



CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA

FACULTY DEVELOPMENT PROGRAMME

on

“Recent Advances in Crop Management”

14th to 19th June, 2021

Resource Person:

1. Dr. A. R. Sharma,
Director of Research, RLBCAU,
Jhansi, UP

2. Dr. S. Mukhopadhyay, Professor (Retd.).
Punjab Agricultural University (PAU),
Ludhiana, Punjab

3. Dr. V. P. Ramani,
Associate Director of research,
AICRP- Micronutrient Research Scheme,
Anand Agricultural University, Gujarat

4. Dr. A. B. Sharangi,
Professor & Former Head,
BCKV, Mohanpur, West Bengal.

5. Dr. V. Bhargav,
Assistant Professor (Horticulture), MTTC & VTC,
Central Agricultural University, Naku Nachibon,
Arunachal Pradesh.

No. of Students and/or Faculty Participated: 80

About the Session:

The session aims to discuss and present recent advancements in the field of weed management, nutrient management, climate resilient horticulture mostly spices, soils in Ecosystem functions and urban horticulture. The speakers have wide and extensive background in the respective fields with years of research & teaching experience. This will equip the faculties to change the approach from the conventional ways to more advanced and sustainable ways of managing the crops in their research fields.

Objectives:

- To learn CA techniques and advancement in weed management
- To study crop and plant nutrient management
- To study climate resilient and urban horticulture

Outcomes:

The growing population poses the risk of food security as well as environmental risk. The intensive farming systems, with inputs like narrow genetic base, high dose of fertilizers, pesticides, irrigation, monocropping has degraded the soil and environment. This has led to changing global climate, particularly the sharp increase in CO₂ concentration, has increased the susceptibility of plants to pathogens and pests. The pressure to increase the food grain production with limited land area has endangered eco-friendly and novel approaches for pest management. Various methods like remote sensing methods for non-destructive monitoring of plant growth and development and for the detection of many environmental stresses which limit plant productivity were discussed. This will provide detailed spatial and temporal information on plant response to their local environment that is needed for site specific agricultural management approaches.

The session also included techniques and information on site-specific and real-time nitrogen management, non-destructive quick test of the nitrogen status of plants, new types of slow release and controlled release fertilizers, site-specific nutrient management, and use of urease inhibitor and nitrification inhibitor to decrease nitrogen losses. The impact of climate change on different horticultural crops and focuses on the adaptation strategies based on the scientific knowledge generated by the experts in different agro-climatic regions in India were discussed in the sessions.



Centurion University of Technology and Management
M. S. Swaminathan School of Agriculture
Paralakhemundi (Gajapati)
Odisha, India
Faculty Development Programme
on
"Recent Advances in Crop Management"
14-19th June, 2021 (11:30 AM – 1:00 PM)



Dr. A.R. Sharma, Director of Research,
Rani Lakshmi Bai Central Agricultural University (RLBCAU),
Jhansi, Uttar Pradesh

Conservation Agriculture
(Date 14-06-2021)
Advances in Weed Management
(Date 15-06-2021)



Dr. S. Mukhopadhyay, Professor (Retd.),
Punjab Agricultural University (PAU), Ludhiana, Punjab

Soils in Ecosystem Functions in
Post Covid Scenario
(Date 16-06-2021)



Dr. V. P. Ramani, Associate Director of Research,
AICRP- Micronutrient Research Scheme, Anand Agricultural
University, Anand, Gujarat

Innovations in Nutrient
Management
(Date 17-06-2021)



Dr. A. B. Sharangi, Professor & Former Head
(Secretary, Faculty Council, F/Hort) Bidhan Chandra Krishi
Viswavidyalaya (BCKV), Mohanpur, West Bengal

Climate-Resilient Horticulture
with special focus on Spices
(Date: 18.06.2021)



Dr. V. Bhargav, Assistant professor (Horticulture),
MTTC & VTC, Central Agricultural University (CAU), Naku
Nachibon, Arunachal Pradesh

Urban Horticulture
(Date 19-06-2021)

Brochure Related to the Event

List of Participants

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