

# CURRICULUM VITAE

VENKATESAN A

Genetic Engineering

📍 CHENNAI, INDIA

✉ venkatesanarun141@gmail.com

## ABOUT ME

Enthusiastic and passionate biotechnologist looking forward to learn about the field;s emerging trends and techniques.Meticulously documents observation in acnocise and timely manner with a focus on accuracy and maintaining a sterile and organized work environment, high adaptive to diverse working condition

## EDUCATION

### Master Degree :

**SRM UNIVERSITY, Chennai**

M.Tech Genetic engineering

**Supervisor:** Dr. M. Parani, Professor, Department of Genetic Engineering,  
SRM Institute of Science and Technology, Kattankulathur Campus,  
Chennai, Tamilnadu, India.

### Bachelor Degree :

**BHARATH UNIVERSITY, Chennai**

B.Tech Genetic engineering

## PROJECT EXPERIENCE

- Expression analysis of DREB genes in *Avecinia marina* underdrought stress using PEG
- Chloroplast genome of *Ocimum basilicum var purpurascenes* bentham 1830 ( Lamiaceae)
- Phytochemical screening, Antioxidant activity, and Cytotoxicity (A549 & Vero cells) using toxified and detoxified *Struchnous-nux vomica seeds*
- Sequence analysis and transfer of bacterial NIF gene to rice for prospective nitrogen fixation

## PUBLICATION

Venkatesan A, Balaji R, Tanuja, Parani M. Chloroplast genome of *Ocimum basilicum* var. *purpurascens* Bentham 1830 (Lamiaceae). *Mitochondrial DNAB Resour.* 2024 Feb 5;9(2):252-256. doi: 10.1080/23802359.2024.2310145. PMID: 38328459; PMCID: PMC10849003.

## RESEAECH PROFILE

Google Scholar : <https://scholar.google.com/citations?user=uVZNNIYAAAAJ&hl=en>

Research Gate : <https://www.researchgate.net/profile/Venkatesan-Arunmozhi>

LinkedIn : <https://www.linkedin.com/in/venkatesan-arunmozhi-810019229/>

Orchid ID : <https://orcid.org/0000-0003-2422-4781>

## JOURNAL REVIEWER

Gene

## RESEARCH INTEREST

- Molecular Techniques
- Genomics
- Transcriptomics
- Recombinant protein
- Plant tissue culture
- Cancer Biology
- Pharmacological research
- Animal model

## TECHNICAL EXPERIENCE

- DNA & RNA isolation
- PCR, RT-PCR, qPCR
- Whole genome sequencing
- NGS data analysis
- CRISPR-Cas9 editing
- Plasmid isolation and cloning basics
- Cytotoxicity studies and cancer cell lines
- Animal model handling

## BIOINFORMATICS SKILLS

- NCBI BLAST, BLAST2GO
- ORF FINDER
- PRIMER 3 output
- MEGA
- NOVOPLASTY
- Trinity, HISAT2

## WORKSHOPS

- Participated in “**Basics Techniques in Laboratory Animal Handling and Research**” by SRM-DBT platform SRM IST, Chennai.
- Participated in “**National workshop on Zebrafish as a model for clinical research**” organized by Mahatma Gandhi medical advance research institute.
- Resource person in “**Two days workshop and hands on training on qPCR**” organized by department of genetic Engineering, SRM IST, Chennai.
- Resource person “**Genome editing by CRISPR-CAS9 system**” organized by Genomics lab, SRM IST, Chennai.

## CONFERENCE

- Participated in National Conference on “*Medical genetics and Genetic Counseling*” during February 2018, Organized by Bharath university.
- Participated in National Conference on “*Recent trends in Genetic engineering and Biotechnology*” during February 2023, Organized by SRM IST, Chennai.
- Participated and Presented in International conference on “*New horizons in Bioengineering: Fostering Academia-Industry Partnership*” during February 2024, Organized by SRM IST, Chennai.

## PERSONAL DETAILS

**Citizenship** : Indian  
**Sex** : Male  
**DOB** : 14.01.2000  
**Father's name** : Mr. S. Arun mozhi Thevar  
**Mother's name** : Mrs. Poongodi  
**Permanet Address** : 4-1-85 Pappamalpuram, Aundipatti 625512,  
Theni, Tamilnadu, India.

## REFERENCES

### 1. DR.M. Parani

**Professor,**

Genomics Laboratory,

Department of Genetic Engineering,

SRM Institute of Science and Technology,

Kattankulathur Campus, Chennai-603203, Tamilnadu, India

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### 2. DR. S. Kirankumar

**Associate Professor,**

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