

## **SHILY C.**



**Mob.No: 9495718285**

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### **CURRENT ACADEMIC POSITION**

Assistant Professor, in Department of Biotechnology, Kerala Agricultural University, Vellayani, Kerala, India

Period: 26 February 2019 till continuing.

Subjects Handled: Plant Biotechnology, Cellular and developmental Biology, Advanced agricultural Biotechnology, Biotechnology Industry, Ethics, Intellectual Property Rights.

### **ACADEMIC PROFILE**

- Master of Science in Biotechnology (2005) from, University of Kerala, India
- Bachelor of Science in Agriculture(2002) from College of Agriculture, Vellayani, Kerala, India

### **RESEARCH EXPERIENCE**

#### **Master's Dissertation:**

Project title: Analysis of storage protein profiles in njavara, a medicinal and nutritional rice variety, endemic to Kerala.

Laboratory: Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram-695014.

Supervisor: Dr. George Thomas, Scientist C, Plant Genomics Group.

Period: February 2005 to May 2005.

## **Project**

Project title: Microbiological analysis of potable water.

Laboratory: Department of Biotechnology, University campus, Kariavattom.

Supervisor: Dr. V. Thankamani, Head Department of Biotechnology.

Period: 2004 August to 2004 September.

## **OTHER EXPERIENCES**

Worked as Soil Survey Officer in Department of Soil Survey and Soil Conservation.

Period: 22-07-2015 FN to 26-02-2019 FN

Worked as Vocational Instructor in Vocational Higher Secondary Education

Period: 08-09-2010 to 21-07-2015

Subjects Handled: Agriculture

## **AWARDS/FELLOWSHIP**

Qualified UGC-NET, Jointly conducted by council of scientific and industrial research and University grade commission, India.

## **RESEARCH INTERESTS**

Plant Tissue Culture , Molecular Biology

## **TECHNICAL SKILLS**

**Molecular biology:** Nucleic acid (DNA, RNA and Plasmids) isolation and quantification, PCR, Reverse transcription and Real Time PCR, Southern blotting, RFLP , Electrophoresis techniques

**Cell biology:** Microscopy (light microscopy, fluorescent) .

**Microbiology:** Culturing bacteria and laboratory stock maintenance, Isolation of bacteria from a mixed culture, Biochemical characterization of microbes, competent cell preparation, and Transformation,

**Protein Biochemistry:** SDS-Poly Acrylamide Gel Electrophoresis (PAGE), Western Blotting

**Bio-organic Chemistry:** Biological assays of various biomolecules using analytical techniques like Colorimetric and Spectrophotometry

**PERSONAL SKILLS AND ABILITIES:** Good communication and writing skills, good organizational skills and flexibility in working independently or on a team, working effectively in a rapidly changing and demanding environment, self-motivation and enthusiasm towards work.

### **PERSONAL DETAILS**

Name: Shily C.

Place and Date of Birth: Neyyattinkara , 28-05-1981

Residential Address: George Bhavan , Punnaninna, Thirupuram(P.O), 695133

Languages known: Malayalam and English