

# देश में 29 फीसद मिट्टी की गुणवत्ता हो चुकी खराब

## एफआरआइ में मृदा, पादप और जल विश्लेषण प्रशिक्षण शुरू

जागरण संवाददाता, देहरादून: वन अनुसंधान संस्थान (एफआरआइ) की निदेशक डॉ. सविता ने कहा कि देश की 29 फीसद मृदा की गुणवत्ता खराब हो चुकी है। यूनाइटेड नेशंस कन्वेंशन टू कॉम्बैट डिजर्टिफिकेशन (यूएनसीसीडी) के अनुसार प्रति मिनट 10 हेक्टेयर भूमि विभिन्न गिरावट प्रक्रियाओं में खराब हो रही है। ऐसे में विभिन्न प्रकार के भूमि की जांच में मृदा के परीक्षण और भूमि सुधार के लिए उपाय करना बेहद जरूरी है। यह बात उन्होंने भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद (आईसीएफआरई) से संबंधित संस्थानों के अधिकारियों और कार्मिकों के पांच दिवसीय प्रशिक्षण कार्यक्रम में कही।

सोमवार को 'एडवांस टेक्निक्स इन सॉयल, प्लांट एंड वाटर एनालिसिस' प्रशिक्षण कार्यक्रम का शुभारंभ करते हुए निदेशक डॉ. सविता ने कहा कि वर्तमान की चुनौतियों से निपटने में यह प्रशिक्षण



कार्यशाला को संबोधित करती एफआरआइ की निदेशक डॉ. सविता • जागरण

कारगर साबित होगा। जो कार्मिक प्रयोगशाला में प्रशिक्षण से संबंधित विषय पर काम कर रहे हैं, उन्हें आधुनिक तकनीक के बारे में भी जानकारी मिलेगी। निदेशक डॉ. सविता ने संस्थान के मृदा एवं भूमि सुधार प्रभाग की ओर से तैयार की

गई मृदा स्वास्थ्य कार्ड परियोजना की भी जानकारी दी। उन्होंने बताया कि इससे देश के मृदा डाटाबेस के निर्माण में भी मदद मिल पाएगी। इस अवसर पर प्रभाग प्रमुख डॉ. विजेंद्र पाल पंवार, डॉ. पारुल भट्ट, डॉ. बीएम डिमरी आदि उपस्थित रहे।

शाह टाईम्स

06.02.2018

# मिट्टी में हो रही गिरावट रोकना अहम: डॉ. सविता

एफआरआई में वन मृदा एवं भूमि सुधार प्रभाग ने आयोजित किया प्रशिक्षण कार्यक्रम

शाह टाईम्स संवाददाता

देहरादून। वन मृदा एवं भूमि सुधार प्रभाग, वन अनुसंधान संस्थान की ओर से एक पांच दिवसीय प्रशिक्षण कार्यक्रम 'एडवांस तकनीक इन सोएल, प्लांट एण्ड वाटर एनालाईसिस' विषय पर आयोजित किया जा रहा है।

भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद के अनुसंधान समर्थक अधिकारियों एवं कर्मचारियों के लिए 5 से 9 फरवरी तक चलेगा। इस प्रशिक्षण कार्यक्रम का मुख्य उद्देश्य प्रयोगशाला विश्लेषण के लिए कौशल और नई तकनीकों का विकास करना है। प्रशिक्षण का शुभारंभ मुख्य अतिथि निदेशक वन अनुसंधान संस्थान डॉ. सविता ने किया। उन्होंने प्रतिभागियों को वर्तमान चुनौतीपूर्ण माहौल में मृदा,



पादप एवं जल जोकि लगातार घट रहे हैं, के विश्लेषण में अग्रिम तकनीकों पर प्रशिक्षण कार्यक्रम के महत्त्व तथा वर्तमान जरूरतों के बारे में बताया। उन्होंने कहा कि मृदा तथा पौधों के पोषक तत्व की स्थिति उनके स्वास्थ्य के एक संकेतक के रूप में कार्य करती है। हमारी 33 वैश्विक मृदा तथा 29 प्रतिशत भारतीय मृदा पहले से ही खराब हो चुकी है। प्रति मिनट 10 हेक्टेयर भूमि विभिन्न गिरावट प्रक्रियाओं में खराब होती जा रही है। इसलिये विभिन्न प्रकार के

भूमि क्षरण की जाँच में मृदा का परीक्षण तथा भूमि सुधार के लिए उपायों को चुनने तथा मृदा में हो रही गिरावट को रोकना भी महत्त्वपूर्ण है। उन्होंने मृदा स्वास्थ्य कार्ड परियोजना के बारे में भी संबोधित किया जोकि वन मृदा एवं भूमि सुधार प्रभाग, वन अनुसंधान संस्थान की ओर से तैयार किया गया है जिसका मकसद देश की वन मृदा का स्वास्थ्य कार्ड बनाना है। यह देश के मृदा डाटाबेस के निर्माण में सुविधा प्रदान करेगा तथा उपयुक्त निवारक उपायों की

शुरुआत के लिए समय-समय पर मृदा के स्वास्थ्य स्थिति में होने वाले परिवर्तनों की निगरानी करेगा।

उद्घाटन अवसर पर डॉ. विजेन्द्र पाल पंवार, प्रभाग प्रमुख, वन मृदा एवं भूमि सुधार प्रभाग, डॉ. पारूल भट्ट कोटियाल, वैज्ञानिक-डी एवं कोर्स समन्वयक ने प्रशिक्षणार्थियों को पाँच दिनों के प्रशिक्षण मॉड्यूल के बारे में बताया। डॉ. बीएम डिमरी, वैज्ञानिक-डी, वन मृदा एवं भूमि सुधार प्रभाग ने प्रशिक्षण में शामिल होने पर सभी का आभार जताया।



# Training on "Advance Techniques in Soil, Plant and Water Analysis" from Feb 5 to 9

**DEHRADUN, FEB 5 (HTNS)** Forest Soil and Land Reclamation Division, Forest Research Institute, Dehradun is organizing a training programme on "Advance Techniques in Soil, Plant and Water Analysis", for Research Support Staff of ICFRE Institutes from February 5 to 9 at FRI, Indian Council of Forestry Research and Education (ICFRE), Dehradun has nominated and sponsored 12 Technical Officers and Staff from various Research Institutes of ICFRE for their training under Human Resource Development Program. The main focus on this training is to develop skill and new techniques for laboratory analysis i.e. up-gradation in order to enhance the knowledge base and work efficiency of supporting staff. Because the supporting research staff is a backbone of research with scientists of ICFRE institute working in various projects of recent trend in different field of soil, water, climate change, and many other rehabilitation work in the institute across the country. ICFRE expects that the trainees will function more effectively by getting exposure from the information, concepts and techniques learned in soil, water and plant analysis.

Soil, water and plant analysis and its testing is an indispensable tool for research, advisory services and pre-requisite for giving recommendations, as well as designing appropriate soil



management practices.

Dr. Savita, IFS, Director, FRI inaugurated the training programme as Chief Guest. She addressed the participants regarding importance and present needs of training programme on "Advance Techniques in Soil, Plant and Water Analysis" for this challenging environment which is continuously degrading in many ways and should be addressed by people working on various research programme. As the nutrient status of soil and plant acts as an indicator of their health. 33% of our global soils and 29% of Indian soils are already degraded. According to United Nations to Combat Desertification (UNCCD) every minute 10ha land is lost to various degradation processes. Therefore, soil testing in particular is also important in monitoring the various types of land degradation and the choice of measures for land improvement and stopping the further land degradation. She

also addressed about "Soil Health Card" project prepared by Forest Soil and Land Reclamation Division, Forest Research Institute, Dehradun with the aim to collaborate and undertake a task to prepare Forest Soil Health Cards in the country. This will facilitate building up of the soil database of the country and monitor the changes occurring in the soil health status periodically for initiating suitable preventive measures. It will be a coordinated project and all ICFRE institutes will work on this project. Before this, Dr. V. P. Panwar, Head, Forest Soil and Land Reclamation Division gave the welcome speech and told that how important this training program is for the research support staff of ICFRE. Dr. Parul Bhatt Kotiyal, Course Coordinator of this training programme briefed the participants regarding training module for five days. The important topics will be taught to the participants by various resource persons such as; soil, plant and water relationship in forestry ecosystem, Soil conser-

vation and water management, Soil survey and profile study, Microbial analysis of soil, Sustainable soil fertility management, Rehabilitation of degraded areas, Analysis techniques for pH, EC, Available Phosphorus, Potassium and Nitrogen in soil, Hands on training to determine above parameters will also be given in laboratory followed by field trip to reclamation of mined areas, types of soil erosion, forest types and vegetation after forest fires will also be conducted.

Besides this many other topics on soil, plant and water analysis will be delivered to the participants. Dr. B. M. Dimri, Scientist-D, Forest Soil & Land Reclamation Division, Forest Research Institute, Dehradun conveyed the vote of thanks to participants, Chief Guest, all Head of Divisions, FRI, staff and officers of Forest Soil and Land Reclamation Division, FRI, Dehradun for their support for organizing this training programme.



# 29% Indian soil already degraded: FRI Dir

PNS ■ DEHRADUN

About 29 per cent of Indian soil is already degraded, said the Forest Research Institute (FRI) director Savita. She was speaking at the inauguration of a training programme on advance techniques in soil, plant and water analysis for the research support staff of institutes under the Indian Council of Forestry Research and Education (ICFRE) at the FRI here. Inaugurating the programme on Monday, the FRI director addressed the participants regarding importance and present needs of training programme. She said that advance techniques in soil, plant and water analysis become all the more important for a challenging environment which is continuously degrading in many ways and should be addressed by people working on various research programme. She said, "About 33 per cent of our global soils and 29 per cent of Indian soils are already degraded. According to United Nations Convention to Combat Desertification (UNCCD) every minute 10 hectare land is lost to various degradation processes. Therefore, soil testing in particular is also important in monitoring the various types of land degradation and the choice of measures for land



improvement and stopping the further land degradation." She also spoke about the soil health card project prepared by the Forest Soil and Land Reclamation Division of FRI with the aim to collaborate and undertake a task to prepare Forest Soil Health Cards in the country. This will facilitate building up of the soil database of the country and monitor the changes occurring in the soil health status periodically for initiating suitable preventive measures. It will be a coordinated project and all of ICFRE

institute will work on this project, said the FRI director.

Earlier, the head of Forest Soil and Land Reclamation Division, VP Panwar addressed the gathering about the importance of the training for the ICFRE research support staff. The course coordinator of the training programme, Parul Bhatt Kotiyal briefed the participants regarding training module for five days. Various topics which will be addressed in the training will include soil, plant and water relationship in forestry ecosystem, soil con-

servation and water management, soil survey and profile study, microbial analysis of soil, sustainable soil fertility management, rehabilitation of degraded areas and hands on training to determine parameters will also be given in laboratory followed by field trip to observe reclamation of mined areas, types of soil erosion, forest types and vegetation after forest fires. Besides this various other topics on soil, plant and water analysis will be discussed with the participants, she added.

पंजाब केसरी

06.02.2018

# मिट्टी की सेहत सुधारने से दोगुनी होगी किसानों की आय

देहरादून, 5 फरवरी (स.ह.): भारतीय वन अनुसंधान संस्थान के वन मृदा और भूमि सुधार डिवीजन की तरफ से मिट्टी, पौधे व जल विश्लेषण पर 5 दिवसीय ट्रेनिंग कार्यक्रम का शुभारंभ किया गया। इस मौके पर खेती बाड़ी की तरक्की के लिए मिट्टी की सेहत सुधारने को वक्त की जरूरत करार

■ भारतीय वन अनुसंधान में पांच दिवसीय ट्रेनिंग प्रोग्राम का शुभारम्भ

दिया गया। कार्यक्रम की मुख्यातिथि भारतीय वन अनुसंधान संस्थान की निदेशक डा. सविता थी। उन्होंने कहा कि मिट्टी की सेहत सुधारने से किसानों

की आय दोगुनी हो जाएगी। संवाद कार्यक्रम के दौरान प्रतिभागियों ने निदेशक समेत विशेषज्ञों से काफी जानकारी हासिल की। डिवीजन के प्रभारी डा. वी.पी. पंवार, डा. पारूल भट्ट कोठियाल, वैज्ञानिक डा. बी.एम. डिमरी ने भी मृदा के स्वास्थ्य के ऊपर विस्तार से विचार व्यक्त किए।



# THE HAWK

## 6 February, 2018

### Advance Techniques In Soil, Plant And Water Analysis

**Dehradun:** Forest Soil and Land Reclamation Division, Forest Research Institute, Dehra Dun is organizing a training programme on "Advance Techniques in Soil, Plant and Water Analysis", for Research Support Staff of ICFRE Institutes from 05th - 09th February, 2018 at FRI, Dehradun. Indian Council of Forestry Research and Education (ICFRE), Dehradun has nominated and sponsored 12 Technical Officers and Staff from various Research Institutes of ICFRE for their training under Human Resource Development Program. The main focus on this training is to develop skill and new techniques for laboratory analysis i.e. up-gradation in order to enhance the knowledge base and work efficiency of supporting staff. Because the supporting research staff is a backbone of research with Scientists of ICFRE institute working in various project of recent trend in different field of soil, water, climate change, and many other rehabilitation work in the institute across the country. ICFRE expects that the trainees will function more effectively by getting exposure from the information, concepts and techniques learned in soil, water and plant analysis. Soil, water and plant analysis and its testing is an indispensable tool for research, advisory services and pre-requisite for giving recommendations, as well as design-

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Dr. Savita, IFS, Director, FRI inaugurated the training programme as Chief Guest. She addressed the participants regarding importance and present needs of training programme on "Advance Techniques in Soil, Plant and Water Analysis" for this challenging environment which is continuously degrading in many ways and should be addressed by people working on various research programme. As the nutrient status of soil and plant acts as an indicator of their health, 33% of our global soils and 29% of Indian soils are already degraded. According to United Nations to Combat Desertification (UNCCD) every minute 10ha land is lost to various degradation processes. Therefore, soil testing in particular is also important in monitoring the various types of land degradation and the choice of measures for land improvement and stopping the further land degradation. She also addressed about "Soil Health Card" project prepared by Forest Soil and Land Reclamation Division, Forest Research Institute, Dehra Dun with the aim to collaborate and undertake a task to prepare Forest Soil Health Cards in the country. This will facilitate building up of the soil database of the country and monitor the changes occurring in the soil health status periodically for initiating suitable preventive measures. It will be a co-ordinated project and all of ICFRE institute will work



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Analysis techniques for pH, EC, Available Phosphorus, Potassium and Nitrogen in soil. Hands on training to determine above parameters will also be given in laboratory followed by field trip to reclamation of mined areas, types of soil erosion, forest types and vegetation after forest fires will also be conducted. Besides this many other topics on soil, plant and water analysis will be delivered to the participants. Dr. B. M. Dimri, Scientist- D, Forest Soil & Land Reclamation Division, Forest Research Institute, Dehra Dun conveyed the vote of thanks to participants, Chief Guest, all Head of Division, FRI, staff and officers of Forest Soil and Land Reclamation Division, FRI, Dehradun for their presence and support for organizing this training programme.