

Curriculum Vitae

M. SRI ARAVIND LAL



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Career Objective

Attaining a position which provides me an opportunity to analysis and resolve challenges in the field of life science and offers sustained career development

Educational Qualification

Course	Institution	Division	Percentage	Year of Passing
M.Sc., Genomics	Madurai Kamaraj University, Madurai	First Class	74.11 %	2020
B.Sc., Biochemistry	Sourashtra College, Madurai	Distinction	86 %	2018
HSC	Sri Aurobindo Mira Matric. & Higher Sec. School, Madurai	Distinction	84 %	2015
SSLC	Sri Aurobindo Mira Matric. & Higher Sec. School, Madurai	Distinction	88 %	2013

National Level Exam Cleared

GATE – XL AIR 1957	LIFE SCIENCE	MARCH 2023
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Academic position

Position currently holding	Year- From (month/year) To (month/year)
Lecturer	February 2021- Till date

Papers in refereed Journals

- S.Priyadharshini, M. Sri Aravind Lal, A. Zibia Kasturi Gratia, M. Davamani Christober PRODUCTION AND CHARACTERIZATION OF YELLOW PIGMENT FROM POMEGRANATE AND ITS APPLICATION. **Journal of Emerging Technologies and Innovative Research (JETIR)** May 2021, Volume 8, Issue 5.

Academic Project Experience

Master of Science

- Dissertation on “**Studies on the Bio-Invasion of *Pterygoplichthys* species and their Molecular Characterization**” under the guidance of Dr. S. Chandrasekaran, Professor, Department of Plant Sciences, Madurai Kamaraj University, Madurai during November, 2019 – April, 2020.

Bachelor of Science

- **ADBT** Project dissertation under the guidance of Mrs. Saranya Devi entitled, “**Isolation of keratinolytic fungus efficient in chicken feather degradation from soil samples of Palanganatham, Madurai district, Tamilnadu**” during November, 2017- April, 2018.

Honours

- Cracked National Level Entrance test for Genomics Sciences Course and Secured **5th Rank** (2018).
- Awarded for **best performance in Biochemistry** during the academic year 2015-2016. (National Science day-2016).
- Shri. K.U.K. Ravichandran Medal for **General Proficiency in First year in Biochemistry (SF)**.
- Shri. E.A.V. Krishnamoorthy and Smt. Padmavathy Medal for **General Proficiency in Second year in Biochemistry (SF)**.
- Shri. M.S. Thangamani Medal for **Highest Mark in Part 1 Sanskrit(SF)**.
- Madurai Mel Nattamai Aaru Vaguppar Sabai Medal for securing the **Highest Mark in Part II English (SF)**.

Other Certification

- Received certificate degree on **Certificate Course In Biotechnology (CBT)** from **Sourashtra College, Madurai** (March-2017) with First class.
- Received diploma degree in **Advance Diploma in Biotechnology (ADBT)** from **Sourashtra College, Madurai** (April-2018) with First class.

Technical Skill Set

- **Molecular Biology:** Plasmid DNA and Genomic DNA isolation, RNA isolation, PCR based techniques, Restriction digestion, RT-PCR, Agarose gel electrophoresis, SDS-PAGE, Spectrophotometric analysis, Nano-Drop based quantification and structural data analysis (XRD, FTIR, NMR).
- **Microbiology:** Pure culture techniques, Gram staining, negative and spore staining, Biochemical characterization, Microscopic analysis, Bacterial growth phase analysis and Microscopic analysis (SEM), Estimation of Antimicrobial activity.
- **Biochemistry:** Paper chromatography, Thin layer chromatography, Estimation of carbohydrates, lipids, protein and Nucleic acid, Estimation of antioxidants in food samples. .
- **Bioinformatics:** BLAST analyses, Multiple sequence analyses, Phylogenetic analyses- MEGA, Primer designing, Insilico AMR analysis, Pepdraw, Homology modelling by Phyre2, Familiar with Biological (DNA-NCBI and protein, sequence and structural analyses- PDB) databases and usage of Various biological web tools, Basic knowledge in fly base (Drosophila).
- **Microbial Genomics:** Metagenome extraction from environmental sources (Bacterial Genome extraction and Quantification).