

In - house Projects - MACFAST

Project Title:

Osmotic dehydration of watermelon rind and development of value-added blended products

Status: Ongoing

Principal Investigator: Prof. Beena Cherian

Project Title:

Novel nano-based formulation from *Tinospora cordifolia*: An evaluation of anti-SARS - CoV - 2 activity

Status: Ongoing

Principal Investigator: Dr. Jenny Jacob

Project Title:

Extraction of anthocyanin pigment from *Brassica oleracea* and its utilisation studies

Status: Ongoing

Principal Investigator: Ms. Sini Kurien

Project Title:

Study on interactions of microbes isolated from degrading wood samples

Status: Ongoing

Principal Investigator: Dr. Soumya Madhavan

Project Title:

Synthesis and characterization of chitosan-salicylic acid nanoconjugate and growth elicitation studies in *Oryza sativa* (L.)

Status: Ongoing

Principal Investigator: Dr. Smitha Vijayan

Project Title:

Interaction of miRNAs in strigolactone mediated developmental events in plants

Status: Ongoing

Principal Investigator: Dr. Siby Simon

Project Title:

Isolation and identification of heavy metal degrading bacteria from the rhizosphere soil of *Phragmites karka* (Poaceae) and its efficiency to treat industrial effluent

Status: Ongoing

Principal Investigator: Dr. Smitha Vijayan

Project Title:

Study on identification, characterization, and interactions of endophytes from selected mangrove and orchid species

Status: Ongoing

Principal Investigator: Dr. Soumya Madhavan

Project Title:

Evaluation of efficacy of novel anti - inflammatory nanoemulgel formulation of Chromolaena odorata in rheumatoid arthritis

Status: Ongoing

Principal Investigator: Dr. Jenny Jacob

Project Title:

Antimicrobial properties of selected medicinal plants

Status: Ongoing

Principal Investigator: Prof. Beena Cherian

Project Title:

Synthesis of nanochitosan from prawn shell, banana and pineapple peel extracts

Status: Ongoing

Principal Investigator: Ms. Sini Kurien

Project Title:

Formulation of soup powder and related products from coconut oil cake

Status: Ongoing

Principal Investigator: Prof. Beena Cherian

Project Title:

Synthesis, characterization, and in-vitro analysis of a chitosan - Garcinia nanoemulsion as an anti-obesity formulation

Status: Ongoing

Principal Investigator: Dr. Smitha Vijayan

Project Title:

Survey based study on common diseases and constraints related to vegetable farming/kitchen gardening in selected districts of Kerala

Status: Completed

Principal Investigator: Dr. Soumya Madhavan

Project Title:

Mushroom cultivation, its development of value products from *Pleurotus* spp.

Status: Completed

Principal Investigator: Prof. Beena Cherian

Project Title:

Collagen from chicken skin, a low market value by-product: Purification and its utilization for value-added food product development

Status: Completed

Principal Investigator: Dr. Treesa Varghese

Project Title:

Development of commercially viable micropropagation protocol for banana varieties and mass scale production

Status: Completed

Principal Investigator: Dr. V. Raghurajan