

### Course Fee, Travel and Accommodation

There is no course fee, however a non-refundable registration fee of Rs.50/- (Rupees Fifty only) is to be paid by way of a Postal Order or DD (drawn in favour of the Director, ICAR-CTCRI payable at Thiruvananthapuram). The boarding, lodging, TA and DA expenses of the selected candidates will be provided as per ICAR norms and operational guidelines for organisation of short course. The participants will be paid for the journey, to and fro, restricted to AC-II-tier train fare or bus or any other means of transport in vogue, as the case may be. Actual TA will be paid on production of documentary proof by the participants. TA may be paid from the place of duty to the short course location and back by the shortest route. Participants are requested to send their travel plan in advance. The participants will be provided free boarding and lodging. Local participants will be provided lunch and inter-sessions tea only.

### How to Reach

Thiruvananthapuram city is well connected by rail and road from all parts of the country. The ICAR-CTCRI is located in Sreekariyam, which is about 12 km away from Thiruvananthapuram Railways station and the bus terminal, and well connected with bus/pre-paid auto facility. Participants are advised to make their on-ward and return reservations well in advance at their end.

### Nominations may be sent to

Dr. J.T.Sheriff

Head & Principal Scientist

Division of Crop Utilisation

ICAR- Central Tuber Crops Research Institute

Sreekariyam, Thiruvananthapuram – 695017, Kerala

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Tel: +91-471-2598551; Fax: +91-471-2590063

### For further information, please contact

Course Director: Dr. J.T.Sheriff, Mobile No. 09446102091

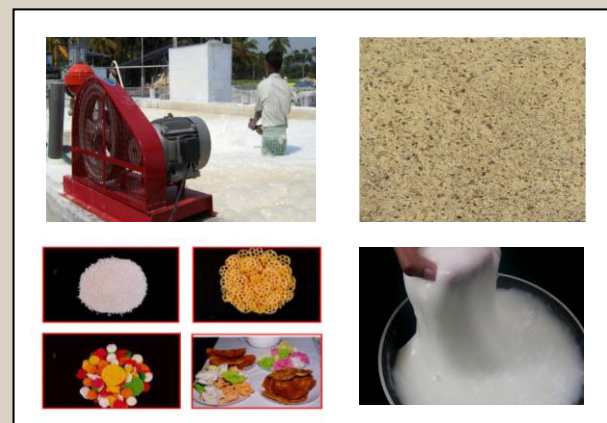
Course Coordinators: Dr. M.S. Sajeev, Mobile No.: 09446102911

Dr.A.N.Jyothi: Mobile No.: 09495339985



## ICAR Short Course on Technologies for Entrepreneurship Development in Tuber Crops

September 11-20, 2017



Course Director

Dr. J.T.Sheriff

Course Coordinators

Dr. M.S. Sajeev & Dr. A.N.Jyothi

ICAR- Central Tuber Crops Research Institute  
Sreekariyam, Thiruvananthapuram – 695017, Kerala, India;

<http://www.ctcri.org>



## Background

Tuber crops are important sources of starch after cereals, besides being used as staple or supplementary food. Being the crops with adaptability to wide range of soil, climate and environment of the tropics and sub tropics and requiring minimum agronomic input and care for growth, they can be very well fitted into the prevailing cropping system of our country. Tuber crops though branded as poor man's crops in rural areas have considerable unrealized potential for processing into high end products for food, feed and industrial uses. The perishable nature of tropical tuber crops and the difficulties in long distance transport, storage and marketing constitutes major problems for farmers whose bargaining power is at its lower edge. In order to overcome this problem also, *in situ* value addition near the farm site is recommended. The produce will also ensure promotion of cottage and small-scale industries besides ensuring food security. Agro-industrial transformation of these crops by linking improved production and processing technologies, marketing techniques and institutional innovation in processing technologies ensure food security, rural employment and adequate remuneration to the producers. Central Tuber Crops Research Institute, a pioneer in the R&D activities of tropical tuber crops evolved number of value addition technologies suitable for home, farm and industrial front.

## Purpose and objective

The main objective of organising the short course is to impart training to the teachers, researchers and extension specialists to update them with the latest knowledge and techniques on low cost processing technologies in tuber crops and to enable them to face the challenges for promoting tuber crop processed products. It would provide a common platform to the participants for interaction and exchange experiences as well as to develop inter-institutional linkages on the subject.

## Course content and pedagogy

It covers important topics on present scenario of value addition in tuber crops, primary and secondary processing equipments for processing of tuber crops,

processing techniques in the preparation of cassava flour and starch, potential uses of cassava starch, extrusion processing of tuber crop starches/flour, ready to eat bakery products,, functional foods, tuber crop based snack products and industrial products, postharvest deterioration in cassava, sensory evaluation of snack products, quality parameters of tuber crop, bio-chemical analysis, best agronomic practices for producing quality products , best tuber crop varieties for processing, quality improvements in starch and sago industries and standardisation of cassava products. Hands-on training on development of value added products and visit to edible cassava chips preparing unit.

## Duration and venue

This course of 10 working days duration is offered during September 11-20, 2017. The participants are expected to arrive latest by the evening of September 10, 2017 and can leave after 1700 hrs on the last day of the programme. The programme will be held at the ICAR-Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram – 695017, Kerala, India.

## Eligibility

The entry and middle level NARS professionals who possess Master Degree in Agriculture Processing/ Postharvest technology/ Bio-chemistry/ Chemistry and allied disciplines and working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University/I.C.A.R. Institute. The candidates who are associated with tuber crops processing will be preferred.

## How to Apply

Interested candidates are requested to apply through the prescribed format and forwarded by the competent authority of the sponsoring institute and sent to the Course Director so as to reach on or before August 14, 2017.(Monday). There are only 25 seats available. Selected candidates will be intimated through e-mail a week after the last date for the receipt of nominations. Nominations may also be submitted electronically by using the CBP portal (<http://proj.iasri.res.in/cbp/>).