

Dr. Rajan L Fradlin Singh M.Sc, Ph.D., (Agricultural Microbiology)

Bethel cottage

Jai Nagar, Pechipparai

Kanyakumari District,

Tamil Nadu, India

Email:fradlinsinghrajani@gmail.com



PROFILE

Motivating and talented professional driven to inspire students to pursue academic and personal excellence. Strives to create a challenging and engaging learning environment in which students become lifelong scholars and learners. Have practical knowledge in microbiological lab works in the field of agriculture.

EDUCATION QUALIFICATION

| Exam Passed | Board/ University | Subjects | Year | Marks obtained/ OGPA | Division/Grade Merit etc. |
|-------------------------------------|--|--|-----------|----------------------------|------------------------------|
| Ph.D. (Ag.) Research Degree | Annamalai University | Agricultural Microbiology | 2020-2023 | 8.83 | First class |
| M. Sc. (Ag.) Master's Degree | Annamalai University | Agricultural Microbiology | 2018-2020 | 8.02/10.00 | First class |
| B.Sc. (Ag.) Bachelor's Degree | Annamalai University | Agriculture | 2014-2018 | 7.31/10.00 | First class |
| H. Sc. | Board of Higher Secondary Education | Physics, Chemistry, Botany and Zoology | 2014 | 959/1200 | |
| S.S.L.C. | Board of Secondary Education | | 2012 | 383/500 | |

Research Title in Master's Degree

Studies on the Development of Anaerobically digested distillery effluent for mass production of *Spirulina platensis*.

Research Title in Doctorate Degree

Development of Liquid formulation of Bioinoculant consortium and their efficacy studies on Brinjal (*Solanum melongena* L).

Area of Specialization: Food Microbiology, Soil microbiology, Bio inoculant formulation technology.

Fellowship awarded during Doctoral degree: Rajiv Gandhi National Fellowship and Scholarship for Higher education for ST students.

PUBLICATIONS

| S. No. | Authors | Title of the Paper | Journal Published |
|--------|---|--|--|
| 1. | Kumaresan G, Rajan L Fradlin Singh and Sivasakthivelan P. | Phytoremediation of distillery effluent using <i>Spirulina platensis</i> | Journal of Pharmacognosy and Phytochemistry 2019 ; SP2: 635-637 |
| 2. | Kumaresan G, Sivakumar K and Rajan L Fradlin Singh . | Effect of abiotic factors on the growth of <i>Spirulina platensis</i> Strains | Plant Archives. Vol. 20, Supplement 2, 2020 pp. 4259-4263 |
| 3. | Kumaresan, G, Jayachitra J, Rajan L Fradlin Singh and Shanthi R. | Field evaluation of different formulations of <i>Azospirillum</i> and Phosphobacteria inoculants on maize crop. | Indian Journal of Natural Sciences. 2022 . 13(74), 47965-47970. |
| 4. | Kumaresan G, Muthamilarasi B and Rajan L Fradlin Singh . | Co inoculation effect of liquid formulation of Rhizobium and Phosphobacteria on growth and yield of groundnut (<i>Arachis hypogea</i> L.) | Indian Journal of Natural Sciences. 2022 . 13(74), 48195-48200 |
| 5. | G. Kumaresan, Rajan L Fradlin Singh and Muthamilarasi B. | Interaction effect of liquid formulation of <i>Azospirillum</i> and Phosphobacteria on | Indian Journal of Natural Sciences. 2022 . 13(74), 47545-47550 |

| | | | |
|----|--|---|--|
| | | growth and yield of tomato | |
| 6. | Rajan L Fradlin Singh and G. Kumaresan | Isolation and Analyzing of Plant Growth Hormone Production by Phosphate Solubilizing Bacteria | Indian Journal of Natural Sciences. 2023 . 14(18), 61212-61220. |
| 7. | Rajesh C, Kumaresan G and Rajan L Fradlin Singh | Isolation, Identification of Phosphate Solubilizing bacteria (PSB) isolated from Onion fields | International Journal of Pharmaceutical Research and Applications. 2023 . 8(6), 2767-2771 |

POPULAR SCIENCE ARTICLES

| S. No. | Authors | Title of the Paper | Journal Published |
|--------|---|--|---|
| 1. | Rajan L Fradlin Singh , Kumaresan G and Santhana Bharathi S. | A note on Pink Pigmented Facultative Methyloph (PPFM). | Farm chronicle. Vol.02(13), August 2023 , pp.16-17 |
| 2. | Rajan L Fradlin Singh and Santhana Bharathi S. | Azolla production and their benefits in agriculture | Agrigate. Vol.4(05), May, 2024, pp.44-47 |
| 3. | Rajan L Fradlin Singh and Santhana Bharathi S. | Bioluminescence a Natural Phenomenon | Agrigate. Vol.4(07), July 2024, pp.512-516 |

PATENT

| S. No. | Authors | Title | Patent No |
|--------|--|------------------------------------|------------|
| 1. | Anbu Selvan. A, Manisha. R, Abinaya. S, Rajan L Fradlin Singh | Fungal Infection Identifier Device | 414750-001 |

TRAINING PROGRAMME ATTENDED

1. Seven-day **International Training** Programme on **Drone Manthan** jointly organised by **DFSRDA-NAHEP, VNMKV, Parbhani & Just Agriculture Education Group** from 20-26 November, 2022.
2. RUSA 2.0 Sponsored Short term training Programme on **Entrepreneurship Through Organic Farming (STTP-ETOF-2023)** organized by the Department of Agricultural Microbiology Faculty of Agriculture, Annamalai University and Equal opportunity cell-SC/ST, Annamalai University during 17th to 21st April, 2023.

SEMINAR/CONFERENCE PARTICIPATED AND PRESENTED

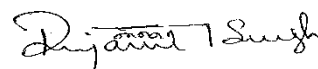
1. **Participated** in **UGC SAP DRS-II** sponsored workshop on **Abiotic Stress Tolerance in Crop Plants** held on 11-10-2018 and 12-10-2018 in the Department of Genetics and Plant Breeding, Faculty of Agriculture, Annamalai University.
2. **Presented** an oral poster entitled **Growing of *Spirulina platensis* using anaerobically digested distillery effluent** in the **National conference on Novel Microbial Technologies for Sustainable Agriculture and Allied Industries (NMTSAAI-2019)** held during 28th and 29th January, 2019 at the Department of Agricultural Microbiology Faculty of Agriculture, Annamalai University.
3. **Presented** an oral poster entitled **Plant Growth Promoting Rhizobacteria for the Growth Enhancement in Tomato** in the **National seminar on Competence in Biological Science (CBS-2019)** held during 15th February, 2019 at the Department of Microbiology and Biotechnology at Sri Ganesh College of arts and Science, Salem, Tamil Nadu.
4. **Participated** in UGC-SAP Sponsored one day National seminar on **Marine Resources including Mangroves-A Promising Future** organised by Centre of Advance Study in Marine Biology, Faculty of Marine sciences, Annamalai University, Parangipettai during 11th March.
5. **Presented** oral paper entitled **Interaction effect of liquid formulation of *Azospirillum* and Phosphobacteria on growth and yield of groundnut** in the DST PURSE II sponsored **National Seminar on Revitalizing Soil Health Through Natural Resource Management in a Climate Change Era (RSHNRM,21)** held on 28th and 29th March-2022.

PERSONAL PROFILE

- Father's name : S. Rajan
- Mother's name : V. Laila Jenat Bai
- Address : Bethel cottage, Opposite government higher secondary school, Jai nagar, Pechipparai
- Date of Birth : 06-03-1996
- Age : 29
- Languages known to speak : Tamil, English, Malayalam
- Languages known to write : Tamil, English
- Nationality : Indian
- Marital status : Single

Declaration:

I hereby declare that all the information given above is true and correct to the best of my knowledge. All the information shared in the resume is correct and I take full responsibility for its correctness. I solemnly declare that the information in this resume is true to the best of my knowledge and belief.



Rajan L Fradlin Singh

Reference:

1. Dr. G. Kumaresan
Assistant Professor (Agricultural Microbiology)
Agriculture College and Research Institute
Tamil Nadu Agriculture University
Kurukkuthi, Kizhvelur
Nagapattinam, Tamil Nadu, India-611104
Ph: 9150089315, 8903447390
Email: microsen1974@gmail.com

2. Dr. K. Sivakumar
Assistant Professor (Agricultural Microbiology)
Horticulture College and Research Institute
Tamil Nadu Agriculture University
Pechipparai
Kanyakumarai,
Tamil Nadu, India
Ph: 9788851100,
Email: ksivamicro@gmail.com