



# SAJAN S R

DOB: 15-12-1998

Tel: 8921156706

Email:sajansachu007@gmail.com

Address:Sajan nivas,  
Marayamuttom, .695124,  
Thiruvananthapuram,kerala.

## Educational Qualifications

- MSc.BIOCHEMISTRY  
2020-2022,Department of life sciences, Calicut university campus.  
CGPA : 7.6
- BSc.BIOCHEMISTRY  
2017-2020,Govt. College Kariavattom, University of Kerala  
CGPA: 8.19
- HIGHER SECONDARY IN BIOLOGICAL SCIENCES  
2015-2017,Govt. Higher Secondary School,Marayamuttom.  
Percentage: 91.33
- HIGH SCHOOL  
2015,Govt. Higher Secondary School,Marayamuttom.  
Grade: 9A+,1A

## Trainings

Laboratory Animal Models And Biomethodology,29-31 Aug,2022. Department Of Veterinary Pharmacology And Toxicology ,CVAS Mannuthy,Kerala

## Skills

- Biochemical tests.
- Handling and preparation of reagents and buffers
- Microbiology skills including culturing.
- Basic Bioinformatics
- Analytical biochemistry
- Handling of biological samples including Blood.
- Various biochemical techniques
- Research methodology
- Laboratory skills
- ELISA and WIDAL test
- Molecular biology
- Computer skills including Microsoft word, excel etc.
- Fast learning
- Phytochemical extraction and purification
- Quantitative and qualitative analysis
- Enzyme assays
- Communication skills
- Time management
- DNA isolation and purification
- Spectroscopy techniques
- Electrophoresis and blotting
- Laboratory animal handling and biomethodology
- Leadership skills
- Lab ethics and management
- Scientific paper writing and presentation

## Conference Presentations

“*In vitro* phototoxicity of Squaraine, Magnesium Phthalocyanine and Rose Bengal: a comparative study.”

*9<sup>th</sup> series of Recent Biochemical Approaches In Therapeutics*, feb 1-3, 2023 .Department of Biochemistry, Kariavattom, University of Kerala.

## Key Projects

### Bachelors Project

#### **Comparative Analysis Of Methanolic Extracts Of Four Different Microgreens.**

Comparative study of phytochemical, total phenolic content, total antioxidant status and anti inflammatory properties of micro greens of fenugreek, mustard, ragi and wheat.

### Masters Project

#### ***In vitro* phototoxicity of Squaraine, Magnesium Phthalocyanine and Rose Bengal: a comparative study.**

Comparative study of phototoxicity of 3 dye based photosensitizers in terms of their ability to induce RBC photolysis, ROS generation, lipid photoperoxidation and photothrombolysis.

