

ACTIVITY REPORT ON HBIC TRAINING PROGRAMME

Event Date : 31/03/2021

Objectives

- For the direct interact of the students with University professors.
- To make them aware of the entrepreneurial opportunities.
- To experience the University environment.
- To acquire knowledge on commercial production of mushrooms
- To improve the knowledge of the students in small scale production of spice powders and pastes.
- To prepare the students for the selection of carrier path in different departments of industry

Strength behind the visit Honourable Provost

Dr. C. Krishna Sir has approved the industrial visit and encouraged the committee for organizing similar kind of activities for the benefit of students.

TWO DAYS TRAINING PROGRAMME ON 31/03/2021 TO 01/04/2021

SECOND DAY TRAINING 01/04/2021

10:00 AM TO 1:00 PM

- PREPARATION OF TOMATO SAUGSE
- PREPARATION OF MORIGA CAPSULES

2:00 PM TO 5:00 PM

- PROCESSING OF PACKAGE
- KITCHEN GARDENING
- INDUSTRIAL ECONOMY
- FEED BACK
- CERTIFICATE DISTRIBUTION

COVERED TOPICS

- VISIT TO MUSH ROOM PROPAGATION ROOM
- SEMINAR TAKEN BY SIR ON DISCUSS AND ITS MANAGEMENT OM MUSHROOM
- PPT PRESENTATION ON POST HARVEST MANAGEMENT OF MUSHROOM

- MINIMAL PROSESSING
- NUTRI KITCHEN GARDEN BY PRINCIPAL MADAM
- INDUSTRIAL ECONOMY BY SUJATHA MADAM
- FEED BACK BY OUR STUDENTS



MUSHROOM CULTIVATION

Event Date : 22/12/2021

METHODOLOGY OF MUSHROOM CULTIVATION

- Initially Sir have explained about the raw material required for the cultivation like paddy straw
- He demonstrated different types of sterilization techniques such as chemical as well as heating sterilization techniques.
- He explained different types of Mushroom species suitable for different seasons.
- He demonstrated the different phases of mushroom cultivation
- He explained about pathology in Mushroom cultivation
- He explained about the temperature and all physical parameters which influence the growth of mushrooms.
- Finally, he demonstrated the procedure to harvest the Mushrooms.

HANDS ON TRAINING:

- In afternoon session students and faculty involved in preparation of culture room
- Sterilization of culture room with 10% Formaldehyde or Isopropyle alcohol
- Paddy straw is sterilized with alcohol of bawastene
- After sterilization poly propylene bags are filled with sterilized paddy straw
- straw and the spawn are kept in polythene bags in sequential layers
- Spawn filled bags are kept in sterilized culture room
- Incubation period is 21 days at 30 degrees in dark for vegetative growth after that clay soil is sterilized and is ready to keep it in bags for fruiting bodies

ACTIVITY REPORT ON NATIONAL SCIENCE DAY

Event Date : 19/02/2021

Department of Botany and B.Voc Horticulture

Theme: Future of STI: “Impact on education, skills and work”

Objectives:

- To enhance the innovative skill in students
- To elevate the creativity in biological science
- To develop divergent thinking in all students
- To develop divergent thinking in all students
- To develop practical knowledge in all students

Department of **Horticulture** and all science departments involved in National science day celebrations on **19-02-2021** in **LCD hall-2** .Total 15 Exhibits displayed by B.sc Botany ,B.voc Horticulture students and 20 posters displayed by Students . Students participated from 1st,2nd,3rd year BZC Groups

ORGANIC FARMING

Event Date : 11/02/2021

ORGANIC FARMING ACTIVITY CONDUCTED BY HORTICULTURE DEPARTMENT

Our horticulture department conducted a program on 11/02/2021 in the name of organic farming.

OBJECTIVES:

- To Promote more usage of natural pesticides.
- To Ensure the right soil cultivation at the right time.
- To Keep and build good soil structure and fertility.
- To Control pests, diseases and weeds

Our horticulture department conduct organic farming program on **11/02/2021**. In the program our horticulture students sold some green leafy vegetables to all the P.R.G.C faculty.

Under organic farming program our students had cultivated Palak, Sorrel leaves, Mint, Amaranthus, Fenugreek, etc... Our students had used only organic fertilizers like FYM (farm yardmanure) and fermented cow urine (jeevamrutham) as Manures.

In this program our principal sir Dr C Krishna garu have participated.

Lecturer in charge of the horticulture department **Smt.P.Sara Garu**. gave a small speech about the importance of organic farming. Our principal Dr. C. Krishna garu appreciated the students of Horticulture.

Horticulture staff, P.Nicee, B.Aiswarya, B.Ashok Rama Raju all staff members are participated in this program

OUTCOMES:

- yields more nutritious and safe food.
- the **organic** foods that are thought to be healthier and safer
- organic farming uses fewer pesticides

counterbalanced by higher food **costs** for consumers

INTERNATIONAL WEBINAR

Event Date : 11/02/2021

INTERNATIONAL WEBINAR ON POST COVID CHALLENGES TO HUMANBEINGS

Department of Botany, Microbiology and Horticulture conducted an International webinar on **04-06-2020** at 10 AM to 1 PM through online google meet, on the topic **POST COVID CHALLENGES TO HUMAN BEINGS**. This programme was organized by Department of Botany, Microbiology and Horticulture collaborated with Jenya Foundation, INDIA.

RESORCE PERSONS OF THIS WEBINAR:

1. Dr.Sumitra Sai Konda,M.D,FACP

Doctor at Hospital Medicine, Main Lane Health Hospitals, Philadelphia, USA.

1. Dr.A.D Naveen Kumar M.Sc,Ph.D

Associate Professor in Biochemistry, Adigrat University, Ethiopia, South Africa.

1. Dr.S.SubbaTata M.Sc,Ph.D

Asst Prof in Agricultural Biotechnology, Department of Botany, Andhra University

1. Dr.D.Samba Shiva,M.Sc,Ph.D

Asst Professor, Nizam College, Osmania University, EC Member FABAA, Telangana

OBJECTIVES OF THIS INTERNATIONAL WEBINAR:

1. Covid 19 Hazards to Human
2. Infection and spreading
3. Molecular Diagnostics
4. Pathogenicity
5. Vaccine Production Analysis and Current Research

EXPECTED OUTCOMES:

1. Participants may have learned about its pathogenicity
2. Participants may know about diagnosis
3. Participants may know about current research on COVID 19

This Program was started with our college song at 10 AM. Then our Principal Dr.C.Krishnagaru gave presidential speech about our college .Then our HOD of Botany and Microbiology Department P.SARA garu given a brief history and Introduction and best practices outcome based activities, student centric activities (Organic Farming, Cosmetics from plants, Hydroponics, Ayurvedic medicinal products) in Department Of Botany ,Microbiology & Horticulture.

At 10.10 AM Mr.Abhinay Lecturer in Botany introduce the First Speaker of this Webinar

Dr.Sumitra Sai Konda (MD,FACP) doctor at Main lane Health Hospitals Philadelphia, USA

1. Dr.Sumitra Madam explains about what precautions should we take to prevent transmission of COVID-19
2. She also explains the symptoms of COVID -19 and explains so many issues about COVID-19
3. She explained about pandemic situations in various countries
4. She was explained about statistical analysis on Covid in different countries

Dr.Naveenkumar Garu explains the origin of different types of human Corona Viruses and symptoms

,drugs ,discoveries etc.

1. Naveen Sir explains about Organisation of SARS-COV, Diagnosis of COVID-19 etc. verywell
2. He also explained about the treatment procedures
3. He explained about biochemical structure and molecular structure of COVID 19
4. Explained about Immunological studies on COVID
5. He explained about the diagnosis and treatment to Corona virus disease

Dr. Subbatata Garu Explains RT-PCR Technique in a very detailed manner

1. He also explained about the Instrumentation involved in the RT-PCR technique.
2. He explained about RT PCR role in diagnosis of COVID
3. He explained about Role of Thermostable enzymes in Pathology of COVID
4. He explained about molecular structure of corona virus

Dr.Samba Siva garu Explained about the Challenges that were arised during this COVID-19

1. He explained about immunological approaches in COVID 19
2. He explained about chemical structure of COVID 19
3. He explained about Current research approaches in preparation of Vaccine preparation
4. He explained about Role of RNA in vaccine preparation

- Total 200 students participated in the webinar,50 research scholars, 100 faculty members attended to the online webinar.
- vote of thanks given by Smt. T. Kalpana madam for successful completion of the international webinar collaborated with Janya foundation, Kakinada.

WEBINAR ON POST COVID CHALLENGES TO HUMANBEINGS

Event Date : 04/06/2020

Department of Horticulture conducted an international webinar on 04-06-2020 at 10 AM to 1 PM on the topic

POST COVID CHALLENGES TO HUMAN BEINGS .This programme was organized by Department of Horticulture collaborated with Jenya Foundation, INDIA.

RESORCE PERSONS OF THIS WEBINAR:

1. **Dr.Sumitra Sai Konda**,M.D,FACP

Doctor at Hospital Medicine,Main Lane Health Hospitals,Philadelphia,USA.

2. **Dr.A.D Naveen Kumar** M.Sc,Ph.D

Associate Professor in Biochemistry
Department of Bio Medical Sciences
Adigrat University,Ethiopia,South Africa.

3. **Dr.S.SubbaTata** M.Sc,Ph.D

Asst Prof in Agricultural Biotechnology
Department of Botany,Andhra University

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Asst Professor,Nizam College,Osmania UniversityEC
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Themes of this International Webinar:

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2. Infection and spreading
3. Molecular Diagnostics
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5. Vaccine Production Analysis and Current Re

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gave Introduction about Department Of Botany ,Microbiology & Horticulture. At 10.10 AM Mr.Abhinay Lecturer in Botany introduce the First Speaker of this Webinar Dr.Sumitra Sai Konda (MD,FACP) doctor at Main lane Health Hospitals Philadelphia,USA

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Naveen Sir explains about Organisation of SARS-COV ,Diagnosis of COVID-19 etc very well. He also explained about the treatment procedures

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- Participants may know about Diagnosis
- Participants may know about current research level on COVID-19

HOD of Botany and Microbiology Chairperso
of this Webinar-Dr .C. KrishnaPrincipal ,P
R Govt College(A),KKD

EXTENSTION ACTIVITY

Event Date : 02/12/2020

Our Students of B.voc Horticulture and staff are visit Sarpavaram Olericulture fields on 14-02-2020.Total 40 members of Students and 4 members of Staff are visited to sarpavaram. In Sarpavaram Farmers grow green leafy vegetables like Palak, Methi, chukka leaves, Mint plants, Brinjal, Mirchi, Cauliflower, Flowering Plants like Tagetus petula, Jasmine, Rose Aromatic Plants like Maruvam and Davanum.

