

ONLINE TRAINING PROGRAMME ON “ADVANCES IN MUSHROOM CULTIVATION: A SUSTAINABLE KEY TO FOOD-NUTRITIONAL AND EMPLOYMENT SECURITY”



Department of Plant Pathology
N. M. College of Agriculture
Navsari Agricultural University
Navsari

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Acknowledgement

This report pertains to the two days online training programme on “Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security” organised under capacity building activity of the “National Agricultural Higher Education Project (NAHEP)” Centre for Advanced Agricultural Science and Technology (CAAST) project entitled “Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers at NAU, Navsari”. We would like to express our gratitude to the Indian Council of Agricultural Research and Government of India as well as World Bank for funding the project. We would also like to thank all the participants and resource persons. We are grateful to the staff members of Dept. of Plant Pathology, N. M. College of Agriculture, NAU, Navsari for providing the necessary infrastructure and support in organising this training.

Online Training Programme on “Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security”

Date of Training: September 21-22, 2021

Venue – Dept. of Plant Pathology, N. M. College of Agriculture, NAU, Navsari

Programme Elucidation:

A Centre for Advanced Agricultural Science and Technology (CAAST) is a new initiative and student centric sub-component of “National Agricultural Higher Education Project (NAHEP)” implemented by Indian Council of Agricultural Research and funded by Government of India as well as World Bank. The Navsari Agricultural University, Navsari, Gujarat bagged a CAAST project entitled “Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers” on competitive basis during 2017-18. Under this project a two days online training programme on “Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security – મશરૂમની ખેતીમાં પ્રગતિ: ખોરાક – પોષણ અને રોજગાર સુરક્ષા માટે ટકાઉ ચાવી” was organized by Department of Plant Pathology, N. M. College of Agriculture, Navsari Agricultural University, Navsari in association with Centre for Advanced Agricultural Science & Technology (CAAST) NAHEP, Navsari Agricultural University, Navsari.

Introduction:

A training programme on Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security was held on September 21-22, 2021 at NAU, Navsari organized by Department of Plant Pathology, N. M. College of Agriculture, Navsari Agricultural University, Navsari in association with Centre for Advanced Agricultural Science & Technology (CAAST) NAHEP, Navsari Agricultural University, Navsari. Honorable Vice Chancellor of Navsari Agricultural University, Dr. Z. P. Patel acted as Patron of training programme and President of the inaugural session, Dr. S. R. Chaudhary, Directorate of Research and Dean PGS acted as Chairman of the training programme, Dr. T. R. Ahlawat, PI & Nodal officer CAAST and Dr. R. D. Pandya, Principal, NMCA, NAU, Navsari were the Conveners of training programme, Dr. K. B. Rakholiya, Professor and Head, Department of Plant Pathology, NMCA, NAU, Navsari and Dr. R. P. Gunaga, Associate Professor and Head, Co-PI, NAHEP-CAAST were the Co-conveners of the training programme. Organizing Secretaries were Dr. Priya John, Mrs. Kotramma C. Addangadi and Dr. M. S. Sankanur. Dr. Priya John welcomed all the dignitaries and briefed them about the training programme. Dr. T. R. Ahlawat, PI & Nodal Officer highlighted the activities and achievements of the NAHEP-CAAST project. Dr. Sunil R. Chaudhary, DR & Dean PGS, NAU, Navsari drew attention to the status of mushroom cultivation in India and its importance in human health. Hon'ble Vice Chancellor, Dr. Z. P. Patel emphasized the importance of locally grown mushrooms and the need to promote their commercial cultivation. The training manual on “Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security” was released by the dignitaries on the dais. Lastly Dr. K. B. Rakholiya, Professor and Head, Department of Plant Pathology, NMCA, NAU, Navsari, proposed Vote of Thanks.



Glimpses of Inaugural Session

Objectives:

- ✦ Cultivation practices of different edible & medicinal mushrooms
- ✦ Nutraceutical values of mushrooms
- ✦ Processing and value addition of different edible mushrooms
- ✦ Entrepreneurship opportunities through mushroom cultivation

About the Training:

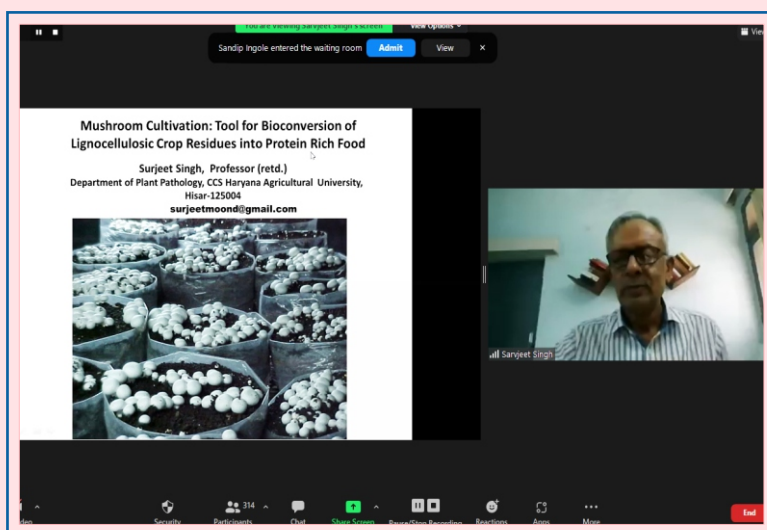
This two days online training programme was attended by 500 participants and status of participants with regard to Gender and Social Inclusion is given in **Annexure 1**.

Programme Schedule		
“Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security”		
Time (hrs.)	Session	Speakers
21/09/2021 (Day-1)		
10:00 to 10:40	Inauguration of Training Programme	-
10:45 to 11:30	Mushroom Cultivation: Tool for Bioconversion of Lignocellulosic Crop Residues into Protein Rich Food	Dr. Surjeet Singh
14.30 to 15.15	Mushrooms : Nutraceutical Values for Improving Human Health and Quality Life	Dr. Sudheer Aneepu
15.20 to 16.05	Processing and Value Addition Technologies for Mushrooms	Dr. M. P. Thakur
22/09/2021 (Day-2)		
10.00 to 10.45	Entrepreneurship Opportunities through Mushroom Cultivation	Dr. Meera Pandey
10.50 to 11.35	Current and Future Prospectus of Mushroom Cultivation and Processing Industry in India	Dr. P. Raja
11:40 to 11.50	Training Report	Mrs. Kotramma Addangadi
11.50 to 12.00	Remarks by PI and Nodal officer	Dr. T. R. Ahlawat

Core Session 1 : During the training programme five lectures were delivered by eminent speakers the details of which are as under.

Title : “Mushroom Cultivation: Tool for Bioconversion of Lignocellulosic Crop Residues into Protein Rich Food”

Expert : Dr. S. Singh, Professor, CCS Haryana Agricultural University, Haryana

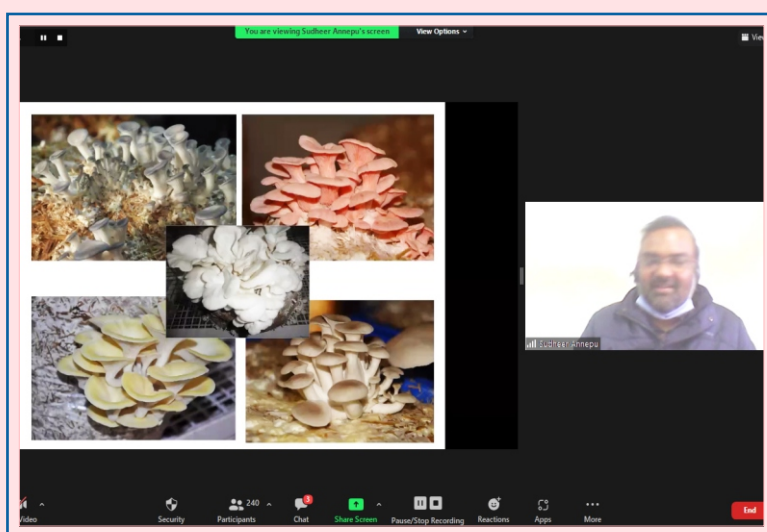


Dr. S. Singh interacted with participants about the cultivation practices of commonly cultivable mushrooms in the India like Button mushroom, Oyster mushroom, Milky mushroom, Paddy straw mushroom and SWOT analysis of mushroom cultivation.

Core Session 2 :

Title : “Mushrooms: Nutraceutical Values for Improving Human Health and Quality Life”

Expert : Dr. S. Aneepu, Scientist (ARS), ICAR-Indian Institute of Soil and Water Conservation, Ooty, Tamil Nadu

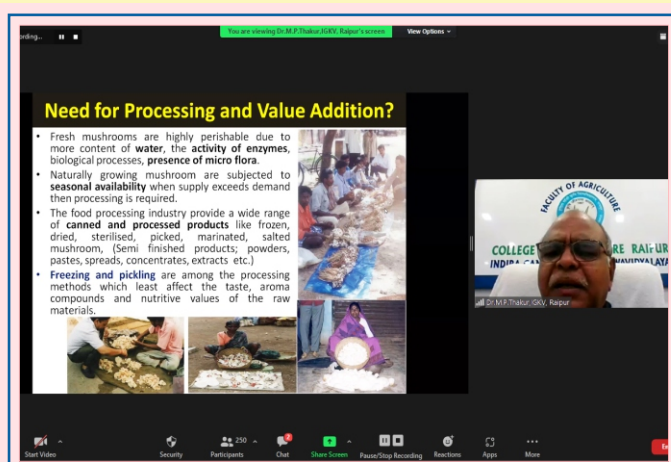


Dr. S. Aneepu described the therapeutic and nutraceutical properties of Lentinula, Schizophyllum, Grifolia, Ganoderma, Trametes, Hericium and Cordyceps in relation to human health.

Core Session 3 :

Title : “Processing and Value Addition Technologies for Mushrooms”

Expert : Dr. M. P. Thakur, Dean, IGKV, Raipur



Dr. M. P. Thakur discussed different processing technologies like sun drying, cabinet air drying, gamma irradiation, pickling and value added products like mushroom modified wheat flour, biscuits, soup powder, ketch up etc.

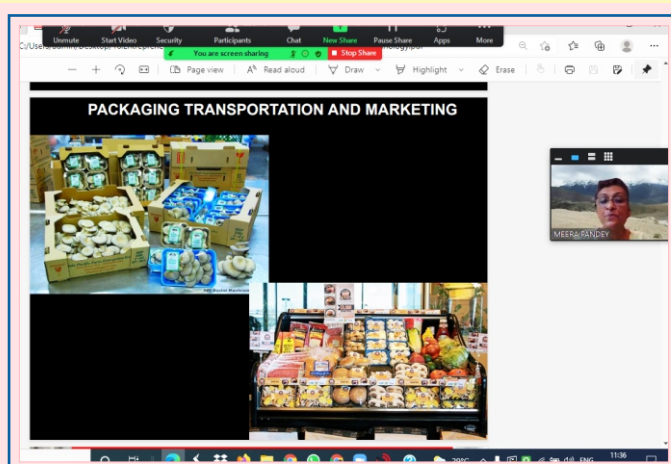
Technical Session (DAY-2)

Date: 22/09/2021

Core Session 4 :

Title : “Entrepreneurship Opportunities through Mushroom Cultivation”

Expert : Dr. Meera Pandey, Principal Scientist, IIHR Bengaluru, Karnataka



Dr. Meera Pandey emphasized about end to end mushroom entrepreneurship and activity based mushroom entrepreneurship opportunities.

Core Session 5 :

Title : “Current and Future Prospectus of Mushroom Cultivation and Processing Industry in India”

Expert : Dr. P. Raja, Associate Professor, COHF, Pasighat, Manipur



Dr. P. Raja covered the cultivation practices of milky mushroom, oyster mushroom, processing and preservation of mushrooms and status of mushroom industry in India.

Annexure : 1

Status of participants by Gender and Social Inclusion in online training programme on “Advances in Mushroom Cultivation: A Sustainable Key to Food-Nutritional and Employment Security – મશરૂમની ખેતીમાં પ્રગતિ: ખોરાક – પોષણ અને રોજગાર સુરક્ષા માટે ટકાઉ ચાવી” held on September 21-22, 2021

Participants	General	SC	ST	OBC/SEBC	Total
Male	173	21	22	120	336
Female	91	13	10	50	164
Total					500



THANK YOU

NOTES



Brochure of Training Programme



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SEPTEMBER 21-22, 2021



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Publication of Training Manual



TRAINING MANUAL ON ADVANCES IN MUSHROOM CULTIVATION: A SUSTAINABLE KEY TO FOOD-NUTRITIONAL AND EMPLOYMENT SECURITY



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