About ICAR-IIHR

- ICAR-Indian Institute of Horticultural Research, a premier research institute under Indian Council of Agricultural Research, New Delhi established in 1967 has a sprawling campus of 263 ha at Hessaraghatta, Bangalore.
- The institute working on more than over 54 horticultural crops for the last 53 years has played a pivotal role in bridging food security gaps through its dedicated and relentless research efforts towards crop productivity enhancement in a number of horticultural crops.
- In the last five decades of its existence has released and popularized over 300 varieties of horticultural crops.
- Also released 112 technologies, with a view of increase quality and productivity.
- In an effort to take these innovative technologies forward, ICAR-IIHR initiated a technology commercialisation and incubation facility for promotion of entreprenuership lead growth in horticulture

About BESST-HORT

BESST-HORT is a Technology Business Incubator of ICAR-IIHR, Catalysed and supported by NSTEDB Division, DST,GoI,for facilitating incubation of new start-ups, entrepreneurs & enterprises for innovative technologies by providing necessary technical & business mentoring, physical infrastructure, networking support, facilities and services to test and validate their venture before successful establishment of their scaled up enterprises.

BESST HORT is conducting a series of hands - on training programmes to help aspiring entrepreneurs to develop viable skills which can be converted in to an enterprise. As part of this, a paid-up training programme on soilless terrace gardening is scheduled to be conducted at ICAR-IIHR, Hesaraghatta, Bengaluru, on 10.08.2021.

Contact details

BESST-HORT

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ICAR-Indian Institute of Horticultural Research

Hesaraghatta Lake Post, Bengaluru - 560 089

Training on Soilless Terrace Gardening

Venue: ICAR-IIHR, Hesaraghatta

Date: 28.09.2021

Last date for receipt of application: 26.09.2021

Time of training (Offline): 9.30 am to 4.00 pm, Training Fees Rs. 2000/-

Offline includes theory and practical sessions

Time of training(Online): 9.30 am to 1.30 pm, Training Fees Rs. 500/-

Online includes theory sessions only

Course Director

Dr. Kalaivanan D
Scientist,
Div. of Natural Resources.

Course Co-Director

Dr.G.Selvakumar
Principal Scientist,
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BESST-HORT Team

Mrs.Smitha, Mr.Shyam Kumar, Mrs. Mamatha, Mr.Nithesh & Mr. Devaraj

Course Co-ordinators

Dr. Priti Sonavane &

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Principal Scientist,Div. Crop Protection.

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Dr. Rohini M.R
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Organized by

Business Entrepreneurship and Start-up Support through Technology in Horticulture (BESST -HORT) a TBI of ICAR-IIHR Hesarghatta, Bengaluru-560089

Who are Eligible?

Anybody interested i n terrace gardening of horticultural crops can apply for this training. Students in disciplines of agriculture/horticulture and teachers from colleges/universities, FPOs & Government Departments are also eligible to apply.

Prospects of training

Urbanization has placed a rising demand for the production of fruits, vegetables, flowers and medicinal herbs in close proximity of the consumers. Therefore, this training is aimed to provide the consumers with clean and safe fruits and vegetables.

Scope

By the year 2050, the global population is projected to be 9 billion and 70% of them would be living in urban and peri-urban space. Globally, as more people move to urban areas the urban population needs access to healthy and nutritious food. This leaves us with one of today's biggest challenges in terms of cultivable land that has become a premium in the urban and peri-urban space. In order to shorten the supply chain, substrate based cultivationis the best option wherein ecofriendly substrate like Arka Fermented Cocopeat(AFC) can be provided with water and required nutrients for cultivation of different horticultural crops on terraces.

Current Status

Soilless culture is rapidly gaining momentum and popularity and it could dominate food production in the future. The production technology developed at ICAR-Indian Institute of Horticultural Research for soilless cultivation of most commonly consumed vegetables in India has generated lot of interest among the soilless growers for cultivation of vegetables on AFC.This particular technology is being popularized through various training programmes, exhibitions, magazines and media.Many growers have already started adopting this particular technology in cultivation of vegetables, flowers and medicinal plants. Therefore, the production of vegetables under soilless culture using Arka Fermented Cocopeat and IIHR standardized nutrient solution may be practiced formeeting the demand of urban population.Using this technology urban and peri-urban people can grow their choice of vegetables and medicinal plants to meet their daily vegetable requirement.

Overview of training programme

With land cost escalation in the urban areas, there is hardly any space for gardening or for the cultivation of vegetables. Under such scenarios the urban terraces and balconies can serve as spaces for gardening and vegetable cultivation. This is very much possible using a substrate like cocopeat which is easily available in the urban areas. Cocopeat is a light weight material that is easy to handle unlike soil that adds on to the load on the terrace/balcony. Under these conditions, one can grow commonly used vegetables on terrace, including leafy vegetables, and speice crops in pots/grow bags.This programme shall cover about the various facets of soilless terrace gardening of different horticultural crops, their pest and disease management, and kitchen waste composting.

Objectives of the training

1. To impart training on soilless terrace gardening of different horticultural crops including the pest and disease management
2. To familiarize the trainees about the process of composting of kitchen wastes for use in the terrace gardens

Course content

Participants shall be trained extensively on the theory and practical aspects of soilless terrace gardening of different horticultural crops, pest and disease management and composting of kitchen waste for terrace gardening through demonstration in different sessions.