Three Days Virtual Training Programme for ICFRE Technical Staff on

‘COMOSTING TECHNIQUES’
HFRI, PANTHAGHATI, SHIMLA (23th to 25th September, 2020)

Himalayan Forest Research Institute (HFRI), Panthaghati, Shimla organized Three Days Training and Demonstration virtual programme on ‘Composting techniques’ for ICFRE technical staff from 23th to 25th September, 2019. Indian Council of forestry Research and Education, Dehradun (An autonomous body of Ministry of Environment, Forest and Climate Change, Govt. of India) sponsored this Training Programme. About 15 technical staff of ICFRE institutes viz. FRI Dehradun, AFRI Jodhpur, TFRI Jabalpur and IFB Hyderabad took active participation in the Training Programme through video conferencing.

The Inaugural Session of the Training Programme started with a brief introduction by Dr. Sandeep Sharma, Training Coordinator. He formally welcomed Dr. S.S. Samant, Director HFRI, Shimla and the participants of the training linked through ‘Google Meet’ and briefly explained the day wise schedule of the Training Programme. He further told that resource persons from different fields would interact and deliver lectures on Composting, Vermi-composting techniques and organic farming & certification. He also detailed about virtual field tour where commercial production of composting and vermin-composting as well as enrichment of vermin-compost would be demonstrated to the participants.

Dr. S.S. Samant, Director, Himalayan Forest Research Institute, Panthaghati, Shimla again welcomed resource persons and participants of the Training Programme. He briefly informed about the research and extension activities going on at HFRI, Shimla and gave a gist of recent research achievements of the institute. He urged participants to take full advantage of this opportunity to freely interact with the Experts and Resource Persons and to wholeheartedly benefited from the training programme.
After inaugural session, **Dr. Sandeep Sharma, Scientist-G, HFRI** delivered lecture titled ‘Studies on Compost Production under temperate conditions from different locally available raw materials’. He provided indepth knowledge about the compost production techniques under temperate conditions. He addressed the concerns and queries of the participants through expert advice.

**Dr. Ashwani Tapwal, Scientist-E HFRI Scientist-G, HFRI** delivered talk on ‘Mycorrhiza – A potential bio-fertilizer for stimulating plant growth’. He discussed the mycorrhizal association and discussed problems and issues related to the topics. He addressed the concerns and queries of the participants.

In the afternoon, **Dr. Rajeshawar Singh Chandel, Executive Director, zero Budget Natural Farming Department of agriculture. H.P.** provided information on topics ‘Concept of Zero Budget and Natural Farming and production of Jeevamrut for rejuvenation of Soil fertility’ and discussed various issues related to degradation of soil and natural farming.

**Dr. Lal Singh, Director Himalayan Research Group, Shimla, HP** gave presentation on ‘Production of Vermi-composting through community participation for augmenting farming income’ and provided detailed information on production of vermin-compost and narrated the success stories of additional farming income generation through community participation. The lecture was followed by discussion and interaction and queries of the participants were addressed satisfactorily by the resource person.

In the second day of training programme, participants were exposed to learn field knowledge regarding composting/ vermin-composting and were virtually connected. In the morning, the visit was conducted to M/s Shrishti Biotech, Taradevi near Shimla producing commercial scale vermin-compost. Mr. Om Prakash Tanwar proprietor of M/s Shrishti Biotech shared practical information pertaining to production of vermin-composting and also discussed the operational cost and other
economics involved in the production of composting and vermi-composting. Participant queries were addressed by him satisfactorily during discussion.

In the afternoon, participants were again virtually connected to hi-tech Agri-clinic and Diagnostic Centre, Solan for exposing them towards friendly microbe cultures and enrichment of vermicompost. Dr. Brijesh Kamal apprised participants regarding different protocols and formulations done for enrichment of vermin-compost. Participants also virtually taken to production unit near Sarahan, Sirmour and where they were virtually demonstrated the various processes involved in the production of enriched vermin-compost product developed by M/s Agri-clinic and Diagnostic Centre, after laboratory studies. The efficacy of the vermicompost developed by the centre thoroughly explained and during discussion various issues and queries raised by the participants were nicely answered.

In the last day of training programme, Dr. R. S. Minhas, Project Director, HIMOARD, Rampur (H.P.) delivered lecture on topic ‘Organic farming, organic & GMP certification and marketing of organic produce’ and discussed organic farming, GMP certification processes and various issues involved. Also addressed the issues and queries related to organic farming.

Dr. Rajesh Kaushal, Professor, UHF- Nauni, Solan (H.P.) gave virtual talk on ‘Scientific Production of Compost & Vermi-compost and organic farming’ and discussed the various steps involved in the production of Compost & Vermi-compost and organic farming’ and interacted with participants and addressed their queries.

Dr. Shalini, National Centre for Organic Farming, Gaziabad (U.P.) delivered virtual talk on ‘Composting techniques and related issues’ and provided the detailed information regarding the various composting techniques and related issues and answered all queries through her expert advice.
The Closing Session of the Training Programme *i.e.*, on 25\textsuperscript{th} September, 2020 was chaired by Dr. S.S. Samant, Director, HFRI. Participants interacted freely and the available Resource Persons duly addressed their questions/doubts. Training participants provided their valuable feedback during this session. Certificates were also distributed virtually to the participants by Director, HFRI, Shimla.

Dr. Sandeep Sharma, Training Coordinator presented formal vote of thanks to all Resource Persons for sparing their valuable time; participants for active participation and officers and officials of HFRI involved wholeheartedly for making this Virtual Training Programme a success. In the end, he also thanked Indian Council of forestry Research and Education, Dehradun for sponsoring this Training Programme.
Some Glimpse of the Training
कंप्यूटर तकनीकों पर प्रशिक्षण संपन्न

सिमला, 25 सितंबर (इ.ई.): हिमालय क्षेत्र के अनुसार रूपांतरण तक कंप्यूटर तकनीकों पर विश्वास माध्यम से आर्थिक प्रशिक्षण कार्यक्रम शुरू करने की संवेदना हो गयी। इसमें वन अनुसंधान संस्थान देहरादून, ऊर्जा की क्षेत्रभर वन अनुसंधान संस्थान ऊत्तरपूर्डु, युवा वन अनुसंधान संस्थान नौसेना वन जैव-विविधता संस्थान देहरादून से लगभग 15 तकनीकी अभियांत्रिकी व कम्प्यूटर तकनीकों के संबंध में उपलब्धि हुई।

ए.एफ.एफ.जी.एड.पी.एफ. सरकार ने कंप्यूटर तकनीक के महत्व, संस्थान की महत्वपूर्ण और स्वरूप उपलब्धियों के बारे में प्रशिक्षितों को उकसाया।

पंजाब केन्द्रीय ए-पेपर