



# TRAINING CALENDAR 2024-2025



**भाकृअनुप-केन्द्रीय कन्द फसल अनुसंधान संस्थान**

(भारतीय कृषि अनुसंधान परिषद्)

श्रीकार्यम, तिरुवनन्तपुरम 695 017, केरल, भारत

**ICAR-Central Tuber Crops Research Institute**

(Indian Council of Agricultural Research)

Sreekariyam, Thiruvananthapuram 695 017, Kerala, India





**ICAR-Central Tuber Crops Research Institute**  
(Indian Council of Agricultural Research)  
Sreekariyam 695 017, Thiruvananthapuram, Kerala, India

**TRAINING CALENDAR**  
**2024-2025**

**From the Director**



I take immense pleasure in presenting the training calendar for the year 2024-25 for the benefit of all the stakeholders in our country. The Institute design courses, develop training manuals and evaluate the training for better performance and improved service delivery. Training programmes are well planned and customised to suit the needs of the stakeholders. The Institute is deriving partners from across the country as well as from abroad to serve as resource persons. Our core competency includes genomics, agronomic practices for sustainability, soil nutrient management, integrated pest and disease management, value addition, smart farming and soft skills. Our library has an excellent collection of books, journals and reports in areas of agriculture with special reference to tuber crops. Developing the required knowledge, necessary skills and appropriate attitude among the academicians and departmental officials in an era of digitalization is the need of the hour.

During 2023-24, the Institute has initiated organizing regular capacity building programmes on emerging technologies and a total of eight important training programmes were organized benefiting stakeholders across the nation. The infrastructural facilities include experimental farm, laboratories, techno incubation centre, library, museum, agricultural knowledge management unit, intellectual property and technology management unit, dairy unit and smart class rooms. The Institute also has an Agri-Business Incubation Centre to promote business incubation activities and startup ventures in tuber crops technologies and value added products.

In this training calendar, course content, duration, eligibility and other details of regular, comprehensive, specialized and certificate training programmes of ICAR-CTCRI has been depicted in a comprehensive manner, which will be useful for upscaling knowledge and skill of stakeholders in relevant areas. I urge the active participation and support of different categories of clientele in various programmes by utilizing the facilities available at this Institute.

**G. Byju**

01 April 2024





## About ICAR-CTCRI

The ICAR-Central Tuber Crops Research Institute (ICAR CTCRI) was established during the Third Five Year Plan for intensification of research on tuber crops (other than potato). The Institute started functioning on 01 July 1963 with its headquarters (HQ) at Sreekariyam, Thiruvananthapuram, Kerala. It has one Regional Station (RS) at Bhubaneswar, Odisha. The All India Co-ordinated Research Project on Tuber Crops (AICRP TC) was started in 1968 for testing and popularizing the location specific tuber crops technologies in various parts of India. It has presently 21 centres including ICAR-CTCRI HQ and Regional Station. The Institute is also one of the centres of the All India Co-ordinated Research Project on Pre and Post-Harvest Technology as well as AINPOF. The ICAR-CTCRI is conducting basic, strategic and applied research on various edible tropical tuber crops.

### Vision

Root and tubers for ensuring better health, wealth generation and inclusive growth.

### Mission

To integrate root and tuber crops as sustainable farming system components to ensure food and nutritional security of the nation and livelihood improvement of rural population.

### Mandate

- ❖ Basic, strategic and applied research on genetic resource management, crop improvement, sustainable production and utilization of tropical tuber crops.
- ❖ Co-ordinate research and validation of technologies through AICRP on Tuber Crops.

### Core Values of ICAR-CTCRI

- ❖ Innovations
- ❖ Diversity
- ❖ Commitment
- ❖ Excellence
- ❖ Farmers welfare

### Divisions/Sections/Regional Station of ICAR-CTCRI

The Institute has three divisions, two sections and one regional station for doing research and development on tropical tuber crops.

1. Division of Crop Improvement
2. Division of Crop Production
3. Division of Crop Protection
4. Section of Crop Utilization
5. Section of Extension and Social Sciences
6. Regional Station, Bhubaneswar, Odisha

## Mandate Crops

1. Cassava: *Manihot esculenta* Crantz, Euphorbiaceae
2. Sweet potato: *Ipomoea batatas* (L.) Lam., Convolvulaceae
3. Greater yam: *Dioscorea alata* L., Dioscoreaceae
4. White yam: *Dioscorea rotundata* Poir., Dioscoreaceae
5. Lesser yam: *Dioscorea esculenta* (Lour.) Burk., Dioscoreaceae
6. Elephant foot yam: *Amorphophallus paeoniifolius* (Dennst.) Nicolson, Araceae
7. Taro: *Colocasia esculenta* (L.) Schott., Araceae
8. Tannia: *Xanthosoma sagittifolium* (L.) Schott., Araceae
9. Giant taro: *Alocasia macrorrhiza* (L.) Schott., Araceae
10. Swamp taro: *Cyrtosperma chamissonis* (Schott.) Merr., Araceae
11. Chinese potato: *Plectranthus rotundifolius* (Poir.) Spreng., Lamiaceae
12. Yam bean: *Pachyrrhizus erosus* (L.) Urban, Fabaceae
13. West Indian arrowroot: *Maranta arundinacea* L., Marantaceae
14. Queensland arrowroot: *Canna edulis* (Ker-Gawler), Cannaceae
15. East Indian arrowroot: *Curcuma angustifolia* Roxb. Zingiberaceae



## Core Training Areas

Crop Improvement	Crop Production	Crop Protection	Crop Utilization	Extension and Social Sciences
<ul style="list-style-type: none"> <li>• Molecular breeding</li> <li>• Gene editing</li> <li>• Plant tissue culture and related techniques</li> <li>• Molecular tools and techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Nutrient management</li> <li>• Organic farming</li> <li>• Natural farming</li> <li>• Hi tech cultivation</li> <li>• Urban farming</li> <li>• Quality planting material production</li> <li>• Integrated farming systems</li> <li>• Soil, plant and water analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated pests and diseases management</li> <li>• Organic management of pests and diseases</li> <li>• Mass production of bio agents</li> </ul>	<ul style="list-style-type: none"> <li>• Processing techniques</li> <li>• Value addition</li> <li>• Development of machineries</li> <li>• Mechanization</li> </ul>	<ul style="list-style-type: none"> <li>• R package</li> <li>• Entrepreneurship development</li> <li>• Smart farming</li> <li>• Intellectual property management</li> <li>• Market research methods</li> <li>• Design thinking for technology management</li> <li>• Business Incubator management</li> <li>• Nutri-sensitive agriculture</li> </ul>





## Training Programmes (April 2024 - March 2025)

### I. Crop Improvement

- Title** : **Molecular Marker Techniques for Crop Improvement**  
Date : 09-15 September 2024  
Duration : 7 days  
Venue : ICAR-CTCRI, Thiruvananthapuram  
Training areas : Basic molecular techniques including good laboratory practices, preparation of stock solutions, DNA isolation and quantification, Gel electrophoresis, PCR amplification and diversity analysis, gene mapping using SSR markers.  
Eligibility : Researchers, academicians and students in basic plant biotechnology and molecular laboratory techniques  
Training fee (Rs.) : 7000 + GST (18%)  
Course Director : Dr. C. Mohan  
Course Coordinator : Dr. K.M. Senthilkumar  
Contact details : Dr. C. Mohan, Principal Scientist  
E-mail: mohan.c@icar.gov.in  
Mobile: +91 9495201553
- Title** : **Recent Advances in Crop Improvement Using Conventional and Molecular Techniques**  
**Module I : Advances in micropropagation and related techniques**  
**Module II : Conventional breeding approaches in higher plants**  
**Module III : Molecular tools and techniques for the development of climate resilience plants**  
Date : 03-23 December 2024  
Duration : 21 days  
Venue : ICAR-CTCRI Regional Station, Bhubaneswar  
Training areas : Guidelines in plant tissue culture and related techniques, conventional breeding methods for crop improvement, molecular



tools and techniques for genetic improvement using DNA and RNA techniques, comprehensive overview of the plant tissue culture, stress tolerance mechanisms, experimental designing, data analysis and visualization of *in vitro* and *in vivo* experiments, breeding techniques, and molecular tools for crop improvement.

- Eligibility : Researchers, academicians and students in basic plant biotechnology and molecular laboratory techniques
- Training fee (Rs.) : Module I : 7000 + GST (18%)  
Module II : 7000 + GST (18%)  
Module III : 7000 + GST (18%)
- Course Director : Dr. Manas Ranjan Sahoo
- Course Coordinators : Mr. K. Hanume Gowda and Dr. Kalidas Pati
- Contact details : Dr. Manas Ranjan Sahoo, Principal Scientist & Head  
E- mail: manas.sahoo@icar.gov.in  
Mobile:+91 9437613286

## II. Crop Production

- 3. Title : Soil, Plant and Water Analysis for Efficient Nutrient Management**
- Date : 22-26 July 2024
- Duration : 5 days
- Venue : ICAR-CTCRI, Thiruvananthapuram
- Training areas : Collection and analysis of soil, plant and water samples, soil physical and chemical parameters using standard extraction and estimation procedures and with Soil Test based Fertilizer Recommendation (STFR) kit, biological parameters, irrigation water quality assessment, plant sample analysis, nutrient recommendations based on soil test, generation of soil health cards, customized fertilizer formulations, calculation of soil quality indices and soil health.
- Eligibility : Staff/students from ICAR Institutes/SAUs/CAU/ Deemed to be Universities/Colleges/KVKs, State Department of Agriculture/ Horticulture, Entrepreneurs etc.



Training fee (Rs.) : 5000 + GST (18%)  
Course Director : Dr. V. Ramesh  
Course Coordinators : Dr. K. Susan John and Dr. J. Suresh Kumar  
Contact details : Dr. V. Ramesh, Principal Scientist  
E- mail: ramesh.v1@icar.gov.in  
Mobile: +91 9486960928

**4. Title : Advances in Quality Planting Material Production of Tropical Tuber Crops**

Date : 23-27 September 2024  
Duration : 5 days  
Venue : ICAR-CTCRI, Thiruvananthapuram  
Training areas : Importance of quality planting material, Planting material production of improved varieties of tuber crops, prescribed quality standards, selection of source seed, *in vivo* and *in vitro* method of seed multiplication, minisett technique, nursery practices, field and storage quality standards, protected structures in clean seed production, soilless techniques for seed production, plant protection, harvesting and storage for seed purpose, status of seed chain, institutions involved in seed production best agronomic practices for seed production and hands on training on various seed multiplication techniques and field visits.  
Eligibility : Staff/Students from ICAR Institutes/SAUs/CAU/ Deemed to be Universities/Colleges/KVKs, State Department of Agriculture/ Horticulture, Entrepreneurs etc.  
Training fee (Rs.) : 5000 + GST (18%)  
Course Director : Dr. K. Sunilkumar  
Course Coordinators : Dr. R. Muthuraj and Dr. J. Suresh Kumar  
Contact details : Dr. K. Sunilkumar, Principal Scientist  
E- mail: sunilk.kumar@icar.gov.in  
Mobile: +91 9495997594

- 5. Title : Organic and Urban Farming of Tuberous Vegetables-Based Nutrigardens**
- Date : 25-29 November 2024
- Duration : 5 days
- Venue : ICAR-CTCRI, Thiruvananthapuram
- Training areas : Organic farming: Protocols for organic production of tuberous vegetables, integrated organic farming system involving tuber crops, eco-friendly pest and bio-intensive disease management, hands-on-experience on the preparation of organic manures namely *panchagavya*, *beejamrit*, *ghana* and *drava jeevamrit*, vermicompost, vermiwash, etc., visit to organic farmers fields and promotion of organic farming and nutrigardens.
- Urban and semi urban farming: Soil and soilless cultivation by different media mixes, nutrient management, and low cost hydroponics and high-tech cultivation aspects for yield and planting material production.
- Eligibility : Staff/Students from ICAR Institutes/SAUs/CAU/ Deemed to be Universities/Colleges/KVKs, State Department of Agriculture/ Horticulture, Entrepreneurs etc.
- Training fee (Rs.) : 5000 + GST (18%)
- Course Director : Dr. J. Suresh Kumar
- Course Coordinators : Dr. G. Suja and Dr. S. Sunitha
- Contact details : Dr. J. Suresh Kumar, Scientist  
E- mail: suresh.j@icar.gov.in  
Mobile: +91 8075397038

### III. Crop Protection

- 6. Title : Advances in Integrated Plant Health Management**
- Date : 05-09 August 2024
- Duration : 5 days
- Venue : ICAR-CTCRI, Thiruvananthapuram
- Training areas : Crop health management – holistic approach, biotic and soil plant nutrition factors leading to crop loss, field and lab identification of



pest and nutritional disorders and novel techniques for disease diagnosis, nutritional disorders and management of pests.

Eligibility : Staff/Students from ICAR Institutes/SAUs/CAU/ Deemed to be Universities/Colleges/KVKs, State Department of Agriculture/ Horticulture, Entrepreneurs etc.

Training fee (Rs) : 5000 + GST (18%)

Course Director : Dr. S.S. Veena

Course Coordinators : Dr. M.L. Jeeva and Dr. E.R. Harish

Contact details : Dr. S.S. Veena, Principal Scientist  
E-mail: veena.ss@icar.gov.in  
Mobile: +91 9497536500

**7. Title : Identification of Pests of Tuber Crops and Their Innovative Management Strategies**

Date : 21-25 October 2024

Duration : 5 days

Venue : ICAR-CTCRI, Thiruvananthapuram

Training areas : Identification and management aspects of pests through chemical and biological approaches, molecular identification of pests of tuber crops, standardization of DNA isolation protocols, standardization of PCR, Agarose gel electrophoresis, NCBI submission, quality checking of sequences, various modalities under BOLD (Barcode of Life Database) submission, biopesticides developed from cassava leaves and demonstration on effectiveness of various biopesticides.

Eligibility : Scientists, technical personnel, officials and students from SAUs and agriculture departments

Training fee (Rs.) : 5000 + GST (18%)

Course Director : Dr. E.R. Harish

Course Coordinators : Dr. H. Kesava Kumar and Dr. B.G. Sangeetha

Contact details : Dr. Harish E. R., Senior Scientist  
E-mail: harisher@icar.gov.in  
Mobile:+91 8281337852

## IV. Crop Utilization

### 8. Title : Processing, Value Addition and Entrepreneurial Opportunities in Tuber Crops

Date : 10-14 June 2024

Duration : 5 days

Venue : ICAR-CTCRI, Thiruvananthapuram

Training areas : Value addition in tuber crops, primary and secondary processing equipment for tuber crops, processing techniques for preparation of cassava flour and starch, starch modification process, extrusion processing of tuber crop starches/flour, ready to eat bakery products, intermediate moisture foods, functional foods, tuber crop based snacks, industrial products and animal feed, by-products utilization, cassava leaf based bio formulations for plant protection, cassava based bioethanol and biodegradable packaging films, postharvest deterioration in cassava, sensory evaluation of snack products, quality parameters of tuber crop, nutrition and bio-chemical analysis, best agronomic practices for producing quality products, varieties suitable for industrial processing, quality improvements in starch and sago industries and standardization of cassava products, on-farm processing centres, techno-economic feasibility of value added products, business models, role of common facility centres for entrepreneurship development, hands-on training on development of value added products and field visits to the processing units.

Eligibility : Employees from ICAR Institutes/State AUs/CAU/Deemed to be Universities/Colleges affiliated to general Universities who are interested/associated with value addition and allied aspects of agro processing.

Training fee (Rs.) : 10000+ GST (18%)

Course Director : Dr. M.S. Sajeev

Course Coordinators : Dr. T. Krishnakumar and Dr. C. Pradeepika

Contact details : Dr. M. S. Sajeev, Principal Scientist

E-mail: [sajeev.ms@icar.gov.in](mailto:sajeev.ms@icar.gov.in)

Mobile: +91 9446102911

## V. Extension and Social Sciences

### 9. Title : Intellectual Property Management and Technology Commercialisation – Tools and Techniques

Date : 6-10 May 2024

Duration : 5 days

Venue : ICAR-CTCRI, Thiruvananthapuram

Training areas : Introduction to IP management, intellectual property types, IP management in ICAR and SAUs, stages of IP management, IP lifecycle, IP valuation methods and tools, IP and innovation policy analysis, patent landscaping, technology transfer basics, technology commercialisation–tools and techniques, contracts and legal procedures.

Eligibility : Scientists, teachers and students of NARS, other R&D institutions and Universities of Governmental and Non-Governmental systems, private agencies

Training fee (Rs.) : 7000 + GST (18%)

Course Director : Dr. P. Sethuraman Sivakumar

Course Coordinators : Dr. T. Krishnakumar and Dr. P. Prakash

Contact details : Dr. P. Sethuraman Sivakumar, Principal Scientist  
E-mail: sivakumar.ps@icar.gov.in  
Mobile:+91 9496550999

### 10. Title : Design Thinking and Innovation

Date : 8-12 July 2024

Duration : 5 days

Venue : ICAR-CTCRI, Thiruvananthapuram

Training areas : Introduction to design thinking and innovation, design thinking process, cognitive models applied in design thinking, design thinking for innovation development, innovation pathways, design thinking approach for new product development–ideation, models, visualisation, understanding customers–customer personal and mind mapping.

Eligibility : Scientists, teachers and students of NARS, other R&D institutions and Universities of Governmental and Non-Governmental systems, private agencies

Training fee (Rs.) : 7000 + GST (18%)

Course Director : Dr. P. Sethuraman Sivakumar

Course Coordinators : Dr. P. Prakash and Dr. T. Krishnakumar

Contact details : Dr. P. Sethuraman Sivakumar, Principal Scientist  
E-mail: sivakumar.ps@icar.gov.in  
Mobile: +91 9496550999

**11. Title : Emerging Approaches in Food Sensory Evaluation and Marketing Research**

Date : 23-27 September 2024

Duration : 5 days

Venue : ICAR-CTCRI, Thiruvananthapuram

Training areas : Sensory evaluation basics, theory of smell and taste perception, methods of sensory testing – analytical and hedonic, sensory testing -laboratory and consumer tests, basics of market research, qualitative and quantitative approaches, perceptual mapping, auctioning, conjoint analysis and emerging approaches in sensometrics.

Eligibility : Scientists, teachers and students of NARS, other R&D institutions and Universities of Governmental and Non-Governmental systems, private agencies

Training fee (Rs.) : 8000 + GST (18%)

Course Director : Dr. P. Sethuraman Sivakumar

Course Coordinators : Dr. T. Krishnakumar and Dr. P. Prakash

Contact details : Dr. P. Sethuraman Sivakumar, Principal Scientist  
E-mail: sivakumar.ps@icar.gov.in  
Mobile: +91 9496550999

**12. Title : Hands-on Training on R for Biological Data Analysis**

Date : 6-10 November 2024

Duration : 5 days



Venue	: ICAR-CTCRI, Thiruvananthapuram
Training areas	: Installing R and R Studio, R syntax fundamentals, working with data structures, basic functions and data manipulation, summary statistics and data visualization with ggplot2, identifying outliers and anomalies, statistical analysis of experimental data in R, hypothesis testing (t-tests, ANOVA, chi -squared tests), non-parametric tests, regression analysis, correlation and regression analysis in R, statistical modeling in agriculture with R, multivariate analysis in R, exploratory data analysis and visualization in R, response surface methodology (RSM) and PCA analysis in R, introduction to big data analytics in R, machine learning applications: application of machine learning techniques to biological data, using deep learning for image analysis or sequence classification, role of feature engineering in preparing data for machine learning, time series analysis for big data in R, big data tools and ecosystems in R, introduction to R for breeding.
Eligibility	: Participants are expected to possess a fundamental grasp of biology and some familiarity with programming concepts. Prior experience with R is desirable.
Training fee (Rs.)	: 8000+ GST (18%)
Course Director	: Dr. J. Sreekumar
Course Coordinator	: Dr. P. Prakash
Contact details	: Dr. J. Sreekumar, Principal Scientist & Scientist In Charge E-mail: sreekumar.j@icar.gov.in Mobile: +91 8281839985

**13. Title : Smart Farming driven by Artificial Intelligence**

Date	: 05-09 February 2025
Duration	: 5 days
Venue	: ICAR-CTCRI, Thiruvananthapuram
Training areas	: Introduction to AI in agriculture, understanding smart farming concepts, AI technologies in agriculture, data collection and sensing techniques, data analysis and predictive modeling, resource



management and optimization, pest and disease detection, automation and robotics, integration with farm management systems, case studies and best practices, hands-on training and practical application, ethical and regulatory considerations, evaluation and certification.

- Eligibility : Scientists, teachers and students of NARS, other R&D institutions and Universities of Governmental and Non-Governmental systems
- Training fee (Rs.) : 5000 + GST (18%)
- Course Director : Dr. V.S. Santhosh Mithra
- Course Coordinator : Dr. K.M. Senthilkumar
- Contact details : Dr. V. Santhosh Mithra, Principal Scientist  
E-mail: [vss.mithra@icar.gov.in](mailto:vss.mithra@icar.gov.in)  
Mobile: +91 9495155965

### Training Methodology

- Front end teaching
- Interactive training
- Hands on training
- Experiential learning

### Training Partners

- ICAR Institutes, SAUs, Universities, NAARM, MANAGE, IMG, IITs etc.

### Facilities at ICAR-CTCRI

- Air conditioned smart lecture halls of varying seating capacity equipped with advanced audio visual aids
- Computer labs with GIS, multimedia, E-learning facilities
- Conference rooms for video conferencing
- State of the art training halls with all modern facilities
- Well equipped laboratories
- Fully furnished guest rooms to accommodate 50 participants
- Library with latest editions of books and journals
- Campus wide Wi-Fi connectivity
- Agri Business Incubation centre with all facilities for the incubates and upcoming start ups

- Agricultural Knowledge Management Unit (AKMU)
- Dairy Unit
- Techno Incubation Centre (TIC)
- Departmental Canteen



Integrated organic farming system



AAS laboratory



Library



Agricultural Knowledge Management Unit



Agri Business Incubation centre



Techno-Incubation centre



Museum



Dairy Unit



Guest House

## How to Apply

The interested candidates may send their filled-in applications (as per the format attached) for various training programmes to the concerned course director through e-mail. Participants for the training will be selected after an initial screening and selected candidates will be informed individually.

## Fee Payment Details

Account Name	:	ICAR UNIT CTCRI
Account No	:	57019705533
Bank	:	State Bank of India
Branch	:	Kallampally
IFSC Code	:	SBIN0070288

## Faculty of ICAR-CTCRI

### Crop Improvement

1. Dr. Manas Ranjan Sahoo, Principal Scientist (Horticulture) & Head
2. Dr. M.N. Sheela, Principal Scientist (Genetics and Plant Breeding)
3. Dr. P. Murugesan, Principal Scientist (Vegetable Science)
4. Dr. K.I. Asha, Principal Scientist (Economic Botany and PGR)
5. Dr. C. Mohan, Principal Scientist (Genetics and Plant Breeding)
6. Dr. A. Asha Devi, Principal Scientist (Genetics and Plant Breeding)
7. Dr. Shirly Raichal Anil, Principal Scientist (Genetics and Plant Breeding)
8. Dr. L.K. Bharathi, Principal Scientist (Vegetable Science)
9. Dr. N. Krishna Radhika, Senior Scientist (Agricultural Biotechnology)
10. Dr. Kalidas Pati, Senior Scientist (Vegetable Science)
11. Dr. C. Visalakshi Chandra, Scientist (Genetics and Plant Breeding)
12. Dr. K.M. Senthilkumar, Scientist (Agricultural Biotechnology)
13. Dr. V.B.S. Chauhan, Scientist (Vegetable Science)
14. Mr. K. Hanume Gowda, Scientist (Vegetable Science)
15. Dr. T.P. Sujatha, Scientist (Agricultural Biotechnology)
16. Dr. S. N. Rahana, Scientist (Genetics and Plant Breeding )

### Crop Production

1. Dr. G. Byju, Director (Soil Science)
2. Dr. G. Suja, Principal Scientist (Agronomy) and Head
3. Dr. M. Nedunchezhiyan, Principal Scientist (Agronomy)
4. Dr. K. Susan John, Principal Scientist (Soil Science)
5. Dr. S. Sunitha, Principal Scientist (Agronomy)
6. Dr. K. Laxminarayana, Principal Scientist (Soil Science) & SIC, Regional Station
7. Dr. K. Sunilkumar, Principal Scientist (Vegetable Science)
8. Dr. V. Ramesh, Principal Scientist (Soil Science)
9. Dr. R. Muthuraj, Principal Scientist (Seed Science and Technology)
10. Dr. R. Saravanan, Principal Scientist (Plant Physiology)
11. Dr. J. Suresh Kumar, Scientist (Vegetable Science)

## Crop Protection

1. Dr. T. Makesh Kumar, Principal Scientist (Plant Pathology) and Head
2. Dr. M.L. Jeeva, Principal Scientist (Plant Pathology)
3. Dr. S.S. Veena, Principal Scientist (Plant Pathology)
4. Dr. E.R. Harish, Senior Scientist (Agricultural Entomology)
5. Dr. H. Kesava Kumar, Senior Scientist (Nematology)
6. Dr. B.G. Sangeetha, Scientist (Agricultural Biotechnology)
7. Dr. R. Arutselvan, Scientist (Plant Pathology)

## Crop Utilization

1. Dr. A.N. Jyothi, Principal Scientist (Agricultural Chemicals) & Scientist in Charge
2. Dr. M.S. Sajeev, Principal Scientist (Agricultural Structures & Process Engineering)
3. Dr. C. Pradeepika, Scientist (Vegetable Science)
4. Dr. T. Krishnakumar, Scientist (Agricultural Structures & Process Engineering)

## Extension and Social Sciences

1. Dr. J. Sreekumar, Principal Scientist (Agricultural Statistics) & Scientist in Charge
2. Dr. Sheela Immanuel, Principal Scientist (Agricultural Extension)
3. Dr. V.S. Santhosh Mithra, Principal Scientist (Computer Applications & IT)
4. Dr. P. Sethuraman Sivakumar, Principal Scientist (Agricultural Extension)
5. Dr. D. Jaganathan, Senior Scientist (Agricultural Extension)
6. Dr. P. Prakash, Scientist (Agricultural Economics)

### HRD Team

Nodal Officer	: Dr. Sheela Immanuel, Principal Scientist E-mail: sheela.immanuel@icar.gov.in
Co-Nodal Officer	: Dr. P. Prakash, Scientist E-mail: prakash.pl@icar.gov.in
Members	: Dr. Shirly Raichal Anil, Dr. L.S.Rajeswari, Dr. S. Karthikeyan, Mr. T. Manikandan Nair, Ms. Rini Alocious, Mr. Sreenath Vijay and Mr. P. Aswin Raj

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**APPLICATION FORM**

Name	
Gender	
Designation & office address (if employed)	
Postal Address (In capital letters)	
Date of birth and age	
Nationality	
Educational qualifications	
Experience	
Mobile number	
Email ID	
Training course applied for	
Whether accommodation is required at ICAR-CTCRI (Yes/No)	

Date:

Place:

Signature of the applicant

**For office use only**

SAO/FAO/Cashier Pls.

A total amount DD / online payment of Rs.....+18% GST may  
be accepted from the candidate towards the training fee for. ....

.....

.....DD NO / Online transaction No .....

.....dated.....of.....

AAO, ESTABLISHMENT

Signature of the Course Director

**April 2024**

**TRAINING CALENDAR 2024-2025**

**Compiled and edited by**

**Dr. Sheela Immanuel, Dr. P. Prakash and Dr. D. Jaganathan**

**Published by**

**Dr. G. Byju  
Director**



**भाकृअनुप - केन्द्रीय कन्द फसल अनुसंधान संस्थान**

(भारतीय कृषि अनुसंधान परिषद्)

श्रीकार्यम, तिरुवनन्तपुरम 695 017, केरल, भारत

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***Tuber Crops for .....  
Food, Health, Wealth and Prosperity***



**ICAR-Central Tuber Crops Research Institute**






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Website: <https://www.ctcri.org>

Social Media

 Facebook  Twitter  Whatsapp  Instagram  You Tube

