Project

“Studies on the green synthesized silver nano particles against malaria vector (*Anopheles stephensi*) and anti-plasmodial activity by using wild mushroom (*Marasmius oreades*)”.

PG Project

Nematicidal activity of Green Synthesized nanoparticle on Root-Knot Nematode *Meloidogyne incognita* using aqueous leaf extract of *Phyllanthus maderaspetans* and *Crotalaria verrucosa*.

Publication

1. **Jayashanthini S***, Murugan K, (2022) Phytochemical screening of *Simarouba amara* seed oil: A potent Mosquitocidal effect against malarial vector, *Anopheles stephensi*. International Journal of Entomology Research. 7(8), pp.30-36.
2. **Jayashanthini. S**, Rathinam K. S, Lakshmidhevi R, Sumathi R, Murugesan S, Senthilkumar N * (2019) Physicochemical characterization of seed oil of *Simarouba glauca* dc. From south India International Journal of Pharmaceutical and Biological Science Archive
3. Murugan, K., Subramaniam, J., Rajaganesh, R., Panneerselvam, C., Amuthavalli, P., Vasanthakumaran, M., **Jayashanthini, S.**, Dinesh, D., Anitha, J., Wang, L. and Hwang, J.S., 2021. Efficacy and side effects of bio-fabricated sardine fish scale silver nanoparticles against malarial vector *Anopheles stephensi*. *Scientific Reports*, 11(1), pp.1-12.
4. Kadarkarai Murugan Anitha Jaganathan Udaiyan Suresh Rajapandian Rajaganesh **Sudalaimani Jayashanthini** Akon Higuchi Suresh Kumar Giovanni Benelli (2017) Towards Bio-Encapsulation of Chitosan-Silver Nanocomplex? Impact on Malaria Mosquito Vectors, Human Breast Adenocarcinoma Cells (MCF-7) and Behavioral Traits of Non-target Fishes Journal of cluster science
5. Kadarkarai Murugan Devaraj Nataraj Anitha Jaganathan Devakumar Dinesh **Sudalaimani Jayashanthini** Christina Mary Samidoss Manickam Paulpandi Chellasamy Panneerselvam Jayapal Subramaniam Al Thabiani Aziz Marcello Nicoletti Suresh Kumar (2016) Nanofabrication of Graphene Quantum Dots with High Toxicity Against Malaria Mosquitoes, *Plasmodium falciparum* and MCF-7 Cancer Cells: Impact on Predation of Non-target Tadpoles, Odonate Nymphs and Mosquito Fishes Journal of cluster science
6. Rajapandian Rajaganesh , Kadarkarai Murugan, Chellasamy Panneerselvam, **Sudalaimani Jayashanthini**, Al Thabiani Aziz, Mathath Roni, Udaiyan Suresh, Subrata Trivedi, Hasibur Rehman , Akon Higuchi d, Marcello Nicoletti , Giovanni Benelli (2016) Fern-synthesized silver nanocrystals: Towards a new class of mosquito oviposition deterrents? research in veterinary science
7. Priya Anbazhagan Kadarkarai Murugan Anitha Jaganathan Vasu Sujitha Christina Mary Samidoss **Sudalaimani Jayashanthani** Pandian Amuthavalli Akon Higuchi Suresh Kumar Hui Wei Marcello Nicoletti Angelo Canale Giovanni Benelli (2016) Mosquitocidal, Antimalarial and

Antidiabetic Potential of *Musa paradisiaca*-Synthesized Silver Nanoparticles:*In Vivo* and *In Vitro* Approaches Journal of cluster science

Workshop / Conference Participation

104th Indian Science Congress at Sri Venkateswara University held on 3-7 Jan, 2017.

ICMR Sponsored National Conference on “Insights of Genetics in Molecular Medicine” at Bharathiar University held on 9th & 10th March, 2017.

Invited lecture on “One day Awareness Program on Down Syndrome” at Bharathiar University held on 17th Mar, 2017.

Science Academies’ Lecture Workshop on Biological Sciences entitled “Research Prospects and Applications” at Karpagam University held on 25th & 26th Sep, 2014.

‘3’rd International Congress on “Global Warming on Biodiversity of Insects: Management and Conservations Strategies” at Bharathiar University held on 26th to 28th, Nov, 2013.

Workshop on “Recent Advances in Aquatic Research” at kongunadu Arts and Science College held on 12th Dec, 2013.

Hands on training/ Refresher course / Internship Training

Participated in Two days Hands on training Programme on ICP-MS at Bharathiar University held on 23rd and 24th Mar, 2021.

Participated in fourteen days Refresher Course on “Insect Bio-resources and Human Welfare “at St.Xavier’s college Palayamkottai held on 18th -31st Aug, 2018.

Internship Training on “Microbiology, GIS & Remote Sensing, Forest Genetics Resource Management and Bioprospecting module” during 14th -30th May, 2018 at Institute of Forest Genetics and Tree Breeding, Coimbatore.

Paper Presented At International Symposium

Paper presented entitled “*Marasmius oreades* mediated silver nanoparticle synthesis: An Ecofriendly tool against *Anopheles stephensi* and its effect on predatory copepods” International Symposium on Agriculture & Environment (ISAE 2020) Faculty of Agriculture, University of Ruhuna, Mapalana, Kamburupitiya, Sri Lanka held on 14th February 2020.

Poster Presentation At National Conference

Best poster awarded entitled “The potentials of Aquaculture Development in Ornamental fishes” National Conference on “Biotechnological Approaches in Aquaculture” conducted at Bharathiar University held on 2012

Paper presentation entitled “Impact of climate change on beneficial insects” International Congress on “Global warming on Biodiversity of Insects: Management and Conservation Strategies” held on 26th to 28th Nov, 2013

Technical Skills

Chromatographic Techniques

Fluorescence Microscopy

Agarose gel Electrophoresis & PAGE

Pest control

GIS

Certificate course

Vermiculture and Mushroom culture

Yoga course

English Communication and Basic Corporate Etiquette

Declaration

I hereby declare that the above information furnished is true to the best of my knowledge.

Yours Faithfully,



(S.JAYASHANTHINI)