



**"International Conference on Advances in  
Biological Sciences" (ICABS)  
February 06-07<sup>th</sup> 2025**  
Organized by  
School of Life Sciences,  
Pachhunga University College  
(A Constituent College of Mizoram University, A Central  
University)



#### **About the Conference**

The International Conference on Advances in Biological Sciences (ICABS) aims to congregate the world's leading scientists to enlighten and share research ideas for mutual benefit. ICABS offers an excellent opportunity to showcase research achievements in different domains by utilizing modern approaches such as omics, genome editing etc. 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. Participation in this conference will be envisioned as a prime opportunity to keep pace with cutting-edge research on exciting, relevant topics and build strong networks with other scientific community members.

**Theme:** Climate change, Genomics, Proteomics, Transcriptomics, Genome editing, Biodiversity, Nanotechnology, Microbiology, etc.

#### **About Aizawl**

Aizawl is the capital and largest city of Mizoram, India. The town 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)**



The college, established in 1958, is a premiere and constituent college of Mizoram University. It offers 22 UG, five PG and two PhD courses, having an area of 106.4 acres in Aizawl city. PUC is accredited A<sup>+</sup> by NAAC for two consecutive cycles. The college secured top 50 position in college category for the last three years (45<sup>th</sup>, 34<sup>th</sup> and 35<sup>th</sup>) in the National Institutional Ranking Framework (NIRF) and the highest rank from northeast India. The college is funded by DBT under the Star College Scheme and DBT BUILDER. Also, it is one of the few colleges in India that have been granted 'College with Potential for Excellence' by the UGC.

#### **About the School of Life Sciences**

The School of Life Sciences was established in 2018. The Department runs in coordination between three UG departments- the Department of Zoology (7 Faculty), the Department of Botany (6 Faculty), and the Department of Biotechnology (5 Faculty), and one PG department- the Department of Life Sciences (2 Faculty). 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 >20 research scholars and running projects from different funding agencies, such as DBT-BUILDER, ICMR, DBT, SERB, DRDO, and UGC.

<b>Confirmed Speakers</b>			
<b>Plenary talk</b>			
<p><b>Prof. H.T. Lalremsanga</b>            Department of Zoology, Mizoram University, Aizawl, India.  <b>Field of specialization:</b> Developmental Biology, Animal ecology, Wildlife conservation, Biodiversity, Herpetology, Taxonomy, Systematics, Proteomics, Venomics, etc..</p>			
<b>Keynote Speaker</b>			
<p><b>Prof. Kishore C.S. Panigrahi</b>  <b>HHU Ambassadors</b>            National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha, India  <b>Field of specialization:</b> Plant developmental Biology</p>			
<b>Invited Speakers</b>			
<p><b>Prof. Josef Elster</b>            Faculty of Science            Center for Polar Ecology,            University of South Bohemia  <b>Field of specialization:</b>            Polar diversity and ecology</p>		<p><b>Dr. Santosh Kumar Upadhyaya</b>            Punjab University, India  <b>Field of specialization:</b>            Plant Molecular Biology</p>	
<p><b>Prof. Neelam Atri</b>            Department of Botany, Banaras Hindu University, India  <b>Field of specialization:</b>            Cyanobacterial stress physiology</p>		<p><b>Prof. Michel Passarini</b>            Universidade Federal da Integração Latino-Americana Foz do Iguaçu, Brazil.  <b>Field of specialization:</b>            Microbial biodiversity and biotechnology</p>	
<p><b>Dr. Channa Chikkaputtaiah</b>            Principal Scientist, CSIR-North East Institute of Science &amp; Technology, India  <b>Field of specialization:</b>            Plant Genome Editing</p>		<p><b>Dr. Abhay Singh</b>            Department of Radiation Oncology, Washington School of Medicine, USA  <b>Field of specialization:</b>            Antibody discovery and development</p>	

<p><b>Dr. Sachin Ramesh Rao Geed</b> Scientist CSIR-North East Institute of Science and Technology, India <i>Field of specialization:</i> Bioremediation of emerging pollutants</p>		<p><b>Dr. Gaurav Sharma</b> UT Southwestern Medical Center, Dallas, Texas, USA <i>Field of specialization:</i> Cardiovascular &amp; Metabolic Diseases</p>	
<p><b>Dr. Namisha Sharma</b> Scientist DBT-Institute of Life Sciences, India <i>Field of specialization:</i> Plant Molecular Biology</p>		<p><b>Dr. Gulab Chand Arya</b> Ramalinga Swami Reentry Fellow and Associate Professor KIIT School of Biotechnology, India <i>Field of specialization:</i> Plant Pathogen Interaction</p>	
<p><b>Dr. Vineet Meshram</b> Dean (Research and Development cell) Anjaneya University, India <i>Field of specialization:</i> Plant Pathogen Interaction</p>		<p><b>Dr. Vijay Pratap Singh</b> Associate Professor University Allahabad, India <i>Field of specialization:</i> Plant Physiology</p>	
<p><b>Dr. Prashant Singh</b> Department of Botany, Banaras Hindu University, India. <i>Field of specialization:</i> Cyanobacterial diversity and phylogeny</p>		<p><b>Dr. Ghuge Sandip</b> Marie Curie Fellow VIB-UGent Center for the Plant System Biology, Belgium <i>Field of specialization:</i> Plant Stress Physiology</p>	
<p><b>Prof. Viji Sither</b> Morgan State University, Baltimore, USA. <i>Field of specialization:</i> Renewable bioenergy and value-added bioproducts</p>		<p><b>Dr. Vivakanand Tiwari</b> Breakthrough Energy's Innovator Fellow, Climate Crop Limited, Israel <i>Field of specialization:</i> Plant Physiology</p>	

<p><b>Prof. Ashutosh Sharma</b> Centre of Bioengineering Tecnológico de Monterrey Campus-Quertaro, Mexico <b>Field of specialization:</b> Medicinal Plant and phytochemistry</p>		<p><b>Dr. Kesava Priyan Ramasamy</b> Umeå University Umeå, Sweden <b>Field of specialization:</b> Molecular Microbiology</p>	
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### Registration\*

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

[https://docs.google.com/forms/d/e/1FAIpQLSezoOxI7ycvmP6m2b3YTS65dp\\_xrNHd060KQwgHja5vXwnRyg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSezoOxI7ycvmP6m2b3YTS65dp_xrNHd060KQwgHja5vXwnRyg/viewform?usp=sf_link)

### For abstract/PPT (for online speakers) submission

On or before 31<sup>st</sup> January 2025

Participation	Early Bird (On or before 31 <sup>st</sup> January 2025)		Late Bird (On or before 05 <sup>th</sup> February 2025)		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.

# The organizing secretary can manage accommodation on a paid basis upon request.

### 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



### Call for Papers:

Papers relating to any discipline related to life science themes are invited. Participants can submit full papers via the email [singhpk@pucollege.edu.in](mailto:singhpk@pucollege.edu.in) on or before 31<sup>st</sup> March 2025. The selected papers will be published in peer-reviewed journals. Submission of the entire paper after the last date will not be entertained in any manner.

### **Guidelines for paper to authors:**

- The manuscript should be in MS Word 2010/higher version 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. The session chairperson(s) will judge the awardees at the end of the sessions.

### **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 rest part of India. 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 a 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 must apply for an Inner Line Permit on the Mizoram state website (<https://ilp.mizoram.gov.in/apply-temporary-ilp>) and show it to authorities if requested.**

### **Accommodation# (Boarding and Lodging)**

The organizing committee will not pay TA and DA. Good, low-priced hotels are available in Aizawl City. Guest houses, lodges, and PG are also available at affordable rates. For bookings, please contact the organizing committee.

### **Organizing Committee**

 <p><b>Chief Patron</b> Prof. Dibakar Chandra Deka, Vice Chancellor, Mizoram University, Aizawl</p>	 <p><b>Patron</b> Prof. G. Guru Subramanian, Dean School of Life Sciences, Mizoram University, Aizawl</p>	 <p><b>Patron</b> Prof. H. Lalthanzara, Principal, Pachhunga University College, Aizawl</p>	 <p><b>Patron</b> Prof. H. Lalruatsanga, Head, Department of Life Sciences, Pachhunga University College, Aizawl</p>
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**Convener:** Prof. Lalramliana, Head, Department of Zoology, Pachhunga University College, Aizawl

### **Co-convener:**

1. Prof. K. Lalchhandama, Department of Zoology, Pachhunga University College, Aizawl

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2. Dr. Vanlalhruii Ralte, Head, Department of Botany, Pachhunga University College, Aizawl
  3. Dr. Zothanpuia, Head, Department of Biotechnology, Pachhunga University College, Aizawl

**Organizing Secretaries:**

1. Dr. Bendangchuchang Longchar, Assistant Professor, Department of Life Sciences, Pachhunga University College
2. 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 the School of Life Sciences (Botany, Biotechnology, and Zoology of Pachhunga University College, Mizoram University)

**Local Organizing Committee:** Research Scholars & Students under the School of Life Sciences Pachhunga University College, Aizawl.

All queries relating to the Conference should be addressed to [singhpk@pucollege.edu.in](mailto:singhpk@pucollege.edu.in)

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