

**FACULTY PROFILE**  
**PACHHUNGA UNIVERSITY COLLEGE**

NAME	H. Lalthanzara		PHOTOGRAPH
DESIGNATION	Professor		
DEPARTMENT	Zoology & Life Sciences		
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WEB PAGE			
<b>EDUCATION</b>			
DEGREE	INSTITUTION	YEAR	DETAILS
B.Sc.	PUC, Aizawl	1997	
M.Sc.(Zool)	NEHU, Shillong	1999	
Ph.D	MZU, Aizawl	2008	
Any Other			
<b>CAREER PROFILE</b>			
ORGANIZATION/ INSTITUTION	DESIGNATION	DURATION	ROLE
PUC	Asst. Professor	2005-2017	Teacher
PUC	Assoc. Professor	2018-2020	Teacher
PUC	Professor	2020 -	Teacher
PUC	Principal	1.3.2021-	Administrator
<b>RESEARCH INTEREST/ SPECIALIZATION</b>			
The science of Earthworm	Animal Ecology & Diversity	Soil Biodiversity	
<b>SUBJECTS/ COURSES TAUGHT</b>			

U.G.

ZOO/V/CC/11: Animal Physiology (Theory)

ZOO/V/CC/12: Animal Physiology (Practical)

ZOO/VI/CC/23(A): Biotechnology and Bioinformatics (Theory)

ZOO/VI/CC/24(A): Biotechnology and Bioinformatics (Practical)

PG (Life Sciences)

LSC/1/CC/01 Cell Biology I (Theory & Practical)

LSC/2/CC/04 Cell Biology II (Theory & Practical)

LSC/3/SC/01 Animal Physiology (Theory & Practical)

HONOURS & AWARDS

PUBLICATIONS

YEAR	TITLE	PUBLISHER/ JOURNAL
2021	Computational guided identification of potential leads from <i>Acacia pennata</i> (L.) Willd. as inhibitors for cellular entry and viral replication of SARS-CoV-2	Future Journal of Pharmaceutical Sciences <b>7</b> :201 <a href="https://doi.org/10.1186/s43094-021-00348-7">https://doi.org/10.1186/s43094-021-00348-7</a>
2021	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties.	Scientific Data <b>8</b> :136 <a href="https://doi.org/10.1038/s41597-021-00912-z">https://doi.org/10.1038/s41597-021-00912-z</a>
2021	Earthworm population dynamics in traditional slash and burn cultivation in Mizoram, Northeast India.	Journal of Environmental Biology, <b>42</b> , 128-134
2020	Study on the <i>Amyntas</i> (Kinberg, 1867) earthworm (Megascolecidae: Oligochaeta) diversity through DNA barcoding from North-East India	Journal of Environmental Biology
2020	Diversity and New Records of Earthworms in Arunachal Pradesh, North-East India	Journal of Environmental Biology
2020	Indian Black Eagle <i>Ictinaetus malayensis</i> (Temminck, 1822): Observations on nesting biology in Mizoram, India	Journal of Environmental Biology
2020	Ethnomedicinal Plants Used Against Diarrhea Available in Mizoram, Northeast India: A	Science & Technology Journal, <b>8</b> (1), 5 – 23.

	Systematic Review.	<a href="https://doi.org/10.2223/2/stj.2020.08.01.01">https://doi.org/10.2223/2/stj.2020.08.01.01</a>
2020	Diversity and Metabolic Potential of Earthworm Gut Microbiota in Indo-Myanmar Biodiversity Hotspot	Journal of Pure and Applied Microbiology
2019	Global distribution of earthworm diversity	Science
2019	Earthworm diversity, density and distribution under shifting (Jhum) cultivation in a tropical hilly terrain of Mizoram, North East India	Journal of Environmental Biology
2019	Diversity of soil macro arthropods in shifting cultivation and forest ecosystem of Mizoram, Northeast India.	Journal of Applied and Natural Science
2018	Isolation and molecular characterization of ginger soft rot pathogenic fungi in Aizawl district of Mizoram, India	Science Vision
2018	Sightings of chestnut-flanked white-eye <i>Zosterops erythropleurus</i> : First report from Mizoram, India	Science Vision
2018	Oligochaete taxonomy – The rise of earthworm DNA barcode in India	Science Vision
2017	A systematic list of mammals of Mizoram	Science Vision
2017	Diversity and Density of Land Snails (Mollusca: Gastropoda) under Slash and Burn Cultivation (jhum) in Mizoram, India	Mizoram Science Congress
2016	Impact of shifting cultivation on soil organic carbon in tropical hilly terrain of Mizoram, India	Science Vision
2016	Factors affecting habitat selection by Mrs Hume's Pheasant <i>Syrnaticus humiae</i> (Hume, 1881) in Mizoram, northeast India.	Science Vision
2014	<i>Schistura mizoramensis</i> , a new species of loach from Mizoram, northeastern India (Teleostei: Nemacheilidae).	Ichthyological Exploration of Freshwaters
2014	<i>Olyra saginata</i> , a new species of bagrid catfish (Actinopterygii: Siluriformes) from northeastern India	Zootaxa
2014	Earthworm cast production and physico-	Tropical Ecology

	chemical properties in two agroforestry systems of Mizoram (India).	
2013	Bird survey in Lengteng Wildlife Sanctuary and Blue Mountain (Phawngpui) National Park, Mizoram	BUCEROS
2011	Pheasants of Mizoram (India): Present status of diversity and distribution	Science Vision
2011	Blyth's Tragopan ( <i>Tragopan blythii</i> ) in Lengteng Wildlife sanctuary, Mizoram, India	Science Vision
2011	Population dynamics of earthworms in relation to soil physic-chemical parameters in agroforestry systems of Mizoram, India.	Journal of Environmental Biology
2010	Recent status of threatened birds of Mizoram	Science Vision
2010	Effect of fertilizer (NPK) on earthworm population in the agroforestry system of Mizoram, India	Science Vision
2009	Traditional Fishing Methods in streams and Rivers of Mizoram	Science Vision
2007	Coincidence of the population outbreak of Thangnang ( <i>Ochrophara montana</i> ) with bamboo flowering: The Mystery	Science Vision
2005	On a new species of earthworm genus <i>Eutyphoeus</i> (Octochaetidae: Oligochaeta) from Mizoram, India.	Megadrilologica
2004	Effect of Soil and Vegetation on the Distribution of earthworms in and around Aizawl, Mizoram, India	Science Vision
2004	Biodiversity of earthworms in Mizoram	Journal of Nature Conservator
CONFERENCE ATTENDED		
YEAR	NAME OF THE CONFERENCE	ORGANIZER
2008	<b>Presented</b> "Population dynamics of earthworm in agroforestry ecosystems of Mizoram, north-east India" in	Zoology Department NEHU, Shillong, Meghalaya
2008	<b>Presented</b> "Worm Cast production and its nutrient status in relation to adjacent soil in	Mizoram Science Society & MCST&E,

	agroforestry system of Mizoram, India” State Level Symposium on Recent Advances in Science and Technology.	Govt. of Mizoram
2009	<b>Presented</b> “Science Congress Effect of fertilizer (NPK) on earthworm population in Agroforestry system of Mizoram, India” Indian Science Congress 2009 at Shillong, Meghalaya	Indian Science Congress Association
2011	<b>Presented</b> “Application of Radiation in Biological Sciences” in Recent Trends and Developments of Radiations and its Applications	Dept. of Physics, P.U. College, Aizawl
2012	<b>Presented</b> “Diversity and habitat preferences of earthworms in subtropical rainforests of northern Mizoram, India” in International Conference on Global Ecosystems, Biodiversity and Environmental Sustainability in the 21 <sup>st</sup> Century (ICGBEnS-2012).	Dept. of Environmental Sciences, Assam University, Silchar
2012	<b>Presented</b> “Vertical Distribution of Earthworms in Mizoram, India” in Third National Symposium on Earthworm Ecology and Environment (NSEEE-3)	Dept. of Zoology, T.U, SEEER & Tripura Biodiversity Board
2012	<b>Presented</b> “Medicinal Values of earthworms: Traditional practices to Recent Research” in National Seminar on Emerging Trends in Bioscience and Future Prospects.	Dept. of Zoology, PUC & RIPANS, Mizoram
2015	<b>Presented</b> “Comparative Studies on Diversity and Population Dynamics of Centipede (Chilopoda) under Shifting Cultivation and Forest Ecosystem in Mizoram, Northeast India” in Workshop on Current Trends of Biodiversity Research in Mizoram.	Dept. of Env. Science, MZU & Dept. of Zoology, PUC, Aizawl
2016	<b>Presented</b> “Diversity and density of Land Snails (Mollusc: Gastropoda) Under Slash-and-Burn Cultivation (Jhum) in Mizoram, India” in Mizoram Science Congress 2016.	MISTIC, MSS, MAS, STAM.GSM & BIOCON
2017	<b>Presented</b> “Earthworm Diversity of Mizoram: A Hidden Bioresources for Sustainable Agriculture” in National Seminar on Biodiversity, Conservation and Utilization of Natural Resources with reference to Northeast	Department of Zoology, MZU

	India (BCUNREI).	
2017	<b>Presented</b> “Density and Diversity of Earthworms under Shifting Cultivation of Tropical Rainforests of Mizoram, India” in National Seminar on Biodiversity, Conservation and Utilization of Natural Resources with reference to Northeast India (BCUNREI).	Department of Zoology, MZU
2018	<b>Presented</b> “Diversity of soil macrofauna in two land use systems in Mizoram India” in National conference on Recent Trends in Biological Research and Future Prospects.	Department of Zoology, Sikkim University
2018	<b>Presented</b> “Earthworm Population Fluctuations under Traditional Shifting Cultivation in Northeastern India” in 1 <sup>st</sup> International Earthworm Congress at Shanghai, China (ISEE-11, IOTM-8, IEIF-1).	School of Agriculture and Biology, Shanghai Jiao Tong University, Shanghai, China
2018	<b>Presented</b> “Exploration of Earthworm Species Composition in Mizoram, Northeast India” in 1 <sup>st</sup> International Earthworm Congress at Shanghai, China (ISEE-11, IOTM-8, IEIF-1).	School of Agriculture and Biology, Shanghai Jiao Tong University, Shanghai, China

#### PUBLIC SERVICE/ UNIVERSITY AND COLLEGE SERVICE/ CONSULTATION ACTIVITY

Member, BOS, Zoology department, MZU  
Member, School Board, Life Sciences, MZU  
Member, State Board for Wetland Conservation Project, Govt. of Mizoram  
Member, State Board for Wildlife, Govt. of Mizoram  
Member, Nomenclature Committee, EF&CC Dept. Mizoram  
Secretary, Research Project Committee, PUC  
Member, Executive Council, Mizoram University  
Member, Academic Council, Mizoram University  
Member, Library Committee, Mizoram University  
Member, Sports Board member of Mizoram University  
Member, Executive Committee, MISTIC, DST, Govt. of Mizoram

#### PROFESSIONAL SOCIETY MEMBERSHIPS

Life member, Mizo Academy of Sciences (MAS, formerly MIPOGRASS)

Life member, Society of Earthworm Ecology & Environmental Research (SEEER), India

## PROJECTS & COLLABORATIONS

1. Studies on Biodiversity of earthworms in Mizoram (UGC(NERO) Guwahati)
2. Status survey of endangered species (Phyrei's leaf monkey, Great Hornbill and Blyth's Tragopan) at Lengteng Wildlife Sanctuary and Murlen National Park, Mizoram (E&F Dept., Govt. of Mizoram)
3. Diversity, Distribution and Habitat selection by Pheasants in Mizoram (DST (SERB), New Delhi)
4. Diversity, Distribution and abundance of Soil Macrofauna in shifting cultivation areas of Mizoram (UGC(NERO) Guwahati)
5. Barcoding and Diversity Analysis of Earthworms of Northeast India (DBT, New Delhi)
6. Identification, Distribution, Density and Habitat Analysis of *Eutyphoeus* (Michaelson, 1900) Earthworms (Oligochaeta: Annelida) in northeast India, SERB, DST, New Delhi

## OTHER DETAILS

- Book published "Popular Birds of Mizoram", funded by IBCN-BNHS, Mumbai (2014)
- Co-authored Book "Current Trends of Biodiversity Research in Mizoram" 2016
- Served as Guest Editor of special issue of Journal of Environmental Biology (Scopus and WoS index journal) 'Recent Trends of Animal Research in Northeast India'
- Convened "International Conference on Recent Advances in Animal Sciences (ICRAAS)" funded by DST-SERB, DBT, NEC, MZU (6-8 Nov., 2019)