**JITHA**

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**ACADEMIC PROFILE**

**Education**

**PG Diploma In Advanced Clinical Research** 2016 - 2017

Institute of Clinical Research India (ICRI).

**Ph.D. in Botany (Crop stress physiology),** 2010 - 2014

Annamalai University, India.

**Master of Philosophy in Botany,** 2004 - 2006

Annamalai University, India.

**Master of Science in Botany,** 2002 - 2004

Annamalai University, India.

**Bachelors in Botany,** 1998 – 2001

Kannur University, India.

**Scholarships/ Awards**

* **UGC-BSR-SAP** (Basic Scientific Research-Science Assistance Program) Delhi during 2010-2013.
* **Second Rank** in Master’s Degree at Annamalai University, India (2004).
* “**Dr. A.S. Laxmanacharya Award**” for securing first mark in Plant ecology &

Phytogeography at Annamalai University (2003).

**Clinical Research Experience**

**Trainee Clinical Research Co-coordinator (Aug 2016 – Nov 2016)**

**Columbia Asia Referral Hospital**

**Yeshwanthpur, Bengaluru, India.**

* Hands on training provided by Dr. Rajan Narasimha Vikram on ICH-GCP.
* Preparation and Maintenance of Site Master File and Other Documents.
* e-CRF and Paper CRF entries and Protocol review trial and study schedule make up.
* Financial aspects including Cheque delivery to sites and Confidentiality Agreements and Clinical Trial Agreements Review.
* Comparing and evaluating AEs/SAEs against the company core data sheet, the package insert as well as the investigator’s brochure for clinical trial reports.
* Completing follow up with patients via telephone and directly through follow-up visits.
* Reviewed and processed initial and follow-up information for both serious and non-serious adverse events in safety database by producing a narrative using the appropriate narrative template and coding adverse events, suspect products and concomitant products using MedDRA and other company dictionaries within defined reporting timelines.

**RESEARCH EXPERIENCE**

**Doctoral studies on “Metabolic adaptations of two species of *Panicum* under salinity”**

• Morphological variations and the biochemical markers

• Compartmentalization of organic and inorganic solutes

• Antioxidant machinery and its role in membrane integrity

• Molecular mechanisms involved in salt tolerance

•Analysis of the data’s using one way ANNOVA in SPSS.

**Master in philosophy “Molecular profiling of C*entella asiatica L.* ecotypes for its**

**photoactive component”**

• Impact of two growth regulators on *Centella*.

• Quantitative analysis of enzymatic and non-enzymatic antioxidants potentials

• Isolation of triterpenoid namely asiaticoside using TLC.

**Technical Assistant at Regional Agricultural Research Station (RARS), Kerala**

**Agricultural University, India.**

* Worked on cashew breeding in **All India Cashew Research Project (AICRP).**
* Applied research on cashew improvement to develop cashew production technologies, including technologies of efficient vegetative propagation and nursery management.
* Improvement of cashew for productivity, nut size and resistance to pests and diseases.
* Rapid vegetative propagation of superior cashew types on large scale for cashew rehabilitation.
* Training many rural farmers including women and men in cashew science, cashew nursery and production technologies updating of cashew.

**TEACHING EXPERIENCE**

**Guest Lecturer in Biotechnology department, Sir Sayed College, Kannur University, India**

* Engaged in strengthening research and teaching programs of the Department of Biotechnology and carrying out under-graduate teaching and research in plant biotechnology, embryology and environmental studies.
* Facilitating / coaching students by using interactive discussions & hands-on approaches to help students and apply concepts in subjects.
* Interacting & collaborating with students & parents to build an environment that maximizes the learning process, academic performance & social growth.

**TRAINING/WORKSHOP & CONFERENCE ATTENDED**

* **“Molecular techniques in microbiology”** (DNA isolation, primer designing, PCR, SDS-PAGE, transformation, genetic finger printing by RAPD and rt-PCR, Bioinformatics tools-Phylogenic analysis, Gene mining, Molecular visualization tool) conducted by Kerala Agricultural University, Vellanikara, Kerala.
* UGC sponsored national workshop on “**Basic techniques in isolation**, **purification and characterization of proteins**” conducted by JSS college of arts, Commerce and Science, Mysore.
* UGC National seminar on “**Present Scenario In Plant Science Research**” conducted by the Department of Botany, Annamalai University, Tamilnadu, INDIA.

**RESEARCH INTERESTS**

* Abiotic stress tolerance and defense mechanism in crops.
* Understanding the variations in signaling cascades during stress conditions.
* Characterize the genes involved in the drought and salt tolerance.
* Crop modeling (high in yield, nutrient profiles and disease/stress resistance).

**SCIENTIFIC PUBLICATIONS**

* **Jitha Bhaskaran**, R. Paneerselvam (2013) Accelerated reactive oxygen scavenging system and membrane integrity of two *Panicum* species varying in salt tolerance. ***Cell Biochem Biophys***. (2013) 67:885-892.
* **Jitha Bhaskaran** *et al*. (2013) Compatible solute accumulation, osmoticum maintenance and growth in *Panicum miliaceum* exposed to salinity. ***Int j pharm bio sci***. 4: (b) 933 – 941.

**PERSONAL DETAILS**

Date of Birth: 27thOct, 1980

Gender: Female

Nationality: Indian

Marital Status: Married

Visa status: Residence Visa

Languages Known: English, Hindi, Malayalam, and Tamil