



राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM

THE
COMPENDIUM

NOVEMBER 2023

VOLUME II, ISSUE V

Director's Message



**Prof. S. Sundar
Director
NIT Mizoram**

Greetings !!

This is the Fifth issue of the Second volume of the Institute newsletter 'THE COMPENDIUM'. It is a short collection of advancement of our students, teaching fraternity and staff during the month of November 2023.

I appreciate the Editorial team for their relentless effort in bringing out 'THE COMPNDIUM'. I congratulate faculty members and students for their publications, participation in academic events, organising academic activities and other notable achievements.

I wish all the readers a happy reading !!



Editor~ In~ Chief's Message



Dr. Shuchi
Associate Professor
Dept. of HSS (English)

Warm Greetings !!

I am pleased to bring out the Fifth issue of the Volume II- Institute monthly newsletter, 'THE COMPENDIUM: a synopsis of events and academic prosperity of NIT Mizoram'.

The highlights of the current issue encompass academic & outreach activities and a wide spectrum of research & development for the month of November 2023.

I express my heartfelt gratitude towards the Director, NIT Mizoram, Prof S Sundar for his encouragement and Support.

I extend my sincere thanks to the Editor, Dr. Saurav Suman for all his help and technical support.

I also thank all my colleagues (faculty & office staff) and students of NIT Mizoram for their support by sending their achievements to us.

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RESEARCH AND DEVELOPMENT

❖ WORKSHOPS/CONFERENCES/STTP/FDP/EXTRA-MURAL LECTURES CONDUCTED

✚ Extramural Lecture on Let us e-walk for Harvesting Abundant Energy from Biochemical Activities

NIT Mizoram organized an extramural lecture on 'Let us e-walk for Harvesting Abundant Energy from Biomedical Activities and the resource person was Prof. Perumal Alagarsamy, Department of Physics, Indian Institute of Technology Guwahati, on 30th November 2023.

NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India
Chaltlang, Aizawl, Mizoram - 796012, INDIA

Presents
An Extramural Talk
on
Let us e-walk for harvesting abundant energy from biochemical activities

Speaker

Prof. Perumal Alagarsamy
Department of Physics
Indian Institute of Technology (I.I.T) Guwahati

Organized by
NIT Mizoram

Date - 30th November 2023
Time - 3:00 PM (Online)
Google meet Link - <https://meet.google.com/etj-qsbo-wgj>

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❖ Shri Harshavardhan Neotia (Chairman, Ambuja Neotia Group, Kolkata), the Hon'ble Chairperson, BOG, NIT MIZORAM



❖ **PUBLICATION (Journal/Conference/Book Chapter)**

1. SR Mishra, PK Pattnaik, S Ontela, S Panda, "Characterization of Shape factor with Multi Slip and inclined Magnetized Radiative Casson Hybrid Nanofluid Transport in an Expanding/Contracting Convective Sheet" Partial Differential Equations in Applied Mathematics, <https://doi.org/10.1016/j.padiff.2023.100570>
2. Padma Ummeda, Surender Ontela, "Irreversibility Analysis of Magnetohydrodynamic (MHD) Mixed Convection Flow of Viscoelastic Hybrid Nanofluid Flow in a Channel" Chemical Engineering Journal Advances, <https://doi.org/10.1016/j.cej.2023.100566>
3. Subhalaxmi Dey, Surender Ontela, Pradyumna Kumar Pattnaik, Satyaranjan Mishra, "Performance of Carbon Nanotubes (Cnts) on The Development of Radiating Hybrid Nanofluid Flow Through an Stretching Cylinder" Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, <https://doi.org/10.1177/23977914231207947>
4. Rozamlia, Jackson Gurung, Ajmal Koya Pulikkal, "Exploring the Interactions of Anionic Dye Tartrazine with Cationic Surfactants in Aqueous Solution: Insights into Micellization and Interfacial Properties" Inorganic Chemistry Communications, 2023 & 10.1016/j.inoche.2023.111740
5. Malsawmdawngkima Hnamte, Ajmal Koya Pulikkal, "Biocompatible Polymeric Nanoparticles as Carriers for Critical Anticancer Phytochemicals" European Polymer Journal, 2023 & 10.1016/j.eurpolymj.2023.112637
6. Raj Kumar, Gaganpreet Singh, Vijay Mandal, J Ramkumar, "Excimer Laser Micromachining and Their Potential Applications" Laser Applications in Manufacturing (Book chapter, CRC Press, Taylor & Francis), <https://doi.org/10.1201/9781003279501>

❖ **WORKSHOPS/CONFERENCES/STTP/FDP/EXTRA-MURAL LECTURES ATTENDED**

1. Dr. Kumar Raja Vanapalli attended the 3rd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering from 24th to 25th November 2023.
2. Smitashree Singh (Research Scholar in Physics) presented a paper at International Conference on Energy and Advanced Materials(ICEAM-2023), Jaypee Institute of Information Technology, Noida (U.P.) from 2nd to 4th November 2023.

STUDENT ACHIEVEMENTS:

1. Mr. Sushil Joshi (Research Scholar in Physics) was awarded with the Best Paper Award 8th International Conference on Microelectronics, Electromagnetics and Telecommunications (ICMEET-2023) Organized by: Department of ECE, NIT Mizoram.

NIT Mizoram organises “JAL SHAKTI ABHIYAN - CATCH THE RAIN”

National Institute of Technology Mizoram (NIT Mizoram), an Institute of National Importance under the Ministry of Education, Govt. of India, organized “Jal Shakti Abhiyan - Catch the Rain” awareness program from 04 March 2023 to 30 November 2023 at its premises. The program is aligned with the nationwide campaign initiated by the Ministry of Jal Shakti, Govt. of India, focusing on saving and conserving rainwater with the theme “Source sustainability for drinking water.”



**NATIONAL INSTITUTE OF TECHNOLOGY
MIZORAM**

JAL SHAKTI ABHIYAN-CATCH THE RAIN 2023
(04.03.2023 to 30.11.2023)

THEME : SOURCE SUSTAINABILITY FOR DRINKING WATER

ACTIVITIES

- Quiz Competition
- Speech Competition
- Slogan Competition



- Poster Competition
- Exhibition
- Expert Talk

REGISTER HERE

Registration Dates: 15th September to 4th October 2023

Top performers of the competitions will get prizes as per institute's norms.

Organizing Committee and Contact Details:-
Dr. Ramesh Kumar (ramesh.cse@nitmz.ac.in), Dr. Sukanta Roy (sukanta.me@nitmz.ac.in), Dr. Vaibhav Malviya (vaibhav.cse@nitmz.ac.in)







❖ RESEARCH OUTLOOK @ NIT MIZORAM

Mohd Fahad Khan is a research scholar in English, researching on "Fiction, Representation, and Intersectionality: Convergences and Divergences in the select works of Mahasweta Devi and P. Sivakami." Examining Mahasweta Devi and P. Sivakami's works, his research explores the interplay of gender, class, and caste oppression through an intersectional feminist lens. This study will further compare selected works of both writers to provide a nuanced understanding of representation and empower the subjects at the periphery investigating narrative styles, power relations, and socio-political implications in Indian fiction writing in general. The questions explored in this research pertaining to the study of intersectionality, marginalization, and Dalit and tribal literature, forming part of a wider corpus of subaltern literary discourse.



धर्मार्थः प्रभवति धर्मात्प्रभवते सुखम्।



धर्मेण लभते सर्वं धर्मसारमिदं जगत्॥
(वाल्मीकिरामायणम् 3.9.31)

Righteousness brings wealth. Righteousness brings happiness.

Righteousness brings everything. In fact, the essence of the world is righteousness (Vālmīkirāmāyaṇam 3.9.31)