

NOMINATION FORM

Centre for Advanced Faculty Training in Community Science
Professor Jayashankar Telangana State Agricultural University

21 days Training on

**“Sustainable Nutrisensitive Food Systems -
A multi pronged approach through Food,
Environment, Natural Resources and Technology”
27/01/2023 to 17/02/2023**

1. Name of the University and State:

2. Full Name: (In Block Letters): _____

3. Department and Designation: _____

4. Present employer and address:

5. Correspondence address with pin code:

Phone: Landline _____ Mobile _____

E-mail _____ Fax _____

6. Permanent address with pincode:

7. Date of birth :

8. Sex : Female / Male

9. Marital status : Married / Unmarried

10. Academic Record:

| Examination Passed | Subjects | Year of passing | Class/Rank distinctions | University institution | Other information |
|--------------------|----------|-----------------|-------------------------|------------------------|-------------------|
| | | | | | |

11. Professional experience and no of years :

Teaching: _____ Research: _____

Extension: _____ Administration: _____

12. Posts held in the past 3 years:

| Post | Organisation | Period | Nature of work |
|------|--------------|--------|----------------|
| | | | |

13. Current research areas of interest and major field of specialization

14. Number of publications : _____

A: Research Papers : _____

B: Popular Articles : _____

C: Books : _____

D: Instruction Manuals / Others : _____

15. Number of seminars, summer / winter schools / short courses etc attended during the previous years under ICAR / Other organisations :

16. Accomodation required: Yes _____ No _____

Date _____

Place _____ Signature of Applicant

Recommendations of forwarding Institute

Signature with Date :

Seal :

Last date for submission of Nomination form: 16-12-2022

The Brochure and Nomination form can be downloaded from
www.pjtsau.edu.in / www.cafths.in / www.cbpicar.gov.in

Note: Only online applications will be accepted hence fill the online applications. For uploading login as www.cbpicar.gov.in

Advance copy of nomination by soft copy may be sent by E-mail to:

Dr. T.Supraja, Course Director

Professor and Head, PGRC,

PJTSAU, Rajendranagar, Hyd-500030

suprajathoomati@gmail.com; caftcoursefn2023@gmail.com

For more information contact:

Course Director

Dr. T.Supraja

8500304325

CAFT Director

Dr. D. Ratna Kumari

9441274689

Venue:

Centre for Advanced Faculty Training in Home Science

Post Graduate and Research Centre, Community Science

PJTSAU, Rajendranagar, Hyderabad



CENTER FOR ADVANCED FACULTY TRAINING IN COMMUNITY SCIENCE

21 Days Training Programme

on

**“Sustainable Nutrisensitive Food Systems -
A multi pronged approach through Food,
Environment, Natural Resources
and Technology”**

27th January to 17th February 2023



Course Director

Dr. T. Supraja

Professor (Foods & Nutrition) and Head
Post Graduate & Research Centre, PJTSAU,
Rajendranagar, Hyderabad

Course Co-ordinators

Dr. P. Janaki Srinath

Assistant Professor (Foods & Nutrition)
College of Community Science, PJTSAU,
Saifabad, Hyderabad

Dr. G. Priya Sugandhi

Assistant Professor (Foods & Nutrition)
College of Community Science, PJTSAU,
Saifabad, Hyderabad

Organized by

Faculty of Community Science

Professor Jayashankar Telangana State Agricultural University
Rajendranagar, Hyderabad

2022-23

SUSTAINABLE NUTRISENSITIVE FOOD SYSTEMS - A MULTI PRONGED APPROACH THROUGH FOOD, ENVIRONMENT, NATURAL RESOURCES AND TECHNOLOGY

Introduction :

Sustainability creates and maintains conditions under which humans and nature can exist in productive harmony and fulfills the social, economic, and other requirements of present and future generations. During the last 50 years, the physical and functional availability of natural resources has shrunk faster than at any other time in history due to increased demand and degradation of biodiversity, soil, forests, water, and air. It is imperative to encourage environmentally responsible practices that conserve natural resources, minimize the quantity of waste generated, and support ecological sustainability of the food system. Zero-waste systems can be designed to maximize production and utilization. Bold actions are needed to protect, restore, and manage land, soil, and water sustainably to alleviate rural poverty and hunger, ensure long-term food and nutrition security, and build drought resilience. Nutrition-oriented agricultural systems are required to ensure that soil, plants, animals, and humans obtain diverse nutrients required for optimal growth and health.

General Objectives

- * To educate the trainees on the understanding the link between environment, food quality and health impact.
- * To impart training to faculty of ICAR institutes and Agricultural Universities to develop and upgrade skills pertaining to creating healthier sustainable food systems.

Course Content

- ❖ Understanding the link between environment-Food quality-diseases
- ❖ Impact of climate change on food and Nutritional security
- ❖ Environmental foot print of industrial food production.
- ❖ Soil health -impact on nutrition security.
- ❖ Use and impact of Antibiotics in food industry.

- ❖ Hormones in food industry -Effect on health
- ❖ Impact of pesticide drift and polluted surface water on nutritional security
- ❖ Impact of industrial fertilizers and pesticides on health.
- ❖ Changing Microbiomes of soil and gut-Impact and Challenges.
- ❖ Nutritional Security challenges in conventional food systems- Food production, processing and food distribution
- ❖ Indigenous Superfoods-role in nutrition security
- ❖ Innovative technologies in food processing for nutritional Security
- ❖ Bio preservatives in food processing
- ❖ Role of Bio fortification in nutrition security
- ❖ Role of GM Foods in food & nutrition security
- ❖ Biotechnological approaches for improving the food quality
- ❖ Technologies for sustainable food systems
- ❖ Cost estimation of processed foods in terms of environment
- ❖ Role of Biomimicry and 3 D food printing for mitigation of hunger
- ❖ Nutritional security through IoT
- ❖ Enterprise solutions for sustainable supply chain management
- ❖ The challenge of food wastage -food recycling
- ❖ Designing of food safety tools inclusive of novel challenges
- ❖ Recent advances in Sustainable food packaging and food containers
- ❖ Movement towards Environmental Nutrition
- ❖ The role of organic farming in achieving food and nutrition security.
- ❖ Green infrastructure for sustainable food production
- ❖ Advances in farming systems for crop diversification
- ❖ New global model for agriculture.

Visits:

Food recycling unit –Power generation unit -Hyderabad
Visit to Telangana Foods on fortified foods

Integrated Farming System Units - Deccan Development society

- ▶ Millet Processing and Incubation Centre, PJTSAU
- ▶ ICRIASAT – Resilient food systems
- ▶ Rural Technology Park, NIRD, Rajendranagar, Hyderabad
- ▶ Visit to atmospheric water generation plant/biofertilizer from solid waste etc
- ▶ Hydroponics unit/Innovative farmers-farming units
- ▶ **Benefits for the participating organizations:** The participants will have interactive sessions with the teaching faculty of the course. The training will be in the form of lectures by experts followed by hands on training. Group discussions and projects involving concept development on establishment of nutrisensitive food systems
- ▶ **Host Faculty:** CAFT Community Science is the only centre in India to cater to the needs of related faculty. The teaching faculty will be from the host institute as well as related Institutions like NIN,IIT,IIPH,ICRIASAT, NAARM, MANAGE, Food Industries, Entrepreneurs, ICAR – NRC – Meat, and other related organizations.
- ▶ **Invitation to participants:** PJTSAU invites faculty with a minimum of 3 years experience related fields are requested to fill in online application forms and send the duly filled Nomination Form to the Course Director on or before 16-12-2022.

The boarding, lodging and travel expenses of selected participants will be borne by CAFT under the budget allotted to training programmes to faculty of State Agricultural Universities, and ICAR Institutes as per ICAR guidelines. Travel expenses will be restricted to II tier AC sleeper class of train and based on the criteria of the pay scales of participants. The participants will be hosted at either ICAR - IIOR or NAARM or EEI guest house at Rajendranagar.

Venue :

The training will be conducted at the Post Graduate and Research Centre, PJTSAU, Rajendranagar, Hyderabad.