

Course Content :

- ✓ Understanding product maturity
- ✓ Harvest handling
- ✓ Fruits Quality
- ✓ Packaging
- ✓ Storage process and storage system/ Development of storage science
- ✓ Hygiene and sanitation
- ✓ Influence of pre-harvest factors on post-harvest quality
- ✓ Post harvest Biology and Technology
- ✓ Biochemical Parameters of horticultural crops quality
 - Food spoilage : Causes, effects and prevention
- ✓ Preparation of fruit syrup
- ✓ Preparation of fruit products –fruit jelly, candied fruits, jam
- ✓ Preparation of chutney and marmalade
- ✓ Developing a small scale food processing enterprise
- ✓ Marketing of fresh or processed product
- ✓ Establishment of a processing enterprise

Course Duration & Eligibility :

- ✓ Course Duration : 1 month
- ✓ Training charges : No Fee
- ✓ Number of participants : 20
- ✓ Eligibility : B.Sc./M.Sc. in Horticulture/Agriculture/Life Science/Biotechnology
- ✓ The candidates should have at least 50% marks in any of the above degree.
- ✓ Travel, Boarding and Lodging : The boarding, lodging, TA, DA expenses of the outstation participants will be met out by the trainees.

How to apply:

Interested candidates may apply online

<http://www.biotechpark.org.in/coursenortheast.php>

For details kindly contact

Organizing Secretary

Mobile: +91-9856532463

E-mail id: icbtpostharvest@gmail.com

How to reach:

Imphal, the capital of Manipur is located in the extreme North East India. It has a humid subtropical climate with mild, dry winters and a hot monsoon season. Imphal is connected through National Highway which connects major cities like Guwahati, Kohima, Agartala and many more and also connects its neighbouring states. Imphal International Airport is 8kms south of the city and 3kms from Imphal College, which connects direct flights to New Delhi, Kolkata, Guwahati and Agartala.



One Month TRAINING ON SKILL DEVELOPMENT POST-HARVEST TECHNOLOGY & PROCESSING OF FRUITS 13 Nov. - 12Dec., 2018

Sponsored by:

Institute of Bioresources & Sustainable Development (IBSD)
Imphal, Department of Biotechnology,
Govt. of India

Course Coordinator:

L. Ranjit Singh

Assistant Professor,
Department of Chemistry



Jointly Organized by :

Biotech Park, Lucknow 226 021

and

**Institutional Advanced Level Biotech Hub,
Imphal College, Imphal 795 001**

About the Institute

Imphal College, situated at Kwakeithel Lamdong on the Airport Road was established on 20th August, 1952. An Institution that rest on a strong academic foundation, blended with modern approach, that molds young students into successful role models. The college aims to foster students in the global competencies and contribute to the national development. Imphal College is unique amongst the other colleges in Manipur because of its vibrant campus atmosphere and activities (<https://imphalcollege.nic.in/>).

Institutional Advanced Level Biotech Hub

The Institutional Biotech Hub of Imphal College was established by DBT on 20th November 2011. It has now been upgraded to Institutional Advanced Level Biotech Hub. The students and the teachers of the Departments of Botany, Zoology and Chemistry have been trained at IBT Hub in handling the instruments. Institutional Advanced Level Biotech Hub has published 5 papers in the International Journals and three Volumes of E-News Bulletin "Bio-rays". Biotech Hub of Imphal College has also conducted a number of outreach programs in different institutions.

(https://imphalcollege.nic.in/biotech_hub.html)

Biotech Park, Lucknow

Biotech Park is a Technology Incubator with focus on Health Care, Agriculture, Environment, Industrial Application and Energy. The mission of Biotech Park is to foster development of knowledge based economy in biotechnology and hand-hold all innovation activities to assure benefit to all sections of the society. (<http://www.biotechpark.org.in/>)

Advisory Committee:

- ✓ Dr. M. Priyobarta Singh, Principal, Imphal College
- ✓ Dr. H.N. Mishra, Professor of Food Technology, Agricultural and Food Engineering Technology, Indian Institute of Technology, Kharagpur
- ✓ Dr. H.B. Singh, Principal Scientist, CSIR-North East Institute of Science and Technology
- ✓ Prof. N. Rajmuhon Singh, Dept. of Chemistry, Manipur University
- ✓ Dr. R.K. Imotomba Singh, Director, Pandit Deen Dayal Institute of Agricultural Sciences, Utlou
- ✓ Dr. Ng. Iboyaima Singh, Senior Principal Scientist, CFTRI, Mysore
- ✓ Dr. Ng. Piloo, College of Horticultural and Forestry, Central Agricultural University, Pasighat
- ✓ Prof. Rishi Shanker, Biotech Park, Lucknow

Organizing Committee :

- ✓ Dr. M. Priyobarta Singh, Principal, Imphal College - Chairman
- ✓ Smt. L. Randhoni Devi, VP, Planning Board - Vice Chairperson
- ✓ Smt. L. Dhanabati Devi, Dean of Science - Member
- ✓ Smt. N. Sunita Devi, Dean of Arts - Member
- ✓ R.K. Itocha Singh, Dean of Students' Welfare - Member
- ✓ Dr. P. Grihanjali Devi, Coordinator, Institutional Advanced Level Biotech Hub - Member
- ✓ Dr. N. Romabati Devi, Co-coordinator, Institutional Advanced Level Biotech Hub - Member
- ✓ L. Ranjit Singh, Co-coordinator, Institutional Advanced Level Biotech Hub - Course Coordinator

Background :

The aim of Post Harvest biology and technology of fresh produce is to reduce losses both in quality and quantity between "farm to fork". Agricultural produce after harvest, conservation, processing, packaging, distribution and utilization has to meet the food and nutritional requirements of the consumer. Fruits and vegetables constitute the most rapidly growing sector within Horticulture in a developing nation like India. Fruits and vegetables being highly perishable, efficient Post Harvest Management has become an absolute necessity. The use of appropriate post harvest technology reduces post harvest losses, adds value to the product, generates employment in the villages and re-establishes agro-industries in rural sector.

Objectives :

- ✓ To impart knowledge to the students on recent advances in fresh produce handling and post harvest processing of fruits.
- ✓ To provide "hands on training" and skills to students on post harvest technology.