Introduction

The bioresources represent the heritable materials present in an organism having economic, scientific and social value to the mankind. The bioresources represents plants, animals as well as microbes. The existence of these resources are under severe threat due to various anthropogenic activities and need to be conserved through sustainable utilization. Sustainable utilization of these resources involves the use of diverse tools and techniques used in all scientific research viz. taxonomy, ecology, cytogenetics, reproductive biology, evolution, molecular biology, plant tissue culture, biochemistry, physiology, microbiology, pathology, bioinformatics etc. These resources not only have an important role to play in the development of agriculture, food security and rural economy but also form an integral part in genetic improvement programmes. The diversity of bioresources in different levels of lives and ecological complexes is the key in crop improvement programmes and agricultural systems.

There is a constant pressure on the natural bioresources due to different anthropogenic activities, which has led almost 80% destruction of the natural habitats. Adaptation and response of living organisms to the different forces such as pest & diseases, change in environment, climate change etc. to a great extent depends on the level of genetic diversity present in the species. Ecosystems rich in species diversity are resistant to external factors and climate change. Hence, maintenance of rich diversity is considered as right strategy for species adaptation to changing environment.

India is rich in biological diversity and World's top 17 megadiversity countries with 4 biodiversity hotspots. The rich diversity maintained by the indigenous communities offers enough opportunities for economic growth of the region as well as the country. The diversity and variation of the species (intra and inter species level) have been reduced by genetic erosion. Since the genetic resources have limits their reproduction and adaption, any additional loss on account of different anthropogenic activities adversely affect the welfare of the future generations. Immediate concerted efforts is warranted to prevent the further loss of bioresources, develop effective strategies to their conservation and sustainable utilization.

This National Seminar will provide a platform for Scientists, Researchers, Community leaders to deliberate on strategies for conservation and sustainable utilization of bioresources of the country.

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Vice Chancellor, Nagaland University

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Head, Department of Botany, Nagaland University

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NATIONAL SEMINAR
On
'Inventory, Sustainable Utilization & Conservation of Bioresources'

February 26-27, 2016

Jointly Organized by

Department of Botany
Nagaland University, Lumami-798627
Nagaland
And
Institutional Biotech Hub
Nagaland University, Lumami-798627
Nagaland

Sponsored by
Nagaland University,
University Grants Commission, New Delhi
&
Department of Biotechnology, Ministry of Science & Technology, New Delhi

About Nagaland University, Lumami

Nagaland University is a Central University established by the an act of Parliament No. 35 of 1989 with campuses at Meriema, Medziphema and Headquarters at Lumami, Zunheboto district. The foundation stone was laid by Late Rajiv Gandhi (former Prime Minister of India) on 6th September 1987.

About Department of Botany

Department of Botany was established on 6th September, 1997. The Department offer courses on M. Sc. and Ph. D. Department has well equipped Laboratories in different fields of Botany. The Institutional Biotech Hub sponsored by the Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi is also housed in the Department of Botany. Department is supported by UGC's 'Special Assistant Programme (DRS-III) and the mandate of the programme is '**Inventory of Plant Genetic Resources of Nagaland, Sustainable Utilization and Their Conservation (*in situ* & *ex situ*)'.** Besides M. Sc. and Ph. D. programmes, Department is also organizes 'National Workshops and Trainings for the Scholars, Faculties' in different fields of Botany. The Department is in receipt of research grants from different funding agencies like DBT, CSIR, DST, MoEF, GBPIHED, UGC etc.

About Institutional Biotech Hub

The Institutional Biotech Hub, Nagaland University, Nagaland, Lumami was established in the year 2011 with the grant from the Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi. The broad purpose of the programme is to promote education and research in Biology / Life Science / Biotechnology and to attract brilliant young students to build their career in different fields of biological sciences / biotechnology.

Weather During February

Weather during February is expected to be cold. Temperature range 6-18^{o}C

Sub-Themes of the Seminar

1. **Inventory of PGRs and Microbial Resources**
2. **Aquatic Bioresources**
3. **Plant Reproductive Biology**
4. **Niche Characterization, Biodiversity Mapping & Population Dynamics**
5. **Biodiversity Conservation (*Ex situ* & *In situ*)**
6. **Biodiversity Informatics**
7. **Ecosystem Studies & Services**
8. **Faunal Diversity & Sustainable Utilization**
9. **Community Participation in Biodiversity Conservation, ITK & IPR**

Registration fee:

Faculty/Scientists: Rs. 2000.00
Ph. D. Scholars: Rs. 1000.00
NGOs, Community Leaders associated with conservation: Rs. 1000.00
Accompanying person: Rs. 1000.00 (without registration kit)
(Registration fee includes Registration kit, Tea, Lunch, Dinner for two days)

Accommodation: On payment basis

1. Single accommodation: (Deluxe: Rs. 1500.00; Executive: Rs. 2500.00 per day)
2. Sharing basis: Rs. 1000.00 per day
3. Scholars on sharing basis: Rs. 300.00 per day

Mode of payment: Spot payment

Important dates

Registration: Last date: February 10, 2016

Abstract: February 10, 2016

Acceptance letter: February 15, 2016.

Call for Abstract

Abstract of papers not exceeding 300 words each indicating the full title of the paper, name(s) of the author(s), and affiliation, should to the Organizing Secretary by post/e-mail on or before February 10, 2015 in Times New Roman 12 point only.

Instruction for Poster

Maximum posters size: 1 m x 1.5 m dimension.

Registration Form

NATIONAL SEMINAR
On
'Inventory, Sustainable Utilization & Conservation of Bioresources'

February 26-27, 2016

Name:_____

Designation: _____

Accompanying person: _____

Organization: _____

Address: _____

_____

_____

Sex: Male / Female (Please tick mark)

Email: _____

Phone/Mobile: _____

Title of the paper: _____

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Oral/Poster Presentation: _____

Accommodation: Single/Sharing _____

Deluxe/Executive _____

Signature: _____

May be downloaded from www.nagalanduniversity.ac.in

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