

**DIRECTORATE OF RESEARCH
ANAND AGRICULTURAL UNIVERSITY
UNIVERSITY BHAVAN, ANAND-388 110(Gujarat)**



Dr. K. B. Kathiria
Director of Research & Dean PG Studies

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No.AAU/DR/RES/T-2/

/2015

Date: 13-07-2015

To,

All the Unit / Sub Unit Heads
AAU, Anand

Please find attached herewith an e-mail dated 8th July, 2015 received from Dr. Arunkumar Singh, Principal Scientist & Head, ICAR- Research Complex for Eastern Region Research Centre, Plandu, Ranchi-834 010 (Jharkhand) regarding ICAR-sponsored winter school on, **“Recent advances in improving water productivity in eastern plateau and hill region”** which will be scheduled from 25th September to 15th October, 2015 at ICAR- Research Complex for Eastern Region Research Centre, Plandu, Ranchi. This is for your kind information and further necessary action.

Encl : As Above


**DIRECTOR OF RESEARCH & DEAN
FACULTY OF P. G. STUDIES**



Vice Chancellor AAU, Anand <vc@aaui.in>
To: AAUDR Director of Research <dr@aaui.in>

Wed, Jul 8, 2015 at 6:23 PM

The email is forwarded for information and further necessary action, if any, as per the instruction of Hon. Vice Chancellor.

PS to Vice Chancellor

From: ICARRCER RC <headicarrcerranchi@gmail.com>

Subject: ICAR sponsored winter school- 25th September to 15th October, 2015 – Reg.

To: ang@au.vc@yahoo.com, vcauketa@gmail.com, vc@aau.r.kvituarbaua@rediffmail.com, bokvvc@gmail.com, vcbausabout@gmail.com, vc@bauranchi.org, vc@cs.uk.ac.in, vc@net.smet.in, vc@rediffmail.com, vc@skv@yahoo.co.uk, vc@t-jk.ac.in, vc@t@yahoo.com, vc@mysitu.edu.in, vc@net@gmail.com

Cc: vc@au.in, vc@kal.in, vc@pa.vj@yahoo.co.uk, vc@vpa.gov.in

It gives me immense pleasure to inform you that ICAR-RCER, R C Ranchi is organizing ICAR-sponsored winter school on 'Recent advances in improving water productivity in eastern plateau and hill region' during 25th September to 15th October, 2015. This program has been planned with the broad objectives of imparting knowledge to teachers, researchers and extension specialists about the recent technologies to improve the water productivity of agriculture. It would also provide a common platform to the participants for interaction and exchange of experiences. **The number of participants will be limited to 25 on first-come-first basis.**

In this regard I request you to kindly nominate eligible scientists from NARS professionals including KVKs who are actively involved in production of horticultural crops. Registration fee of Rs 50 per participant is fixed as per the ICAR guidelines. Participants will be paid to and fro journey fare by rail or bus or other means of transport in vogue, for travel by the shortest route. The payments will be made as per their class of entitlement but restricted to the maximum of AC II tier train fare. **The last date for receiving the nominations is August 10, 2015.** The selected candidates will be informed by 25th August 2015 by e-mail. The program brochure along with nomination form is enclosed for our kind reference and utilization.

With kind regards,

Yours sincerely,

(A K Singh)

Dr Arun Kumar Singh, FISVS & FCHAI
Principal Scientist & Head
ICAR-Research Complex for Eastern Region
Research Centre, Ranchi
Plandu Ranchi-834 010
Jharkhand, INDIA

2851

Dec 26
1917



Winter School on

Recent Advances in Enhancing Water Productivity in Hill and Plateau Region

September 25 – October 15, 2015

Ranchi, Jharkhand

Course Director

Dr. A. K Singh
(Head)

Coordinator

Dr. Bikash Das

Co-coordinator

Dr. Santosh. S Mali



ICAR-Research Complex for Eastern Region

Research Centre, Ranchi

Plandu, Ranchi-834010, Jharkhand

Introduction

In the context of growing water scarcity and the increasing demands for food and fiber, we must succeed in producing more food with less water. There is growing emphasis on increasing productivity of existing water resources. The concept of WP reflects the objectives of getting more value or benefit from each drop of water used for crops, fish, forests and livestock while maintaining or improving ecosystems. In order to achieve the twin objectives of food security and livelihood improvement it is important to use water judiciously and with utmost precision.

The eastern plateau and hill region is characterised by high but variable rainfall (1,100-1,600 mm, 80% June-September), frequent and sometimes long dry spells within the monsoon and little irrigation (~10 % of area) in the post-rainy (*rabi*) season. Uplands are degraded and make little contribution to overall productivity. Attempts to raise the water productivity have demonstrated promising results in the region. Efficient and productive use of water can bring better nutrition, more income and productive employment to the farmers of the region.

Increased water productivity leads to reduced investment costs by reducing the amount of water that has to be withdrawn from the source. Higher WP reduces the need for additional water and land resources in irrigated and rainfed systems, thereby reducing the pressure on water resources.

Objectives

This winter school is planned to provide the state-of-the-art knowledge to the faculty of SAUs/ICAR on recent advances in technologies to increase the WP in various sectors of agriculture.

Course Content

The course content includes the concepts, methodologies, constraints and examples on improving water productivity drawn across various sub-domains of agriculture practiced in the eastern plateau and hill region. The course include the following themes with particular emphasis to water resource management in the context of increasing water productivity.

- Concepts of water productivity and their utility in precise water use
- Crop options to improve water productivity.
- Precision water and fertilizer management in horticultural crops.
- Topo-sequential water harvesting, farm ponds and multiple uses in rainfed areas.
- Technological advancements to enhance WP in crops, animal husbandry, mushroom and fish production.
- Integrated farming systems for livelihood security in rainfed ecosystem.
- Recent advances in protected cultivation, conservation agriculture, GIS applications in water management.
- Climate change and potential impact on water productivity

Eligibility

The course is open for participants from ICAR/SAUs, central agricultural universities and KVVKs. The participants should possess Master's Degree in Agriculture and allied disciplines. Applicants working in the rank of Assistant Professors and equivalent or above under Agricultural Universities, ICAR Institutes & Deemed Universities, who have at least 2 years of teaching/research experience are eligible to participate in the winter school.

How to Apply

Application may be made in the prescribed format and forwarded by the competent authority. Candidates are required to pay a non-refundable registration fee of Rs. 50/- at the time of registration in the form of DD payable to "Director, ICAR-RCER, Patna". An advance copy of the application form may be send if delay is anticipated in forwarding the application through proper channel, which must not be one week later than closing date. A scanned copy of the completed application form may be send to the e-mail of the course coordinators. Closing date for the receipt of applications is **August 14, 2015**. Selection of the candidates will be made on first-come-first serve basis. The total number of participants shall be limited to 25 only. The selected candidates will be intimated by **August 25, 2015**.

Travel, Lodging and boarding

The lodging, boarding, to-and-fro fare (TA) and DA expenses of the selected candidates will be provided as per the ICAR norms and as per their entitlement for the class of travel restricted to the maximum of AC II/III Tier, bus fare or other means of transport by the shortest route. Actual TA will be paid for the travel from place of duty to RC Ranchi and upon production of documentary proof. Participants are requested to send their plan in advance. Participants will be provided free lodging and boarding.

How to reach

Ranchi has good connectivity through air, rail or road. The Research Centre Ranchi is famously known as ICAR Plandu. Participants can reach R. C. Ranchi by auto/taxi plying from station to Rampur bazar via Nankum chowk. Transport facility can be arranged for the participants provided they submit the travel plan in advance.

Important Dates

Last date of application receipt: August 14, 2015
Notification of acceptance : August 25, 2015

Contact Details

Dr. Bikash Das
E-mail: bikash41272@yahoo.com
Tel: +91-87977-95113
Dr. Santosh S. Mali
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Tel: +91-80925-56024
Phone (O) : 0651-2260141
Fax (O) : 0651-2260207
Web: www.icarrcer.in

REGISTRATION FORM

NAME :
Designation :
Organization :
Mailing Address :
E-mail :
Tel (O) : (M)
Gender :
Date of Birth :
Academic Record:

Ph.D.
M.Sc./
M.Tech.
B.Sc./
B.Tech.

Teaching/Research/Professional experience
(Mention post held and duration)

Number of Publications (last 5 years) :

Training courses attended in last 5 years in
ICAR/Other organizations:

Guest house accommodation required: Yes/No

Date :
Place : Signature of the Applicant

Recommendation of the forwarding institution

Name and Designation:
Address:

Date: Signature and Seal