

PACHHUNGA UNIVERSITY COLLEGE							
LIST OF GRANTS FOR RESEARCH PROJECTS							
Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Characterization and DNA Barcoding of fishes from Mizoram	Dr Lalramliana	ZOOLOGY	2016	₹ 51,35,000	3 yrs	DBT, N.Delhi	Government
Status and Molecular Characterization of helminth parasites of fresh water fishes in Mizoram, Northeast India	Dr. C Malsawmtluangi	ZOOLOGY	2016	₹ 28,00,000	3 YRS	(WOS-A) GOI, DST	Government
Barcoding and diversity analysis of earthworms of Northeast India	Dr.H.Lalthanzara,	ZOOLOGY	2017	₹ 38,09,000	3 yrs	DBT, N.Delhi	Government
Chemical characterisation and biological studies on the anthelmintic property of indigenous medical plants of the Mizo tribes	Dr K Lalchhandama	ZOOLOGY	2017	₹ 53,46,000	3 yrs	DST (SERB)	Government
Molecular characterisation of fishes of the family Sisoridae (Actinopterygii: Siluriformes) from three drainages (Barak-Meghna, Karnaphuli and Kaladan) in Mizoram	Dr. Samuel Lalrununga	ZOOLOGY	2017	₹ 19,20,000	3 yrs	DST (SERB)	Government
Modelling and experimental investigation of half-metallic epitaxial films based on Heusler alloys for spin-injection Terahertz and Far-Infrared Photonics	Dr.Dibya Prakash Rai	PHYSICS	2017	₹ 27,09,120	3 yrs	DST (SERB)	Government
Study on some important agriculture crops as affected by multipurpose trees on their yield and soil conservation for jhum rehabilitation in Mizoram, NE India	Dr. Tawnenga	BOTANY	2018	₹ 9,92,040	3 yrs	IERP	Government
Technology development, management and long-term monitoring of Shifting Cultivation and Coal Mining in North-Eastern India	Dr Tawnenga	BOTANY	2018	₹ 8,58,000	2 yrs	NBRI	Government
Carbohydrates derived organocatalysts and their application in organic synthesis	Dr K Vanlalduipua	CHEMISTRY	2018	₹ 49,86,000	2 yrs	DST	Government
Synthesis and characterization of lead free perovskite films for photovoltaic applications	Dr. NINGTHOUJAM SURAJ SIINGH	ENVIRONMENTAL SCIENCE	2018	₹ 33,36,000	3 yrs	DST (SERB)	Government
Monitoring of landslide by instrumentation and participatory mapping	Dr Laldinpuia	GEOLOGY	2018	₹ 25,11,430	2 YRS	NRDMS	Government
Cut Slope Stability Analysis along NH-54 between Aizawl and Hmuifang Tourist Resort, Mizoram	Dr Laldinpuia	GEOLOGY	2018	₹ 31,41,000	2 yrs	DST	Government
Molecular and biochemical characterization of symbiotic bacteria associated with entomopathogenic nematodes (Stenonematidae and Heterorhabditidae)	Dr Lalramliana	ZOOLOGY	2018	₹ 2,20,000	2 yrs	GOM	Government
Assessment of ecological impact, economic viability and management of Oil palm, Elaeis guineensis plantation in Kolasib District, Mizoram	Dr H Lalruatsanga	BOTANY	2019	₹ 11,99,800	2 yrs	IERP	Government
Sustainable management and utilization of non-timber forest products (NTFPs) of plant origin in Tawi Wildlife Sanctuary	Dr Lallawmkimi	ENVIRONMENTAL SCIENCE	2019	₹ 11,96,030	2 yrs	IERP	Government
In-Situ and Ex-Situ Conservation of Turtles and Tortoises of Mizoram using Geoinformatics Tool: Inventoring, Molecular Characterization, Distribution, Ecological Niche Modeling and Conservation of Chelonian in Mizoram.	Dr KC Das	ENVIRONMENTAL SCIENCE	2019	₹ 33,45,120	3 yrs	DST (SERB) EMEQ	Government

Designing and investigation of alkalimetal decorated grapheme and boron nitride(BN) nanostructure for hydrogen storage: A first principle study	Dr.Dibya Prakash Rai	PHYSICS	2019	₹ 34,91,400	3 yrs	DST	Government
Study of Health Hazards of Cell Tower Radiations and Mobile Phone usage in Particular to DNA damage(Micronuclei formation)"	Dr Lalrinthara	PHYSICS	2019	₹ 1,20,000	1 yr	GOM	Government
First-principles investigation of piezoelectric and half-metallic magnetism in wide band gap II-VI compounds for spintronic and other applications	Dr Lalhriatzuala	PHYSICS	2019	₹ 40,09,000	3 yrs	DST	Government
National Mission on Himalayan Studies (NMHS)	Dr Lalramliana	ZOOLOGY	2019	₹ 36,41,616	2 yrs	NMHS	Government
Molecular and morphological characterization of freshwater fishes of the subtribe Garra (Teleostei: Cypriniforms) of North East India	Dr Lalramliana	ZOOLOGY	2019	₹ 39,42,500	3yrs	DST	Government
Inventorization and conservation of herpotofauna in the Hmuifang-Sialsuk- Sailam hill range of Mizoram, northeast India with local participation	Dr Samuel Lalronunga	ZOOLOGY	2019	₹ 1,50,000	1 yr	GOM	Government
Morphological and molecular characterization of insect pest and fungal pathogens of ginger (Zingiber officinale Roscoe) in Champhai and Serchhip, districts of Mizoram	Dr Vanramliana	ZOOLOGY	2019	₹ 9,94,800	2 YRS	IERP	Government
Mizoram Biodiversity Documentation and Establishment of a Natural History Museum of Mizoram: Beetle diversity in the natural forest and jhumforests of Mizoram	PI: Dr K Lalchhandama, Co-PI: Dr PC Vanlalhluna & Dr Lalramliana	ZOOLOGY & BOTANY	2019	₹ 45,12,604	3 yrs	DBT	Government
Scrub typhus: Vector identification, genotype diversity and distribution of Orientia tsutsugamushi in Mizoram, North-East India	Dr Vanramliana	ZOOLOGY	2019	₹ 45,54,270	3 yrs	DST	Government
Bioactivity guided purification of antimicrobial compounds from selected ethanomedicinal plants of Mizoram, Northeast India	Dr. Garima Singh	Botany	2019	₹ 10,00,000	2 Years	UGC, New Delhi	Government
Cadmium and silicon induced proteomics changes in Anabaena species	Dr. Prashant Kumar Singh	Biotechnology	2019	₹ 10,00,000	2 Years	UGC, New Delhi	Government
Socio Economic Survey report of Six villages of Sialkal Range Development Council (Mimbung, Hrinagmun, Teikhang, Kawlbem, Selam and Vaikhawtlang)	Lalthlamuana Ralte	Economics	2019	₹ 3,02,000	1 yr	Sialkal Range Development Council, GOM	Government
"Design of Biosensor kit for the detection of creatinine (kidney biomarker) using nanotechnological approach"	Dr Punuri Jaya sekhar Babu	BIOTECHNOLOGY	2020	₹ 24,48,974	2 yrs	SERB-SRG	Government
Identification, Distribution, Density and habitat Analysis Eutyphoeus (Michaelsen,1900	Dr H Lalthanzara	ZOOLOGY	2020	₹ 39,75,120	3 yrs	DST	Government
Design of multifunctional nanocomposite membrane for wound healing applications	Dr.Punuri Jayasekhar Babu	Biotechnology	2020	₹ 10,00,000	02 Years	UGC, New Delhi	Government
Bioprospecting Endophytic Actinobacteria associated with Selected Traditional Medicinal Plants for Antimicrobial Potentiality against Clinical MDR Pathogens	Dr. Zothanpuia	Biotechnology	2020	₹ 10,00,000	02 Years	UGC, New Delhi	Government
Exploration of Synthetic compounds for the treatment of upper respiratory tract infections	Dr. Mukesh Kumar Yadav	Biotechnology	2020	₹ 10,00,000	2 Years	UGC, New Delhi	Government
Estimation of health and economic burden due to alcohol-related liver diseases in India and its states: a multi-state Markov model approach	Dr. Sambasiva Rao Pasupuleti	Statistics	2020	₹ 10,00,000	2 Years	UGC, New Delhi	Government

Vermiremediation of petroleum refinery sludge: an attempt for sustainable recycling in agriculture as a source of plant nutrients: Subhasish Das	Dr. Subhasish Das	Environmental Science	2020	₹ 10,00,000	2 Years	UGC, New Delhi	Government
Use of nontoxic nanoformulations for prolonging shelf-life and reduction of postharvest loss of mandarin (Citrus reticulata) orange of North East India.	Dr.Punuri Jayasekhar Babu	Biotechnology	2021	₹ 2,93,27,863	03 Years	DBT, New Delhi	Government
Mizo tawng tobul leh hmasawn dan chhuichianna	Dr. H. Laldinmawia	Mizo	2021	₹ 50,000	6 months	Human Resource Development Board, Govt. of Mizoram	Government
Documentation of Mizo Freedom Fighters: Mizo raids and counter Military Offensive		Mizo	2021	₹ 25,00,000	1 year	Ministry of Tribal Affairs, Govt of Mizoram through Social Welfare Department, Govt of Mizoram	Government
Publication of biographical booklet of five Mizo freedom fighters during the colonial resistance		Mizo	2021	₹ 1,00,000	6 months	Ministry of Tribal Affairs, Govt of Mizoram through Social Welfare Department, Govt of Mizoram	Government
Teacher's Self-Efficacy and Job Satisfaction among Secondary School Teachers of Mizoram.	Prof. Rinpari Ralte (PI), Dr. Grace Lalkhawngaihi and Dr. C. Zothanmawia (Co-PI)	Psychology	2021	₹ 15,000	1 year	School Education Department, Govt. Of Mizoram.	Government
Synthesis and evaluation of phyto-compounds for the therapeutic intervention of respiratory tract infectious diseases via modulation of CYCLOOXYGENASE	Dr Mukesh Kumar Yadav	Biotechnology	2021	₹ 30,18,250	2 Years	SERB, New Delhi	Government
Decoding the role of universal stress protein in Arabidopsis thaliana	Dr Prashant Kumar Singh	Biotechnology	2021	₹ 28,91,319	2 Years	SERB, New Delhi	Government
Thermoelectric Properties and Self-organization Processes in Silicates, Doped by Metal Oxides	Dr. Dibya Prakash Rai	Physics	2021	₹ 10,55,268	3 years	DST	Government
Design of Biosensor Kit for the detection of Creatinine (Kidney Biomarker) using nanotechnological approach	Dr. Punuri Jayasekhar Babu	Biotechnology	2021	₹ 24,48,974	2 years	SERB(DST)	Government
Boost to University Interdisciplinary Life Science Departments for Education and Research	Dr. K. Lalchandama & Dr. Lalramliana	Zoology	2021	₹ 2,68,50,120	5 years	DBT	Government
Cynobacterial antimetabolites for Respiratory tract infections and Bio-activity Potential	Dr. Prashant Kumar Singh	Biotechnology	2021	₹ 15,00,960	2 years	ICMR	Government
Earthquake Monitoring & Seismo-Tectonic Studies in and Around Mizoram	Dr. Saitluanga	Geology	2021	₹ 5,73,625	1 years	GOM	Government
Educational Survey Programme of SRDC Area	DR LP Lalduhawma	Mathematics	2021	₹ 3,56,000	18 Month	Sialkal Range Development Council, GoM	Government

  
 ( Prof. H.LALTHANZARA )  
 Principal  
 Pachhunga University College  
 Aizawl : Mizoram