



Two Days  
**"International Conference on Conservation of Biodiversity in Genomics Era-2024" (ICCBGE-2024)**

*Organized by*  
**Department of Life Sciences,**  
**Pachhunga University College**  
(A Constituent College of Mizoram University, A Central University)

**(Blended Mode)**  
**22<sup>nd</sup> & 23<sup>rd</sup> March, 2024**

#### **About the Conference**

Biodiversity is the cornerstone of the broad ecological services essential to human well-being. Understanding Earth's biodiversity is more than just a genuine scientific curiosity; it is also about maximizing the sustainable use of its resources. This is both scientifically and socially significant. In terms of science, the current event will allow for a better fundamental understanding of the evolution and interactions of life on Earth. While in terms of society, it will enable the creation of new applications and the sustainable use of resources. The Asia Pacific region, especially India, is home to a significant fraction of the world's biodiversity, including major biodiversity hotspots (including the state of Mizoram within the Indo-Burma Hotspot). Globally, diverse consortia are working to sequence the genomes of regional animals, plants, fungi and microbes to generate genetic resources from the Earth. The mounting availability of biological information in terms of genome sequences (humans, plants, animals and microorganisms) and the availability of cutting-edge technologies allow researchers from across the globe to harness unexplored information, furthering our understanding of mechanisms of superior growth and survival. In this two-day international conference in Aizawl on biodiversity conservation in the genomics era, we aim to gather researchers, students, and other stakeholders to share knowledge and experiences working on the above areas, including the understanding of how biodiversity is changing under climate change, conservation of endangered species, the role of genomics, postgenomics tools in conserving biodiversity, provision of ecosystem services, to discovering of unexpected biological knowledge for technological invention. We expect that this conference will foster new collaborations and help define areas within life science that need research attention to ensure sustainable development and better survival of humankind in the future. It is envisioned that participation in this conference will provide prime opportunities to keep pace with cutting-edge research on exciting relevant topics and building strong networks with other scientific community members.

**Theme:** Biodiversity conservation, Genomics, Climate change, Genomic diversity, Genetic diversity, Postgenomics, Genome sequencing, etc.

#### **About Aizawl**

Aizawl is the capital and largest city of the state of Mizoram, India. The city is located north of the Tropic of Cancer in the northern part of Mizoram. It is situated on a ridge 1132 meters (3715 ft) above sea level, with the Tlawng River valley to its west and the Tuirial River valley to its east. In the summer, the temperature ranges from 20 to 30 degrees Celsius, and in the winter, 11 to 21 degrees Celsius. Aizawl is a beautiful place that offers plenty of tourist attractions to both tourists and local inhabitants alike. Besides its breathtaking beauty, Aizawl is the storehouse of all important Government offices, the State Assembly House, and the Civil Secretariat. It also hosts different communities of Mizos wherein they maintain Peaceful Coexistence as the main theme. Various jungle products, monuments, and memorials connected with tribal legends and folklores are also available. This lively and bustling city is enchanting and worth visiting.

## About Mizoram University

The University was established on 2<sup>nd</sup> July, 2001 by the Mizoram University Act, 2000. It appeared in the Gazette of India (Extraordinary) on 25 April 2000 as a Central University, having His Excellency, the President of India, as its Visitor. Visits from eminent dignitaries, scholars and researchers, activists, and politicians from India and abroad constantly occur in the University. In the Times Higher Education Impact Rankings 2022, Mizoram University secured 1<sup>st</sup> Rank in the North-East Region of India. Mizoram University ranked 1<sup>st</sup> among the central universities of the North East region by bagging the 13<sup>th</sup> position in the Indian Institutional Ranking Framework (IIRF), Ministry of Human Resource Development, Govt. of India 2023's Top 20 Central Universities Category. The University has 39 academic departments offering UG, PG, and Ph.D. programs under 10 Schools of Study.

## About Pachhunga University College (PUC)

This is the only constituent college of Mizoram University. The college is NAAC A<sup>+</sup> accredited for two consecutive cycles and funded by DBT under the Star College Scheme. Also, it is one of the few colleges in India that have been granted 'College with Potential for Excellence' by the UGC. The college was accredited with an A+ (CGPA-3.47) in 2022. The National Institutional Ranking Framework placed it at 34<sup>th</sup> among colleges in India and the highest rank from northeast India.

## About the Department

The Department of Life Sciences was established in 2018. The Department runs in coordination between three UG departments- Department of Zoology (7 Faculty), the Department of Botany (6 Faculty), and the Department of Biotechnology (5 Faculty), and one PG department- Department of Life Sciences (2 faculty). The present department intake capacity is 15 students per semester. There are two classrooms equipped with digital screens and smart boards. The General Laboratory is allotted for PG students. M.Sc. students utilize the Advance Level Biotech Hub & Research Center. There is also a dedicated Library with over 80 books for PG students. The department has a fully equipped research laboratory with >15 research scholars and running projects from different funding agencies, such as DBT-BUILDER, ICMR, DBT, SERB, DRDO, and UGC.

## How do you reach Pachhunga University College, Aizawl?

**By Air:** A person can reach Aizawl by direct flights through Kolkata, Guwahati, and New Delhi. However, connecting flights are also available from Mumbai, Chennai, Lucknow, and Hyderabad. The college (PUC) is approximately 35 Km away from Lengpui Airport towards Aizawl City. Pre-paid taxis are readily available from the Airport to reach the college with current running fare of Rs. 1500/ (approx.).

**By Rail:** Silchar is the nearest railway station to Aizawl. The journey (by road) from Silchar to Aizawl takes around 6 hrs. Sumo taxis (share basis cost around 600/-) are available from Mizoram Circuit House, Sonai Road, Silchar.

**Before reaching Aizawl, participants are requested to apply for an Inner Line Permit on the Mizoram state website (<https://ilp.mizoram.gov.in/apply-temporary-ilp>) and show to authorities if requested.**

## Accommodation# (Boarding and Lodging)

No TA and DA will be paid by the organizing committee. Good low-priced hotels are available in Aizawl City. Also, guest houses, lodges, and PG are available at affordable rates. For bookings, please get in touch with the organizing committee.

## Our speakers

### Keynote Speaker

**Prof. H.T. Lalremsanga**

Department of Zoology, Mizoram University, Aizawl

**Field of specialization:** Diversity, Morphology, Molecular and Biology of Insects, Amphibians and Reptiles



### Invited Speakers

**Dr. Ralf Britz**

Senckenberg Natural History Collections, Dresden, Germany

**Field of specialization:** Biodiversity Conservation



**Prof. Jeffrey R. Johansen**

John Cornell University, USA

**Field of specialization:** Algal and Cyanobacteria Ecology and Systematics



**Dr. Mahendra Singh**

Principal Scientist, ICAR-National Bureau of Fish Genetic Resources, Lucknow

**Field of specialization:** Fishes Genomics and Diversity



**Dr. Prashant Singh**

Department of Botany, Banaras Hindu University, Varanasi

**Field of specialization:** Cyanobacterial Diversity and Phylogeny



**Prof. Michel Passarini**

Universidade Federal da Integração Latino-Americana Foz do Iguaçu, Brazil

**Field of specialization:** Microbial Biodiversity and Biotechnology



**Dr. Lallianpui Kawlani**

Scientist-D, Wild Life Institute of India, Dehradun - 248001 Uttarakhand, India

**Field of specialization:** Conservation Breeding, Wild and Domestic Animal Health Management



**Prof. Sunil Kumar Sahu**

State Key Laboratory of Agricultural Genomics, BGI Research, Shenzhen, China

**Field of specialization:** Plant Genetic Diversity and Genome Biology



**Dr. Ajay Kumar**

Department of Biotechnology, Amity University, India

**Field of Specialization:** Fruit microbiome and diversity



**Dr. Mani Vetriventhan**

Senior Scientist (Genetic Resources), International Crops Research Institute for Semi-Arid Tropics (ICRISAT)

**Field of specialization:** Plant Genetic Resource and Diversity



## Registration\*

Registration can be made by filling out the Google form link (*Please, save screenshots of payment details of registration for upload in the Google form*):

[https://docs.google.com/forms/d/e/1FAIpQLSfgQ2Qg0BPwvkD\\_4u3J2\\_RujpHSOLKwO\\_kY1gC66mu7PmSvYg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfgQ2Qg0BPwvkD_4u3J2_RujpHSOLKwO_kY1gC66mu7PmSvYg/viewform?usp=sf_link)

Participation	Early Bird (On or before 12 <sup>th</sup> March 2024)		Late Bird (On or before 21 <sup>st</sup> March 2024)		Accompanying person/Childcare INR (USD)
	For Indian (INR)	Foreign Nationals (USD)	For Indian (INR)	Foreign Nationals (USD)	
Faculty/Delegates	1000/-	20	1500/-	30	700/- (10)
Postdocs	700/-	15	1000/-	20	500/- (7)
Ph.D. Research Scholars	500/-	10	700/-	15	300/- (5)
Student (participation only)	300/-	5	500/-	10	200/- (4)

**\*Registration fee includes Conference Kits, Breakfast, Lunch, and Certificates. #Accommodation can be managed by the organizing secretary on request. However, charges will be paid by participants only.**

### For Payment:

Registration fees can be paid online using account details or UPI ID. Please take a screenshot or PDF file of the transfer to fill out the registration form.

#### Account details:

**Account Holder Name:** Liansangmawii Chhakchhuak

**Account Number:** 10763677887

**Bank name:** State Bank of India

**IFSC code:** SBIN0001539

**UPI ID:** 9774375018@upi



### For abstract/PPT and full-length paper submission

**Submission of Abstracts/PPT or full-length paper:** On or before 12<sup>th</sup> March 2024

**Decision on acceptance:** On or before 15<sup>th</sup> March 2024

**Link for abstract uploading and formatting:**

[https://docs.google.com/forms/d/e/1FAIpQLScnhrVkJ\\_OktTGSgsT195\\_PquDT4oxlkPIK5zYmebmIp\\_74\\_A/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScnhrVkJ_OktTGSgsT195_PquDT4oxlkPIK5zYmebmIp_74_A/viewform?usp=sf_link)

### Call for Papers:

Papers relating to biodiversity and genomics themes are invited from academia, educators and other professionals, NGOs/activists, research scholars, and students. Participants can submit abstracts or full papers via the Google form link provided on or before 12<sup>th</sup> March, 2024. The selected papers will be published in an edited volume by a reputed publisher as a book chapter (CRC, Press, USA). Submission of the full paper after the last date (12<sup>th</sup> March 2024) will not be entertained in any manner.

#### Guidelines for paper to authors:

- The manuscript should be in MS Word 2010 format. The manuscript must be 1.5 spaced, with 1-inch margins with "Times New Roman, Font size 12, black".
- On the first page of the paper, please provide the Paper Title, the full name of the author(s), and complete addresses (institute's address along with designation and corresponding address) along with the email address

- of the author(s).
- The abstract, followed by relevant keywords, should not be more than 250 words and should adequately describe the work and highlight its significance.
  - The complete manuscript should be in the range of 3000-5000 words.
  - A group of experts will review the papers submitted. Original Research work will only be accepted.
  - All correspondence will be done through email only.
  - The authors should follow the APA seventh edition for referencing.
  - UGC's guidelines on plagiarism will be adhered to.

### **Best Paper Award**

The best paper presenter will be awarded a memento, cash prize, and certificate for each session. Awardees will be judged by the session chairperson(s) at the end of the sessions.

### **Organizing Committee**



**Patron**  
Prof. N. Senthil Kumar,  
Dean School of Life Sciences,  
Mizoram University, Aizawl



**Chief Patron**  
Prof. Dibakar Chandra Deka,  
Vice Chancellor, Mizoram  
University, Aizawl



**Patron**  
Prof. H. Lalthanzara,  
Principal, Pachhunga University  
College, Aizawl

**Convener:** Prof. H. Lalruatsanga, Head, Department of Life Sciences, Pachhunga University College

#### **Co-convener:**

1. Prof. Lalramliana, Head, Department of Zoology, Pachhunga University College
2. Dr. Vanlalhruii Ralte, Head, Department of Botany, Pachhunga University College
3. Dr. Zothanpuia, Head, Department of Biotechnology, Pachhunga University College

#### **Organizing Secretary:**

1. Dr. Bendangchuchang Longchar, Assistant Professor, Department of Life Sciences, Pachhunga University College
2. Dr. Laldinsangi, Assistant Professor, Department of Life Sciences, Pachhunga University College
3. Dr. Prashant Kumar Singh, Assistant Professor, Department of Biotechnology, Pachhunga University College

**Treasurer:** Dr. Liansangmawii Chhakchhuak, Assistant Professor, Department of Biotechnology, Pachhunga University College

**Members:** All faculty members of Depts. of Botany, Biotechnology, and Zoology of Pachhunga University College

**Local Organizing Committee:** Research Scholars & Students of the Department of Life Sciences

All queries relating to the Conference should be addressed to [icbge2024@gmail.com](mailto:icbge2024@gmail.com)

*For further clarification, WhatsApp us or, if necessary, call us at Dr. Bendangchuchang Longchar (+919198544208) and Dr. Prashant Kumar Singh (+917005974409).*