



SRINIVASAN R

PERSONAL

PROFILE

Extremely motivated to constantly develop my skills and make useful to human populations. I am confident in my ability to come up with interesting ideas for unforgettable knowledge sharing to the students.

CONTACT

58, Vattaparappu,
Sirumolasi (P.O),
Tiruchengode (T.K),
Namakkal, TN. 637209

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7339550527

Father's name: V.S. RAMASAMY

Sex : Male

Nationality : Indian

Marital status: Unmarried

D.O.B : 08.08.1994

EDUCATION

- 2018 - 2023 **Ph.D., Biotechnology (FT)**
K.S.Rangasamy College of Arts and Science (A),
Tiruchengode – 637 215,
Tamil Nadu, India.
Status - Completed (**Highly recommended**)
- 2016 - 2018 **M.Sc., Biotechnology**
K.S.Rangasamy College of Arts and Science (A),
Tiruchengode – 637 215,
Tamil Nadu, India.
Percentage of Marks– 66.7%
- 2013-2016 **B.Sc., Biotechnology**
K.S.Rangasamy College of Arts and Science (A),
Tiruchengode – 637 215,
Tamil Nadu, India.
Percentage of Marks– 77.7%
- 2009-2011 **HSC**
Gandhi Matric and Hr. Sec. School,
N.Kandampalayam,
Namakkal-637 203,
Tamil Nadu, India.
Percentage of Marks– 65.4%
- 1999-2009 **New Oxford Matriculation School,**
Karattupalayam,
Tiruchengode -637 209,
Tamil Nadu, India.
Percentage of Marks– 77.6%

AREA OF INTEREST

- Plant tissue culture
- Bioinformatics
- Microbiology
- Animal cell culture technology

SKILLS

- Well known for reading, write and speak in Tamil and English
- Successful working in a team environment, as well as independently.
- The ability to work under pressure
- The ability to follow instructions and deliver quality results

ACHIEVEMENTS

- Won 1st prize in poster presentation conducted by PG research Centre in Biotechnology, M.G.R College, Hosur.
- Secured 3rd Rank with percentage of 77.7% in UG semester examination.

DISSERTATION

Ph.D:

“Enhancement of aervine from *Aerva javanica* by *Agrobacterium* mediated transformation and its potential application as an anticancer drug”

M. Sc:

“Formulation of *Rhizobium* source for optimal nutrient medium for the growth of *Passiflora foetida*”

B. Sc:

“Virulent Bacteriophages for effective Bio-control of fowl Cholera in Chickens”

List of research publications in national and international journals.

1. **Srinivasan, R.**, Kamalanathan, D., Rathinavel, T., Iqbal, M. N., & Shanmugam, G. (2023). Anti-cancer potentials of aervine validated through *in silico* molecular docking, dynamics simulations, pharmacokinetic prediction and *in vitro* assessment of caspase-3 in SW480 cell line. *Molecular Simulation*, 49(8), 799-815 (**Impact factor. 2.34**). [doi./10.1080/08927022.2023.2193646](https://doi.org/10.1080/08927022.2023.2193646)
2. **Srinivasan, R.**, Kamalanathan, D., Boobalan, S., Saranyaa, V., Mouliganesh, S., & Seenivasagan, R. (2023). *Agrobacterium rhizogenes* influences aervine enhancement in hairy root culture of *Aerva javanica* (Burm. f.) Juss. ex Schult and *in silico* assessment of human breast cancer activity. *Journal of Applied Biology and Biotechnology*, 11(4), 148-158. [doi./10.7324/JABB.2023.23350](https://doi.org/10.7324/JABB.2023.23350) (**Scopus indexed**).
3. **Srinivasan, R.**, Kamalanathan, D., Boobalan, S., & Karthikeyan, M. (2024). Comparative phytochemical analysis and antimicrobial activity of methanol extracts of Hairy roots and wild roots from *Aerva javanica* (Burm.f) Juss. ex Schult. against selected pathogenic microorganisms. *Research Journal of Biotechnology*. 19(3), 13-19. <https://doi.org/10.25303/1903rjbt013019> (**Scopus indexed**).

Book chapters published in National and International Conference

1. **Ramasamy Srinivasan**, Selvakumar Boobalan, Selvam Ramarajan and Desingu Kamalanathan (2022). Molecular insights of aervine as a promising drug in targeting different breast cancer receptors. e-proceedings of International conferences on recent advances in allied health and biological sciences research. pp. 30. **ISBN – 978-93-93968-05-0**.

REFERENCE

Dr. D. Kamalanathan

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Department of Biotechnology,
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Dr. S. Boobalan,

Assistant professor
Department of Biotechnology,
K.S. Rangasamy college of Arts and Science (A),
Tiruchengode – 637 215,
Tamil Nadu, India.

Dr. M. Prasanna Rajeshkumar,

Vice Principal,
K.S. Rangasamy college of Arts and Science (A),
Tiruchengode – 637 215,
Tamil Nadu, India.
Mobile No: +91 9994505152

2. **Srinivasan R**, Boobalan S and **Kamalanathan D** (2021). Enhanced production of secondary metabolites from hairy root cultures of *Aerva javanica* (Burm. F.) Juss. Ex Schlut. *Advancements in Arts, Science and humanities (VICAASH-2021)* pp. 325-334 ISSN: 0025-0422.
3. Boobalan S, **Srinivasan R** and Kamalanathan D (2020) Liquid chromatographic ESI-MS profiling of alkaloids extracted from *Aerva javanica* and its antibacterial screening. *A Book of Original Research Articles Submitted for publication in An Insight on Environmental Toxicology.* pp. 284-299. **ISBN: 978- 93-5396-157-2.**

Poster/Oral Presentation (Conferences/symposium)

1. Presented a paper in International conference on Recent Advances in allied health Science and biological Science Research, organized by School of Allied Health Sciences, Reva University, Bangaluru, India Entitled as “Molecular Insights of Aervine as A Promising Drug In Targeting Different Breast Cancer Receptors” on 18.11.2022 and 19.12.2022.
2. Participated two days International Virtual Conference on Innovations and Recent Trends in Genomic Research - ICITGR' 20 held at Bannari Amman Institute of Technology, Sathyamangalam, Erode on 30.07.2020 and 31.07.2020.
2. Presented paper entitled “*Rhizobacterium rhizogenes* Mediated Transformation of Hairy Root Cultures in *Aerva javanica* for Efficient Production of Phenolic secondary metabolites” SERB & CSIR sponsored national conference on “Biotechnological Intervention for Sustainable Crop Improvement” (BISCI- 2020) Organized by Department of Biotechnology, Periyar University, and Salem on 13.02.2020 and 14.02.2020.

3. Presented a paper entitled “Liquid chromatographic ESI-MS profiling of alkaloids extracted from *Aerva javanica* and its antibacterial screening”. Sponsored by CSIR, GOI-MOES and UGC Organized by PG and Research Center in Biotechnology held at MGR College, Hosur on 30th and 31st January 2020.
4. Presented a paper entitled “bio active metabolites by an endophytic fungus extracts against human disease causing microbes” at an international conference on Bio Science and Industrial Applications held on 16th February 2018, conducted by Department of Biochemistry and Microbiology, Sri Ramakrishna College of Arts and Science for Women, Coimbatore.
5. Presented a paper entitled “Optimization of alkaloid separation from *Aerva javanica* (Burm.f) Juss. Ex Schult and its bactericidal activity against multi drug resistant human pathogens” SERB, Govt. of India and Indian Science Congress Association Sponsored International Conference on ‘Impact of Innovations in Science and Technology-For Societal Development Organized by Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore held during 19.9.2019 to 21.9.2019.

Work shop Participation.

1. Participated national level workshop on Data analysis using R programming for Biologist, organized by Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Deemed to be University, Coimbatore held on 27.01.2024.
2. Participated workshop on AICTE sponsored one week short term training programme, Organized by Department of Biotechnology, K. S. Rangasamy college of Technology (Autonomous), Tiruchengode. Entitled as “Practical approach on Next generation sequencing technologies and data analysis towards health care” on 04.01.2021 to 09.01.2021 (Slot-2).

3. Participation of one day national level workshop on “Planning and Writing successful Grant Proposal in the Science, Arts and Humanities” held on 6th July 2019 at Kongu Arts and Science College (A).
4. Participated one day national Workshop for Research Scholars regarding paper writing was held at Periyar University, Salem on 28.11.2019

DECLARATION

I hereby declare that the above particulars are true to my knowledge.

DATE: 30.07.2024

PLACE: KSRCAS

Yours

(R.SRINIVASAN)