



**SEMINAR PROCEEDINGS OF THE
TWO-DAY NATIONAL SEMINAR ON AGRICULTURE
AND LIVESTOCK FARMING IN NE INDIA: A
CLIMATE RESILIENT APPROACH**

MARCH 21-22, 2023



ORGANIZED BY ICFAI UNIVERSITY MIZORAM

**In Collaboration with State Institute of Rural Development
& Panchayati Raj, Government of Mizoram**

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SEMINAR PROCEEDINGS PREFACE

As climate change transforms global ecosystems, it has become a reality that now affects the lives of millions of people around the world. One of the most prominent areas in which climate change is experienced is in agriculture and livestock farming. However, the question of it having a positive or a negative impact remains and a conclusive answer to this question is likely to be a long time coming. Past research into the possible impact of climate change on agriculture and livestock farming has produced considerably varying results, with almost any set of consequences apparently possible. In the Northeast of India, the effect of climate change could be said to have mostly negative consequences with its impact ranging from reduction of crop yields, parasites, and disease to lowering livestock productivity and others. This in turn directly and indirectly threatens the full and effective availability of a range of basic human necessities, including the rights to life, water and sanitation, food, health, home and housing, self-determination, culture and development. It also threatens prospects for sustainable development and the rights of future generations. For these reasons, it has become critical to identify the distinct effects and adopt strategies and technologies to combat and adapt to these changes.

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Agriculture Scenario in Mizoram.
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3. Samuel Lalruatfela, Research Scholar, Dept. of Pol. Sc., MZU: *African Swine Fever and its Undesirable Consequence on Livestock Market in Aizawl.*
4. Esther Lalruatpuii, Research Scholar, Dept. of Library & Information Science, MZU: *Mizo Traditional Knowledge of Rain and its Impact on the Socio-Agricultural System of the Society: A Review.*
5. KC Malsawmtluangi, Assistant Professor & Head, Dept. of Commerce, MCC: *Youth Participation in Agripreneurship in Aizawl, Mizoram.*
6. Mary Lalruatsangi, Research Scholar, Dept. of Management, Pachhunga University College: *MZU: Small-Scale Poultry Farming: Problems and Prospects.*
7. Lalhruaitluangi Sailo, Research Scholar, Department of Zoology, Mizoram University, and Core Faculty (Vety), State Institute of Rural Development & Ranchayati Raj, Mizoram: *Molecular detection of Staphylococcus aureus enterotoxins from milk of dairy cattles in Aizawl, Mizoram.*
8. Jonathan Lalrinawma, Research Scholar, Dept. of Tourism and Hospitality Management, MZU: *Agro Tourism: A Way of Sustainable Development for Community.*
9. Dr. Baby Zaithanpuii, Assistant Professor, Dept. of Food Technology, MZU: *Entrepreneurship Opportunities in Agro-Food Processing.*

10. Dr. Zohlimpuia, Veterinary Officer, Dept. of AH & Vety, Govt. of Mizoram: *Livestock Economy.*
11. Dr. Benjamin Lalfakzuala, Assistant Professor & Head, Dept. of Pol. Sc, MCC: *Forest Rights: A lesson from the Kondh Tribes.*
12. Zairemmawii Ralte, Dept. of Tourism and Hospitality Management, Research Scholar, MZU: *The Potential of Agritourism Accommodation Sector in Tualte Village, Khawzawl District, Mizoram.*
13. LP Vanlalnghaka, Research Scholar, Dept. of Social Work, MZU: *Dynamics of Settled Cultivation in Mizoram.*
14. Mimi Zothanpari, Research Scholar, Dept. of Social Work, MZU: *Livestock Farming and Role of Cooperatives in Mizoram.*
15. Rohlupuii, MA (Economics), ICFAI University Mizoram: *Socio-Economic Conditions of Sericulture Farmers: A Case Study of Lunglei Circle.*
16. Zohmingmawii Sailo, Research Scholar, Dept. of Agricultural Extension, NU: SASRD, Medziphema, Nagaland: *Women Empowerment in Agriculture in Rural Mizoram.*

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Technical session 1:

Samuel Lalruatfela: He presented his research on the negative impact of the ASF outbreak on both meat vendors and pig breeders and the cause of death of pigs and what impact it had on the market and pig farmers.

Esther Lalruatpuii: She explored the significance of rain on the socio-cultural life of the Mizos, recounting their traditional knowledge of rain and its influence on their livelihood.

Technical Session 2:

K.C.Malsawmtluangi: She explained the factors that contributed to the rising participation of youth in agri-preneurship, mapping the entrepreneurial traits and personalities of young agripreneurs, and also highlights the major challenges faced in the initiatives they have adopted for sustainable development.

Mary Lalruatsangi: She explored a research gap in the domain of chicken marketing and its social and economic impact in Mizoram. She highlighted the significant marketing strategies in poultry, its ecological, economic and social impact. And identifying the problems and solutions of poultry farming.

Zairemmawii: She presented a paper mainly focusing on the potential of agritourism accommodation sector in Tualte Village which has great potential for agritourism, exploring the possibilities of developing it into a tourist destination.

Lalhruaitluangi Sailo: She explored the production of toxins in milk and its by-products.

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Technical Session 3

Dr. Baby Zaithanpuui highlighted the agro-preneurship potentials in all agro food items of Mizoram and identifies the potential of markets for the food processing industry like fruits and beverages.

Dr. Benjamin Lalfakzuala presented a study on the success of Forest Right Act among the Kondh community (from Odisha) which could provide lessons for the Mizo experience.

Jonathan Lalrinawma elaborated on the economic benefits and the prospect of agrotourism and how it can be a driving force to attain sustainable rural development in Mizoram.

Technical Session 4

LP Vanlalnghaka explained the prospects of settled cultivation for livelihood in Mizoram.

Mimi Zothanpari focused on dairy farming practiced in Mizoram and gave a comparative study of the livelihood and living conditions of dairy farmers in rural and urban areas, and highlighted the challenges faced by dairy farmers.

Rohlupuii delved into how sericulture farming is viable investment for sustainable socio-economic upliftment and recommended training programs that focus on technologies not adopted or partially adopted by farmers, which may result in improved profit and productivity.

Zohmingawii Sailo brought to light the significant impact of agriculture on the empowerment of women.

Conference proceedings outlined by Dr. C.Lalnunhlui, ICFAI University, Mizoram.

