

ONE-DAY ONLINE SEMINAR ON “*Protected Cultivation for Enhancing Resource Use Efficiency and Productivity of Horticultural Crops*” JOINTLY ORGANIZED BY COLLEGE OF AGRICULTURE, AAU, VASO & NAHEP - CAAST, AAU, ANAND

A one-day online seminar on “Protected Cultivation for enhancing resource use efficiency and productivity of horticultural crops” was jointly organized by College of Agriculture, AAU, Vaso & NAHEP - CAAST, AAU, Anand on 22nd December, 2020. The seminar comprised of one key-note lecture and three lectures delivered by the distinguished personalities based on the theme of the seminar.

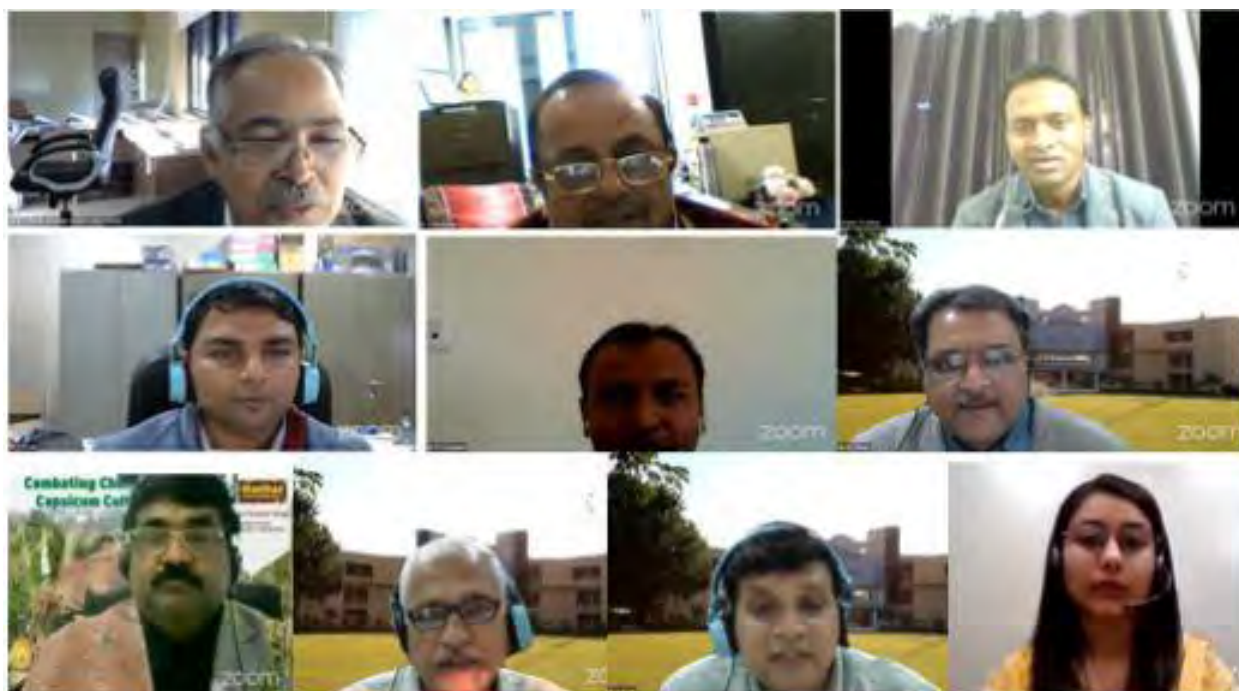
The online seminar was inaugurated with a welcome address. Dr. R. S. Pundir Professor & PI- NAHEP project, AAU, Anand welcomed all dignitaries orally and illustrated the functions of NAHEP. Dr. Y. M. Shukla, Principal & Unit Head, College of Agriculture, AAU, Vaso gave an introductory remark related to protected cultivation in India and also welcomed the dignitaries and participants for their participation in the seminar. The inaugural session ended with the vote of thanks delivered by the organizing secretary Dr. Gautam R. Patel, Associate Professor & Head, College of Agriculture, AAU, Vaso.

In technical session, one key-note lecture was delivered by Dr. Pradeep Kumar, Senior Scientist, Division of Integrated Farming System, ICAR-CAZRI, Jodhpur. He explained the present status and future prospects of the protected cultivation and farming in Indian and in global context. He also focused on the recent development in the greenhouse technologies. He discussed the issues related with greenhouse and their remedies. He stressed to increase the productivity of vegetable and flower crops under greenhouse condition which is far below than other developed countries. He urged to increase the level of assistance to farmers to improve the infrastructure.

In the Second technical session, Dr. Pratapsingh Khapte, Scientist, School of Water Stress Management, ICAR- National Institute of Abiotic Stress Management, Malegaon, Maharashtra delivered a lecture on the designs and construction of different types of protected structures. He focused on the considerations and design parameters for the design of various types of greenhouse. He shared some examples and photographs of success-story of the farmers.

Dr. Nitin Shah, Principal & Dean, College of Horticulture, Anand Agricultural University, Anand described and elaborated the High-tech nursery raising techniques for production of quality planting material and soilless cultivation. He discussed the various nursery raising techniques along with its pros and cons. He explored the mechanism and principle of hydroponics and aeroponic cultivation. In the third and last lecture of second technical session, Dr Awani Kumar Singh, Principal Scientist, IARI, New Delhi talked about production technology of high values fruit, vegetable and flower crops.

At the end of all technical sessions, Dr. Gautam R Patel, the Organising secretary, Associate Professor & Head, College of Agriculture, AAU, Vaso presented the overall gist of the all technical sessions. Dr. K. P. Patel, Retd. Principal & Dean, B. A. College of Agriculture, AAU, Anand chaired the plenary session and expressed his views regarding the need of protected cultivation in precision farming. At last, the one-day online seminar was sum-up with the vote of thanks delivered by Joint Organizing Secretary Dr. Y. A. Lad, Associate Professor & Core Co- PI, NAHEP-CAST, AAU, Anand. All the sessions were handled by Coordinator Dr. H. C. Patel, Assistant Professor, College of Agriculture, AAU Vaso and were anchored by Ayushee Darji, SRF, Centre for Agriculture Market Intelligence, AAU, Anand. Thus, all the lectures were very informative to farmers, young entrepreneurs, students, and faculty members.



Protected cultivation !



Growing crops under protected environments

Protected cultivation : Both Permanent & Temporary structures
Greenhouse cultivation : Permanent cover (glass/ polyhouse)



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Design and construction of different type of protected structures

Dr. P. S. Khapte

Scientist (Vegetable Science)

School of Water stress management

ICAR-National Institute of Abiotic Stress Management, Baramati, Pune (M.S.)

Protected cultivation for enhancing resource use efficiency and productivity of horticultural crops

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Dr. N. I. Shah

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High Tech Nursery Raising Techniques For Production of Quality Planting Material and Soilless Cultivation
Dr N I Shah
Principal and Dean (Horticulture)
College of Horticulture, AAU, ANAND

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Production Technology of Hi-Value Vegetables Crops under Protected Cultivation Technologies



Dr. Awani Ku...



Awani Kumar Singh
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CPCT, IARI, New Delhi

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