

## **SYAMILY.G**

Chanthaveli, Kanichukulangara.P.O,

Cherthala, Alappuzha

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### **CAREER PROFILE**

- Hardworking, diligent and responsible
- Keen to be a researcher
- Look forward to join an enthusiastic research group where I could learn new skills and gain more experience to fulfill my dreams

### **PERSONAL DETAILS**

Nationality : Indian  
Blood group : O +ve  
Date of birth, age : 10/05/1994, 27  
Gender : Female  
Place of birth : Alappuzha, Kerala  
Fathers name : Shaji E.K  
Mothers name : Girija  
Marital status : Unmarried

### **EDUCATIONAL QUALIFICATIONS**

- **M. Sc. Biotechnology** (2015-2017)  
CMS College  
Kottayam  
Marks obtained- 68.75% of marks
- **B. Sc. Botany and Biotechnology** (2012 - 2015)  
S.N.G.M. Arts and Science College  
Thuravoor, Alappuzha  
Marks obtained – 68% of marks
- **Plus Two**  
V.H.S.S kanichukulangara  
Marks obtained - 74.58% of marks
- **SSLC**  
G. H.S Kanichukulanara  
Marks obtained - 80% of marks

### **PROJECTS DONE**

- **Enumeration of *E.coli* in seafood samples from different market**  
Dr Smitha Bijosh and Mrs Ann Seema  
Sea Lab, Aroor
- ***In vitro* culture of *Boerhaavia diffusa* Linn., Screening for phytochemicals and Biological activity in the leaf extract.**  
Dr Jayashree Rudra  
Hislop College, Nagpur

## **SKILLS LIST**

### **Microbiology**

Isolation of bacteria from soil, water and air, Isolation of pure culture - streak plate, spread plate and pour plate, Gram staining, Capsule staining and simple staining, Bacterial motility - Hanging drop technique, Serial dilution of bacterial cultures - find out population density of microbes, Microbial examination of various types of water samples, Identification of fungal cultures microscopically, Microbial density of selected area, Isolation and identification of microorganisms from curd and spoiled food, Preparation of tryptone water, nutrient broth, nutrient agar plates, agar slants, Fermentation - production of red wine, Isolation and identification of *E.coli* from water sample, IMVIC test, Antibiotic sensitivity test

### **Cell and molecular biology**

Squash preparation - mitosis in onion root tip and identification of mitotic cell cycle stages, Estimation of DNA and RNA, Isolation of genomic DNA, Isolation of plasmid DNA, Transformation, Competent cell preparation, Restriction digestion, Ligation, PCR, Blue-White screening, Agarose gel electrophoresis

### **Immunology**

RPR test, Widal test, Ouchterlony double diffusion, Identification of cell type, Differential counting of WBC, Cell count – hemocytometer, Determination of ABO blood grouping - slide agglutination test

### **Biochemistry**

Verification of Beer-Lambert's law, Estimation of carbohydrates, amino acids, lipids, nucleic acids, Qualitative analysis of carbohydrates, amino acids, lipids, proteins, Ascending paper chromatography of amino acids, Separation of plant pigments by thin layer chromatography, SDS-PAGE, SGPT, Determination of  $K_m$  and  $V_{max}$ , Determination of temperature and pH on enzyme activity

### **Miscellaneous**

BOD, COD, *In vitro* culture of plant, Protoplast isolation, Immobilization, Cross sectioning of anther, plants, fungi, algae, bryophytes, pteridophytes, Identification of plant cells, Volumetric analysis

### **Achievements**

- Participated in the National Workshop on Mass Spectrometry
- Participated in one day seminar on ‘Mendelian Genetics To Present Day Genomics’
- Participated in the Webinar ‘Life and Health: A Microbiome Perspective’ by Dr. Radhakrishnan E K.,

**Languages known:** Malayalam, Hindi, English.

### **REFERENCES**

Dr. Smija mariam Kurian  
Guest lecturer  
CMS College  
Kottayam  
Kerala  
India  
[smijakurian@gmail.com](mailto:smijakurian@gmail.com)

Dr. Jinu John  
Assistant professor  
CMS College  
Kottayam  
Kerala  
India  
[jinujohn21@gmail.com](mailto:jinujohn21@gmail.com)

### **DECLARATION**

I here by declare that the above furnished details are true to the best of my knowledge and belief.

Place: Kanichukulangara  
Date : 1/07/2021

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