

## INFORMATION BROCHURE

### Inter Disciplinary Refresher Course

On

### “Indian Medicinal Plants”

[16<sup>th</sup> Aug. To 5<sup>th</sup> Sept., 2017]



Sponsored by  
University Grant Commission  
(UGC)  
New Delhi



Organized Jointly by

UGC-Human Resource Development  
Centre &  
Department of Horticulture,  
Aromatic & Medicinal Plants  
School of Earth Sciences & Natural  
Resource Management  
Mizoram University  
Aizawl – 796004

### Introduction

Over the centuries, the use of medicinal plants has become an important part of daily life despite the progress in modern medical and pharmaceuticals research. Approximately 3000 plants species are known to have medicinal properties in India. The Rig veda (3700 B.C.), mentions the use of medicinal plants. The medicinal plants are extensively utilized throughout the world in two distinct areas of health management; traditional system of medicine and modern system of medicine. The traditional system of medicine mainly functions through two distinct streams (1) Local or folk or tribal stream and, (2) Codified and organized Indian system of medicines like Ayurveda, Yunani, Siddha and Homeopathy etc. use herbs for treatment. In India, medicinal plants offer low cost and safe health care solutions. According to the WHO, over 80% of the world's population relies on traditional forms of medicine, largely plant based to meet primary health care needs. In India, the collection and processing of medicinal plants and plant products contributes a major part each year to the national economy, as a source of both full and part time employment. As per the World Bank and the IDRC Medicinal plants Network (IMPAN) report suggests that despite a wealth of resources (biological, human and financial being available, the lack of a coordinated approach which considers

sustainable and equitable development to be short as well as long term goals for the sub sector) has resulted in the simultaneous under utilization and overexploitation of the valuable medicinal plant resource. Henceforth present course aims to bring various researchers, scientists and other stakeholders to a common platform to deliberate and share their scientific inputs to build the capacity of budding teachers /researchers and scientist working in diverse discipline of sciences and extension.

### Broad Themes

The following broad themes will be focused in the said Refresher Course:

- I. Ethnomedicinal plants wealth of North East India
- II. Bioprospection and phytochemistry of medicinal & Aromatic Plants (MAPs)
- III. Cultivation Practices and Post harvest techniques of MAPs
- IV. Biotechnological and molecular interventions for MAPs
- V. Conservation, sustainable utilization, IPR value addition of MAPs
- VI. Opportunities and Challenges of MAPs at National & Global level

## Course content

Emphasis will be given on the studies Medicinal and aromatic plants wealth of India including tribally used ethnomedicinal plants of NE-India. Bioprospection for discovery of new lead molecules from ethnomedicinal plants and associated traditional knowledge against emerging diseases. Major good cultivation practices for enhanced production and post harvest and processing technologies for value addition, livelihood improvement and marketability. Biotechnological & molecular tools for the proper identification, genetic diversity, micropropagation, new drug discovery. Further the practices & technologies for germplasm conservation and sustainable production of MAPs. Major IPR issues associated with MAPs in Patent regime. Hands-on training will be provided to solve practical problems related to thematic areas, and those arising at work in laboratory to field condition.

## Eligibility

This inter-disciplinary refresher course aims at diverse target groups such as teachers, scientists working in colleges, research institutes and universities in the cadre of Assistant Professors or equivalent and above.

## Venue

Human Resource Development Centre  
Mizoram University,  
Aizawl– 796004

## Travel, Boarding and Lodging

The boarding, lodging, TA and DA expenses of the outstation participants will be met out from UGC-HRDC fund as per norms and operational guidelines for organization Refresher Course. Aizawl can be reached by air through Kolkata/Guwahati or via road through Guwahati via Silchar.

## Location and Climate

The Mizoram University campus is located 12 km away from Aizawl city in west direction. The Mizoram University campus contains regenerating tropical wet evergreen and semi-evergreen forests, including a protected forested water catchment reserve in the north and a small botanical garden. Although, climatic conditions are very feasible throughout the year yet; Temperature varies between 15°C and 30° C.

## Participant's Evaluation and Feed Back

Participants evaluation will be done based on topics listed in the training schedule. Participants are also required to give their feedback at the end of course programme.

## For the Details please visit-

<http://www.hrdcmzu.in>

<http://www.mzu.edu.in>

## Application Form

Can be downloaded from following link:

<http://www.hrdcmzu.in/Application-Form%20thar%20ber.pdf>

## Contact Persons

### Course Coordinator

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### Course Co-coordinator

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