

C.SARIHA



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RESUME

Objective

My primary research goals are directed towards understanding the basis Biotechnology & Microbiology area. I am willing to work as a key player in challenging and creative projects. To refine my knowledge and skills in my area of interest that makes me to serve to give direction to my goal of a career as a research Professional at a research organization.

Academic Background

Post Graduation

2016-2018 **M.Sc., Plant Biology and Biotechnology**
Department of Botany
KM Centre for Post Graduate studies
Pondicherry University
Pondicherry, India.
Marks Obtained-
82%

Under Graduation

2013-2016 **B.Sc., Biotechnology**
Department of Biotechnology
Indra Gandhi College of Arts and
Science Pondicherry University
Pondicherry, India.
Marks Obtained-
55%

HSLC Kannagi Government Girls Higher Secondary School
2012-2013 Pondicherry, India.
Marks Obtained-62.5%

SSLC Kannagi Government Girls Higher Secondary School
2010-2011 Pondicherry, India.
Marks Obtained-85%

Paper and poster presentation

- International Conference on **Interdisciplinary Approaches to Environment, Ecosystems & Sustainable Development** (ICIAEESD – 2020) On **February 22, 2020** delivered **Oral Presentation** in Pondicherry, India.
- “Macrofungal Diversity in Sacred Grove, Coramandel Coast of Southern India” **Poster** presented on ‘Recent Advances in Biodiversity, Biology and Biotechnology of Fungi’ & 46th Annual Meeting of Mycological Society of India (MSI)- in **national conference** (November 7th-9th -2019) in Pondicherry, India.

Personal profile:

Father name: Chakravarthy. M

Date of Birth : 24/02/1996

Age :24

Gender : Female

Marital status: unmarried

Nationality : Indian

Personality profile:

Hard working and sincere, socializing, willing to work as team, optimistic, confidence and organized.

Languages known:

Tamil and English

Institutional address:

Department of Botany,
KM Centre for PG studies,
Pondicherry,
India.

- “Macrofungal Diversity in Tropical Dry Evergreen Forest in Kodaikanal, Tamilnadu, India” **Paper** presented on **CRTMMT-2019 in International conference** (January 24th-25th-2018)
- “Antifungal Activity Of Endophytic Actinomycete isolate SGLi-12”. **Paper** presented on **ICRSPSR** in Annamalai University **International conference** (March 23-25, 2018) in Tamilnadu, India.
- “Bio Control of Soil Phytopathogens using Endophytic Actinomycete EnAs-08”. **Paper** presented on **ABSPS-2018 in national conference** (March 21st-2018) in Chidambaram, Tamilnadu, India.
- “Screening of Rhizosphere Actinomycetes Isolated from *Phyllanthus amarus schum. & Thonn* for antimicrobial activity. **Poster** presented on **ICRSPSR** in Annamalai University **International conference** (March 23-25, 2018) in Chidambaram, Tamilnadu, India.
- “Antifungal Activity of *Holoptelea integrifolia (Roxb)* plant”. **Poster** presented on **ICRSPSR** in Annamalai University **International conference** (March 23-25, 2018)
- “Pharmacological Study of *Spilanthus acmela (L.) Murr*”. **Poster** presented on **RTIP** in MTPG & RHIS **National conference** (March 31st 2017) in Pondicherry, India.
- “Screening Wild Plants for Silver Nanoparticle Synthesis – a Spectrometric Study”. **Poster** presented on **RDBS-2017** in **KMCPGS National conference** (March 2018)

Workshop experience

- “**Youth Biodiversity Congress**” organized by Biodiversity Conservation Cum Education Centre Aranya Forest Sanctuary, Auroville. 2 Days workshop (July, 2019)
- “**Eco Eureka on youth engagement workshops on nature and labs**”. A programme of NCSTC, Department of science and technology. 5 Days workshop (August 2017)
- “**Mushroom cultivation technology**” training has completed on (October 19-2015) in **ICAR** Perunthalaiavar Kamarajar Krishi Vigyan Kendra.

Research experience

- I am working in a project at **ARTS Scholarship from Institute for Research and Development (IRD) in France** the topic entitled Detoxification of Heavy Metals by using plants in Siddha Tradition during the period of February 2020 to February 2023

- I have done the project "Occurrence of gilled fungi in Puducherry, southern India (August 2018 – Feb 2020) Occurrence of gilled fungi in Puducherry" to Journal of Threatened Taxa. (**under review**)
- I have done my PG dissertation work entitled as “**Screening of antimicrobial & L-Asparaginase activity of Actinomycetes isolated from coastal sand**” in KM Centre for PG Studies. (Dec 2017-June 2018)

Area of interest

- Drug discovery
- Molecular biology & Immunology
- Microbiology
- Cancer

Techniques learned

Molecular biology

- Extraction and quantification of DNA & RNA
- Agarose gel electrophoresis
- SDS-PAGE
- Blotting techniques
- PCR

Immunology

- ELISA
- RIA

Microbiology

- Media preparation
- Subculturing and maintaining the organisms
- Antimicrobial activity test
- Optimization and production of antibiotics
- Synthesis of silver nanoparticles
- Seed germination assay
- Colony characterization
- Biochemical characterization
- Extracellular enzyme production
- Histochemical analysis

Plant tissue culture techniques

- Preparation of media
- Sterilization and inoculation of explants
- Subculturing and maintenance of plants

Chromatography techniques

- Paper chromatography
- TLC
- Column chromatography

Computer skills

- Good typing and internet browsing

Computer skills:

- DCA
- DTP
- DCA

Extracurricular Activities

- Story writing and listening songs

References

- **Dr. Romain SIMINEL (Research Co-Ordinator)**
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PALOC / IRD
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- **Dr. V. Kumaresan (Research Supervisor)**
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- **Dr. N. Balachandran (Research Co- Supervisor)**
Ecology
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- **Dr. Bijay kumar Nayak**
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Declaration

I hereby declare that the above given details are true and correct to the best of my knowledge.


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