# *CURRICULUM VITAE*

**Dr.S.Mukund PhD**

New No.27/1, Old No.13/1, Hanumanthan Royan Koil Street, Triplicane Chennai -600005. Email: dr.s.mukund@gmail.com, Mobile: **09489908640, 09600077640.**

To pursue research in a highly motivated environment that provides ample opportunities for continuous learning in field of life sciences where I can apply my knowledge, skills and hardworking abilities by taking innovative steps and remaining flexible in approach.

## EDUCATIONAL QUALIFICATION:

| S.No | Institution | Degree awarded | Year | Field of Study |
|---|---|---|---|---|
| 1 | University of Madras, | PhD | July 2016 | Clinical Microbiology-Plant Biotechnology (Antimicrobial ,Anti-cancer activity& Algal Biotechnology ) |
| 2 | Vinayaka Mission University(Distance education) | M.Phil | 2008 | Biotechnology |
| 3 | Punjab Technical University | M.Sc | 2004 | Clinical Microbiology |
| 4 | Bioinformatics Institute of India | P.G.Diploma | 2004 | Bioinformatics |
| 5 | University of Madras | B.Sc | 2002 | Biochemistry |

## *Work Experience*

- ✓ As **Lab Technician** in Baba Diagnostics from December 2004 till February 2006.
- ✓ Worked as **Clinical Microbiologist** in Vignesh Diagnostic Labs from June 2006 till May 2007
- ✓ As **Bioinformatics Research Analyst** with Aynagaran Soft solutions from 2008 June till October 2009.
- ✓ Worked in Phycospectrum Environmental Research Centre (PERC) as **Biotechnologist** from August 2013 to July 2016.
- ✓ Worked as **Research associate-Biotechnology** in Asthagiri herbal research foundation from September 2017 to March2018.
- ✓ Working as vedic microbiologist in Umelan health care from april 2018 till date

## SELECTED SKILLS AND TECHNIQUES

**Algal biotechnology**: Isolation, Identification, Culture and maintenance of Algae, mass culturing of algae, phycoremediation, environmental impact assessment study, antimicrobial activity of cyanobacteria, Algal biochar.

**Biochemistry**: Clinical biochemistry ,HPLC, GC, enzymatic antioxidants, Amino acids, estimation of vitamins, Invitro antioxidant activity, anticancer activity, Pharmacognosy, Isolation and identification of bioactive compound

**Genomics:** Protein-ligand docking analysis (Vina, PyRx, and Hex), protein modelling, data mining, PCR, Sequence Analysis & GenBank, BLAST, protein sequence analysis tools, multiple sequence alignments.
**Microbiology**: Culture techniques, Quality control/quality assessment, Antimicrobial, microscopy, clinical microbiology. Vedic microbiology etc.
**Topics worked**: Clinical microbiology, Vedic microbiology, Antimicrobial. Antioxidant potential, anticancer, insilico drug designing, genomics, clinical biochemistry, Pharmacognosy, Carbon sequestration and Phycoremediation, antilarvicidal. Algal cultivation.
**Areas of Interest**: SNPs, microbiome, Clinical biotechnology.

## PROFESSIONAL AFFILIATIONS

1. Life membership in Indian Association of Biomedical Scientists (IABMS).
2. Membership in Young Phycological Society of India (YPSI).
3. Life time member of The Indian Science Congress Association (ISCA)

## RESEARCH PUBLICATIONS -Total Publication: 25 (https://scholar.google.com/citations?hl=en&user=58v0n8cAAAAJ)

**Selected 5 publications**

**S.Mukund**, V.Sivasubramanian and N.S.Senthil kumar, In vitro antioxidant activity of the Methanolic extract of *Oscillatoria terebriformis* C.A. Agardh ex Gomont J. Algal Biomass Utln. 2013, 4 (1): 17–25 ISSN: 2229- 6905.

**S.Mukund,** V.Sivasubramanian.Anticancer activity of *Oscillatoria terebriformis*, Cyanobacteria in Human Lung cancer cell line A549.IJABPT Vol-5, Issue -2 April –June 2014, ISSN 0976-4550.

**S. Mukund** S. M. Muthukumaran , R. Ranjithkumar, V. Sivasubramanian , Evaluation of enzymatic and non-enzymatic antioxidants of *Oscillatoria terebriformis* International Journal of Institutional Pharmacy and Life Sciences 4(5): September-October 2014, 56--69.ISSN 2249 – 6807.

**S.Mukund,** N.S.Senthilkumar M.Palanisamy and V.Sivasubramanian Evaluation of enzymatic and non-enzymatic potential of *Phormidium fragile*.J.AlgalBiomass Utln. 2014, 5(2): 58-65 ISSN: 2229- 6905.

**S.Mukund**, N.S.Senthilkumar and V.Sivasubramanian.In-silico studies on metabolites of *Phormidium fragile* against colon cancer EGFR protein J.Algal Biomass Utln. 2014, 5(3): 16- 22, ISSN: 2229- 6905.

## PROJECT PROFILE

Anticancer activity of *Oscillatoria terebriformis* .Ag.a gliding, filamentous thermophilic Cyanobacterium-PhD Dissertation

Homology Modelling of Mycobacterium Tuberculosis in Sai Bio Research Institute. Chennai

Structure Based Drug Designing of Mycobacterium Leprae in Sai Bio Research Institute, Chennai.

Modified Method to Prepare Manufactured Slides for Panel Testing – P.G.Project in National Institute for Research in Tuberculosis (NIRT).

## Personal details

Languages Known: English, Tamil, Sanskirit and Hindi.
Nationality: Indian, Marital status: Single.
Date of birth :17-1-1982