



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, 23
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%
- **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 vivo* 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
- Participated IPR awareness/training program under the special mission called "National Intellectual Property Awareness Mission (NIPAM)"

EXPERIENCE

- Botany faculty at FTS Academy, Pathirapalli Alappuzha (April 2022-June 2022))
- Research associate trainee (Biotechnology) at NALA centre for Research and Development. (July 2022)

Languages known: Malayalam, Hindi, English

REFERENCES

Dr. Smija mariam Kurian
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Dr. Jinu John
Assistant professor
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Kerala
India
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DECLARATION

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

Place: kanichukulangara
Date : 10/08/2022

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