



भारतअनुप - भारतीय मृदा एवं जल संरक्षण संस्थान

अनुसंधान केंद्र, फर्नहिल (पोस्ट), उधगमण्डलम

नीलगिरी जिला, तमिल नाडू, भारत

ICAR-INDIAN INSTITUTE OF SOIL & WATER CONSERVATION

(DARE, Ministry of Agriculture, Govt. of India)

Research Centre, Fernhill PO, Udhagamandalam - 643 004

The Nilgiris, Tamil Nadu, India

Ph. +91 423-2443992 (O) Mob. +91 8875197316 Email: prajanbss@gmail.com; prajaicariiswc@gmail.com



DST/TR 2/2019-20

4 Nov., 2019

Dr.P.Raja

Principal Scientist (Soil Science) & Course Director

Sub: Request for nomination to DST Training Programme during Feb.3-7, 2020 at ICAR-IISWC, RC, OOTY-Reg

Respected Sir/Madam

Greetings from ICAR-IISWC, RC, Ooty. By the by, I request you to kindly nominate minimum of two scientists/Officers each from your University/Institute/research centre/station to attend our DST funded National level training programme titled **“Integrated Nutrient Management and Nutrient Budgeting through Advanced Models to improve Crop Productivity” (5 Days)** from 3rd – 7th Feb.2020 at our ICAR-Indian Institute of Soil and Water Conservation, Research Centre, Udhagamandalam, Tamil Nadu. The training program is designed for the Scientists / Technologists/Teachers holding scientific posts / working in scientific Ministries / Departments of Govt. of India and State Governments, Autonomous Institutions / Public Sector Undertakings of Central / State Governments, Research and Development Institutions/ Research Laboratories of Central / State Governments, Central / State Universities, State Science & Technology Councils to acquaint the participants about the latest tools, advanced techniques and models for effective integrated nutrient management (INM training).

Free boarding and lodging will be provided. Travel reimbursement will be provided up to AC II tier in train from DST fund.

I request you to kindly nominate 2 scientists/officers with sufficient experience from your elite institution for the INM training programme.

Application procedure and eligibility conditions are provided in the attached brochures.

Interested scientists may please visit following web link for further details:

Web link: <http://www.cswcrtiweb.org/index1.html?Training/NOTIFICATION/Notification.htm>

Yours truly,

Thanking you, Sir,
With Best Regards,

HRD
Amr
8/11/19

W/ for

8/11/19

Comments
HD (Cep. P. Raja)
(P.Raja)
11/11/19

NOMINATION FORM

TRAINING PROGRAMME / INSTITUTE, DATE OF TRAINING				
NAME Prof. / Dr. / Mr. / Ms.				
DESIGNATION		ORGANISATION		
DATE OF BIRTH		DATE OF ENTRY IN GOVT SERVICE (AS GROUP 'A')		
SEX (M/F)		PRESENT PAY AND PAY LEVEL		
CATEGORY (GEN / SC / OBC)				
COMPLETE ADDRESS / CONTACT NUMBER / E-MAIL				
EDUCATIONAL / PROFESSIONAL QUALIFICATIONS / GRADUATION ONWARDS				
SL.No.	YEAR	DEGREE	UNIVERSITY / INSTITUTE	
RESEARCH EXPERIENCE				
SL.No.	YEAR	TOPIC OF RESEARCH	SPONSORING AGENCY	
EXPERIENCE / POSTING FROM LEVEL SCIENTIST 'B' ONWARDS (IN GROUP 'A')				
SL.No.	NAME OF THE ORGANISATION	POST HELD	FROM	TO
TRAINING ATTENDED				
SL.No.	YEAR	NAME OF THE TRAINING PROGRAMME	NAME OF THE INSTITUTE	DURATION
SPECIFIC AREA IN WHICH SKILL UPGRADATION DESIRED		1		
		2		
		3		

Signature of the Candidate

RECOMMENDATION BY THE CONTROLLING
OFFICER (SIGNATURE OF THE RECOMMENDING
OFFICER)

Name & Designation with Seal

N. B. : Mail this form to email id. of course director
prajanbss@gmail.com under intimation to the
Under Secretary (Training), DST at trngcell.dst@nic.in

Accommodation & Travel

Free lodging and boarding facilities will be provided to the participants in the institute's hostel. Institute has furnished room with dining and recreational facilities in the campus. Candidates are encouraged to seek travel allowance (TA) from their respective parent institutes. However, on submission of certificate of non-availing of travel allowance (TA) from the competent authority of their parent institutes, the organizers will reimburse travel expenditures of the participants restricted to AC 2 tier train fare to the shortest route on production of tickets. If participants opt for Air travel, Air India tickets only will be reimbursed up to AC 2 tier train fare.

How to reach the venue

Udhagamandalam is popularly known as Ooty and is well connected by road from Bangalore, Mysore, Calicut, Palakkad and all cities of Tamil Nadu. Coimbatore is the nearest Airport and Railway station which is 90 km away from Udhagamandalam. Transport will be arranged for pick up on arrival at Udhagamandalam bus stand to Research Centre and drop at bus stand on departure.

Weather Condition

The weather condition of Udhagamandalam during the training period will be warm day and cool night. The trainees are advised to bring warm clothes.

Address for correspondence

Dr. P. Raja
Course Director & Principal Scientist (Soil Science)
ICAR-Indian Institute of Soil and Water Conservation,
Research Centre, Fernhill (PO),
Udhagamandalam-643 004, The Nilgiris, Tamil nadu.
Email ID: prajanbss@gmail.com;prajaicariiswc@gmail.com
Contact No.: 8875197316

Also can contact

Dr. K. Rajan
Principal Scientist & Course Co-Director
Email ID: krajanars@gmail.com; Mob: 9790445504

Dr. H.C. Hombe Gowda
Senior Scientist & Course Co-Director
Email ID: hombegowdaars@gmail.com; Mob: 9437955519

Important Dates

- Last date for receiving application : 16.12.2019
- Intimation to selected candidate : 18.12.2019
- Confirmation from selected candidate : 20.12.2019

Note: Decision of the Course Director shall be final in all the training related issues.

Information Brochure



Department of Science and Technology
Government of India, New Delhi

Sponsored

Training programme

On

**Integrated Nutrient Management and Nutrient
Budgeting through Advanced Models to
Improve Crop Productivity**

3rd - 7th February, 2020

At

CAR - IISWC, Research Centre, Udhagamandalam (Ooty)
The Nilgiris, Tamil Nadu

Course Director

Dr. P. Raja

Principal Scientist (Soil Science)

Course Co-Directors

Dr. K. Rajan, Principal Scientist (Soil Science)

Dr. H.C. Hombe Gowda, Senior Scientist (Forestry)



Organized by

**ICAR – Indian Institute of Soil and Water
Conservation, Research Centre,
Udhagamandalam (Ooty) – 643 004,
The Nilgiris, Tamil Nadu, India**

Background

Integrated Nutrient Management (INM) is maintenance of soil fertility and supply of plant nutrients to an optimum level for sustaining the desired crop productivity through optimization of benefits from all possible sources of plant nutrients in an integrated manner. This concept of nutrient management brings cultural operations, chemical fertilizers, organic sources, legumes, crop residues and bio-fertilizers together in a systematic way to supply plant nutrients in an optimum level. The deficit of 10 million tons of inorganic nutrient production in India can be compensated through INM practices to the maximum extent. Therefore, the dependency on chemical fertilizer is drastically reduced. The long term studies in India revealed that neither chemical fertilizers nor organic sources in isolation can achieve sustained production. Integration of all possible sources to supply plant nutrients starts from land preparation to crop maturity stage and to obtain higher productivity. It brings in account of available nutrients from soil, manures, crop residues, chemical fertilizers and bio-fertilizers to ensure the optimum supply of nutrients to crops. Hence, the improvement and maintenance of soil fertility through integrating various nutrient sources along with fertilizer is helpful for sustaining crop productivity on a long-term basis. INM practices will prevent ill effects such as acidification, imbalanced nutrients, low fertility and eutrophication, thus bring sustainability in getting profitable crop yield. Instead, optimum growth, yield and quality of crops and cropping system can be achieved. Though, the INM brings all possible nutrient sources together for optimum supply of plant nutrients, the balanced nutrient supply need to be ensured through nutrient budgeting for each crop. An accurate nutrient budgeting with appropriate Decision Support Systems (DSS) will help us to avoid potential problem in time arising from nutrient surplus and deficit. Nutrient budgeting helps and ensures that the farming practices are conducted in an efficient, economic and environmentally sustainable manner. Therefore, INM practices and nutrient budgeting are helpful in maintaining optimum soil fertility, crop yield and environmental conditions. Keeping all these in view, DST sponsored training programme on Integrated Nutrient Management and Nutrient Budgeting through Advanced Models to Improve Crop Productivity will be organized from 3rd to 7th February, 2020 by ICAR – Indian Institute of Soil and Water Conservation, Research Centre, Udhagamandalam (Ooty).

Objectives

1. To explore the imperceptible changes in soil fertility for its improvement and sustenance of soil resilience to achieve desired crop productivity through integrated nutrient management.
2. To update on the nutrient management technology in relation to its importance, application as a tool for crop improvement.
3. To provide exposure to "NUTMON" Tool Box and other models (both theory and practical) to nutrient budgeting at micro and macro level.
4. To provide insight in to organic, inorganic and precision farming with DSS (both theory and practical)
5. To orient the scientists to understand policy issues – nutrient subsidy, fertilizer control order, new directives for sustainable farming.

Course Module

- Integrated Nutrient Management (INM) - Principles and applications
- Nutrient budgeting - Different spatial scales – micro and macro level- Theory
- DSS / Models in nutrient management – Theory
- Hands on training- "NUTMON" Tool Box – practical with case studies under different management scenarios.
- Macro-micro nutrients and soil health issues.
- INM under changing climate scenario
- Nutrient budgeting – Organic, Inorganic farming, Precision farming, Agroforestry system etc.
- Policy issues – Nutrient subsidy, fertilizer control order, new directives for sustainable farming

About the Host Institute

Government of India on 20th October 1954 established a Soil Conservation Research, Demonstration and Training Centre at Udhagamandalam in Tamil Nadu. Later on, this centre along with other such centres under the Ministry of Agriculture were transferred to the Indian Council of Agricultural Research in 1967 and subsequently brought under the administrative control of Central Soil and Water Conservation Research and Training Institute, Dehradun. Recently, the Institute has been renamed as Indian Institute of Soil and Water Conservation.

The primary mandate of this regional centre is to undertake research and develop technologies for controlling land degradation under all primary production systems and rehabilitating degraded lands in the high rainfall hilly regions of southern India. The centre is involved in imparting specialized training on soil and water conservation and watershed management, undertaking consultancies on planning, execution and evaluation of soil and water conservation projects and watershed management. Demonstrating package of practices for higher production without deteriorating natural resources also form integral component of the mandate of the centre.

The centre is actively involved in developing models on participatory integrated watershed management in semi-arid and high rainfall hilly regions for sustainable development and rural transformation. The centre conducts different types of short courses of one to two weeks duration in the field of soil and water conservation, agro-forestry and watershed management sponsored by Central and State Governments, autonomous bodies and NGOs. One to four months practical training programme is also organized for the College / University students.

Duration

3rd to 7th February, 2020

Eligibility

Applicants should be from any discipline of agriculture or allied sciences working as Scientist / Technologist / Engineers/Teachers with a maximum age limit of 58 years. They should have a minimum working experience of 9 years in Central and State Governments / Central and State Universities / Autonomous Institutions / Public sector undertakings and any other R & D institutes under Central or State Government. The total number of participants is restricted to a maximum of 25.

Application Procedure

The interested scientists/teachers/officers of government departments can send the filled, approved and forwarded applications to the following address:

Dr. P Raja

Course Director & Principal Scientist (Soil Science)
ICAR-Indian Institute of Soil and Water Conservation,
Research Centre, Fernhill (PO)

Udhagamandalam-643 004,

The Nilgiris, Tamil nadu

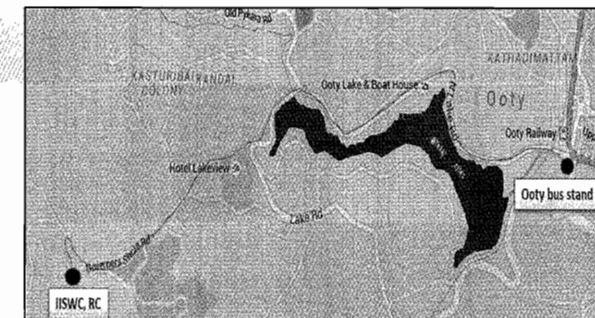
Email ID: prajanbss@gmail.com; prajaicariiswc@gmail.com

Contact No.: 8875197316

The soft copy of the advance application may be sent to the following Email address :

prajanbss@gmail.com; trngcell.dst@nic.in

Route map to ICAR- IISWC, RC, Udhagamandalam



Distance Between Ooty Bus Stand to IISWC,RC Udhagamandalam - 4 km

EXPERIENCE / POSTINGS FROM LEVEL SCIENTIST 'B' ONWARDS (IN GROUP 'A')				
SL.NO.	NAME OF THE ORGANISATION	POST HELD	FROM	TO

TRAINING ATTENDED				
SL.NO.	YEAR	NAME OF THE TRAINING PROGRAMME	NAME OF THE INSTITUTE	DURATION

SPECIFIC AREA IN WHICH SKILL UPGRADATION DESIRED	<ol style="list-style-type: none"> 1. 2. 3.
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Signature of the Candidate

RECOMMENDATION BY THE CONTROLLING OFFICER

(SIGNATURE OF THE RECOMMENDING OFFICER)
Name & Designation with Seal

N.B. : Mail this form to the concerned Training Institute under intimation to the Under Secretary (Training), DST at trngcell.dst@nic.in

BIODATA

NAME Prof/Dr/Mr/Ms.															

DESIGNATION															
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ORGANISATION															

DATE OF ENTRY IN GOVT. SERVICE (AS GROUP 'A')															
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CATEGORY (GENERAL/SC/ST/OBC)														
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DATE OF BIRTH														
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SEX (M/F)		
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PRESENT PAY															

COMPLETE ADDRESS (OFFICE)															

COMPLETE ADDRESS (RESIDENCE)															

CONTACT DETAILS	PHONE (O)	PHONE (R)	MOBILE NO.	E-MAIL

EDUCATIONAL / PROFESSIONAL QUALIFICATIONS (GRADUATION ONWARDS)					
SL. No.	EXAMINATION/ DEGREE	UNIVERSITY/ INSTITUTE	YEAR	SUBJECT	DIVISION/PERCENTAGE OF MARKS

EXPERIENCE / POSTINGS (IN GROUP 'A') (FROM THE LEVEL OF SCIENTIST – 'B' ONWARDS)					
SL. No.	NAME OF THE ORGANISATION	DESIGNATION	FROM	TO	DUTY PERFORMED

TRAINING ATTENDED				
SL. No.	YEAR	NAME OF THE TRAINING PROGRAMME	NAME OF THE INSTITUTE	DURATION

RESEARCH EXPERIENCE				
SL. No.	YEAR	TOPIC OF RESEARCH	SPONSORING AGENCY	GIST OF RESEARCH

PAPER PUBLISHED / PATENT FILED / OBTAINED				
SL. No.	YEAR	TOPIC OF PAPER/BOOK	GIST OF PAPER	NAME OF JOURNAL/ MAGZINE/PUBLISHER

Briefly give details of significant contribution made by you in the field of Science & Technology during your Service career (200 words).

Date:

Signature