

One Day Workshop

on

Research Methodology and Monitoring of the Research Projects

Organized By: *The Project Committee, Pachhunga University College, Aizawl.*

Venue: *Seminar Hall, Pachhunga University College, Aizawl, Mizoram*

Dated: *11th August, 2017*

Workshop on

RESEARCH METHODOLOGY & MONITORING ONGOING PROJECTS

(RM&MOP-2017)

PROGRAMME

Time : 11th August, 2017 (Friday)
Place : PUC Seminar Hall, Pachhunga University College, Aizawl, Mizoram
Chief Guest : Dr. RK Lallianthanga, Chief Scientific Officer, Dept. of Sc. & Tech., Mizoram

INAUGURAL SESSION [09:30 – 10:30 a.m.]

Chairman : Dr. Tawnenga, Principal, P.U. College [ppt. 10 mins]
Welcome address: Mrs. Lalhlimpuii, Vice Principal [5 mins]
Speech : 1. Chief Guest [12 mins]
2. Guest of Honour [8 mins]

Light Refreshment {inside seminar hall}

TECHNICAL SESSION – I [10:40 a.m.–12:30 p.m.] Progress report presentation & interaction

Chairman: Dr. Rinpari Ralte, Head of Dept., PUC (5 mins)

Keynote address: Prof. Diwakar Tiwari, Dept. of Chemistry, MZU (25 mins)

Time	Name of PI	Topic
11:15	Dr. K. Lalchhandama Dept. of Zoology	Chemical and pharmacological analysis of <i>Acmella</i> sp., an indigenous phytomedicine used among the Mizo tribes of India as an anthelmintic and mosquitocide
11:30	Dr. Rita Zomuanpuii DST Women Scientist	Analysis of two genes associated with anti-malarial drug resistance and also target genes of developing vaccines in Mizoram, NE India
11:45	Dr. Bharati Rai Dept. of Physics	A first principles study of transition metal based oxide perovskite compounds, probe for solar cell materials.
12:00	Dr. N. William Singh Dept. of Sociology	Assymetrical Borderlands: Network and narratives of communities on the edge of Mizoram borders
12:15	Dr. Vanramliana Co-ordinator	i) Institutional Biotech Hub Project report ii) UGC Community College Project report

Lunch (12:30 – 01:00 p.m.)

TECHNICAL SESSION – II [01:00 p.m. – 04:30 p.m.] Progress Report Presentation & Interaction

Moderator: Dr. Shivraj Gurung, Assoc. Professor & HoD, Department of Physics

Invited lecture: Prof. N. Senthil Kumar, Head, Dept. of Biotechnology, MZU (External expert) (20 mins)

Time	Name of PI	Topic
01:00	Dr. C. Malsawmtluangi DST Women Scientist	Status and molecular characterization of helminth parasites of freshwater fishes in Mizoram, Northeast India
01:20	Dr. K.K. Singh Dept. of Env. Science	Evaluation of the Ecological Status of Tamdil Lake, Mizoram, Northeast India
01:35	Dr. Vanlaltanpuia Dept. of Philosophy	Overcoming the Metaphysics of consciousness: A new Entry into the Paradigm of being in Heideggerian Ontological Phenomenology
01:50	Dr. K. Vanlaldinpuia Dept. of Chemistry	Design, synthesis and application of D.fructose derived amino catalysts for asymmetric synthesis
02:05	Dr. Samuel Lalronunga, DST Post-Doctoral Fellow	Molecular characterisation of fishes of the family Sisoridae (Actinopterygii: Siluriformes) from three drainages (Barak-Meghana, Karnaphuli and Kaladan) in Mizoram
02:20	Dr. K. Birla Singh, Dept. Zoology	Study on the Effect of Long Term Excessive Zn Supplementation on Gene Expression of Antioxidant Enzymes in wister Rats and Their FI – Generation Rats
02:35	Dr. H. Lalthanzara Dept. of Zoology	Barcoding and diversity analysis of earthworms of Northeast India
02:50	Dr. Lalramliana Dept. of Zoology	i) Molecular and Morphological Characterization of Entomopathogenic Nematodes and screening of their potential as Biological Control Agents in Mizoram, NE India(DST-SERB) ii) Characterization and DNA Barcoding of fishes from Mizoram (DBT)
03:15	Ms. Lalingngheti Ph.D scholar	Ph.D work progress report
03:25	Mr. Lalawmawia Sailo Ph.D scholar	Ph.D work progress report

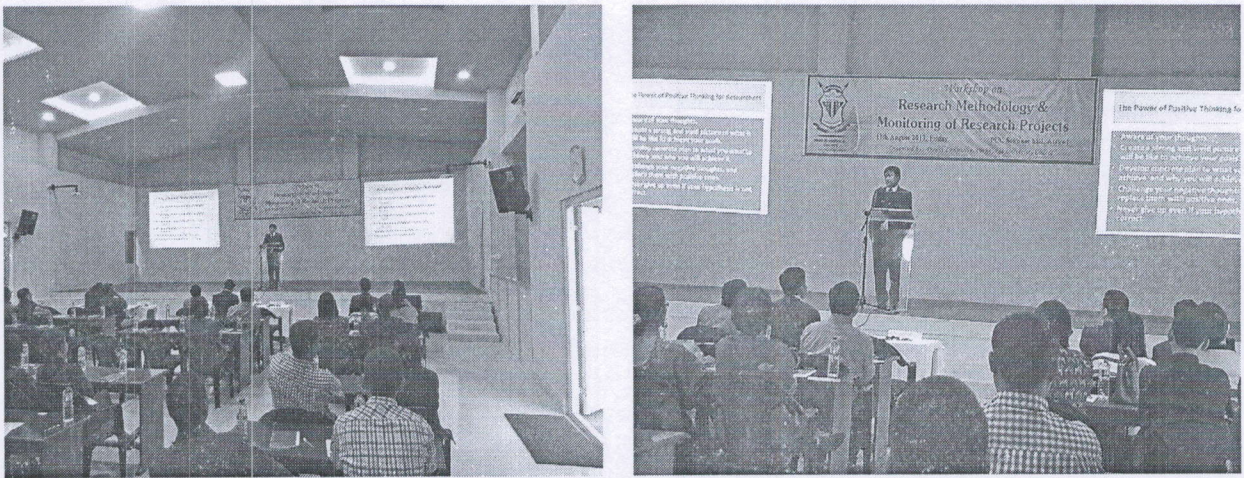
Light Refreshment

{Tea will be served inside seminar hall}

Vote of Thanks: Dr. K. Birla Singh, Secretary, RM&MOP-2017

Brief Report

A one day workshop on ‘**Research Methodology and Monitoring of the Research Projects**’ was organized by the Project Committee on 11th August, 2017 at Seminar Hall, Pachhunga University College Aizawl with an aim to encourage young teachers of the college to take up and pursue meaningful quality research works in the college. Altogether around 80 participants including the Principal Investigators (PIs) of the ongoing and completed major projects undergoing at the college participated in the workshop. Participants including research scholars and faculty members from the USA, Assam University Silchar and other colleges in the Aizawl viz, Government Aizawl College participated in the workshop. The workshop was graced by the Guest of honour **Dr. RK Lallianthanga, Chief Scientific officer, Dept. of Science and Technology, Mizoram. Dr. Tawnenga, Principal, Pachhunga University College, Aizawl** in his inaugural speech highlight an overview of the research works undergoing at present as well as in the past.



Photograph 1: Dr. Tawnenga, Principal, Pachhunga University College, Aizawl delivering welcome address



**Dr. RK Lallianthanga, Chief Scientific Officer, Directorate of Science & Technology,
Mizoram**

He talks in length on the necessity of faculty member to carry out research work in order to update them with fast changing pace of the globalized world. He also encouraged all the young investigators and researcher of the college with various beautiful proverbs and quotes. **Mrs. Lalhlimpuii, Vice Principal of the college**, in her welcome address urged to all the participants to utilized maximum benefit from the workshop. She also highlighted the importance of the research work in the academic life. **Dr. RK Lallianthanga** in his inaugural address highlight the thrust areas of the sciences where the young investigators can take up research works in the future like geological sciences, life sciences and physical sciences etc. taking in special consideration of the resources available and problems currently facing by the state of Mizoram. He also advised all the young teachers to work collaboratively so that the output of the research can be reached to the common people of the state and country at large.



Photograph 2:

Organizing Committee members with Key note speaker Prof. Diwankar Tiwari, Head of Department, Department of Chemistry, Mizoram University, Aizawl

The first technical session of the seminar was started with the Key note talks from **Prof. Diwankar Tiwari, Head of Department, Department of Chemistry, Mizoram University, Aizawl** on the topic “**Impact of Research on Higher Education**”. He talked in length about the role of research in the teacher’s informed teaching activities in the classroom, parameters in the National Institute Framework Ranking (NIFR) introduced under HRD, Government of India and the how the quality research output plays an important component in getting good ranking of the Institutions under NIFR. He also urged young investigators of the college to judiciously use Intellectual Property Right (IPR) and applied for patent for any products that come out from the research. After that various PIs including one DST’s women scientist presented the progress report of their research project works on various topics ranging from DNA barcoding of fishes, antimalarial drugs, Cross border state studies and Institutional Biotech Hub undergoing in the college. All the PIs highlighted not only the progress report but also future work plans and problems faced if any during the implementation of the project work. Each presentation was followed by constructive discussion with the PIs and the participants.



Organising committee with Prof. N. Senthil Kumar and Dr. Tawnenga Principal, P.U. College

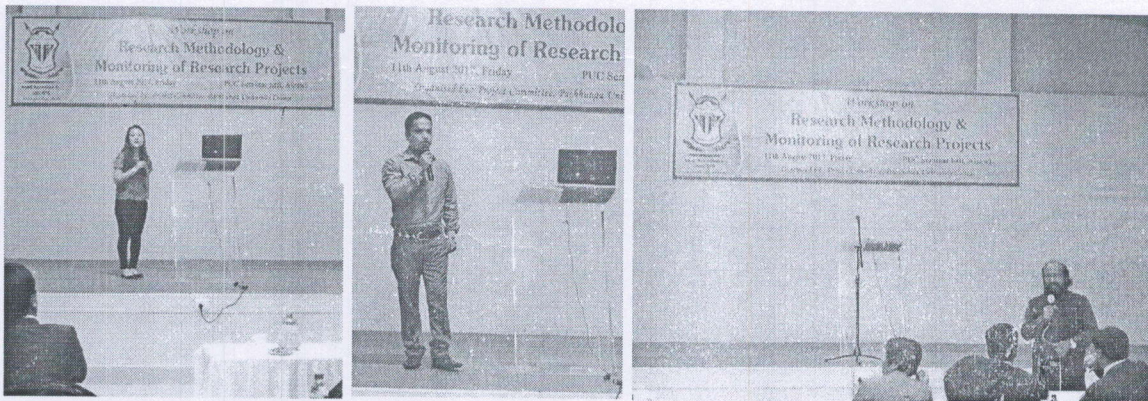
The second technical session was started with an Invited lecture delivered by **Prof. N. Senthilkumar, Dept. of Biotechnology, MZU** and also Coordinator of Advance Biotech Hub, MZU on the topic entitled **“Research and Development for better world”**. He highlights to the participants about the techniques of effective presentation and how to prepare quality slides etc. He also talk in length about how to write a research grant as well as research articles, what are the important components of a research grant and review as well as original research articles to the young investigators present in the workshop. The major highlight of the sub technical session of the afternoon session were progress reports presentation from the PIs of various major research projects undergoing in the college with topics ranges from Nematodes of Mizoram, Study of the physiochemical parameters of Tamdil lake, Gene expression studies and DNA barcoding of earthworm of North East etc. There was a fruitful deliberation between the PIs and external experts as well as with the participants about the methodology of the research works, future course of works and innovative ideas and emerging concept which can be incorporated in their project work for better and quality output. The workshop was come to end with certificate distribution to the participants by **Dr. H. Lalthanzara, Coordinator of the workshop** and a short Vote of Thanks addressed by **Dr. K. Birla Singh, Secretary, of the workshop**. The Worksop was concluded with light refreshments.



Audience



Dr. C. Malsawmtluangai, DST Women Scientist-A, presenting her progress report



Some Presenter & interaction picture