

National Conference on “Recent Trends in Environmental Pollution and Health (NCRTEPH 2024)”

Organized by the Department of Zoology, Nagaland University, Lumami

Funded by: Anusandhan National Research Foundation, New Delhi

Venue: Conference Hall, Department of Zoology, Nagaland University, Lumami

Date: 28-29 November

INTRODUCTION

The Department of Zoology at Nagaland University successfully organized the two-day ‘**National Conference on Recent Trends in Environmental Pollution and Health (NCRTEPH 2024)**’ from November 28-29, 2024 at the I. Ihoshe Kinimi Hall, Lumami campus. Sponsored by the Department of Science and Technology (DST), Government of India with co-sponsorship from Nagaland University, the conference created an interdisciplinary platform to address pressing environmental and health challenges. The event attracted over 100 participants including researchers, faculty members, students and delegates from across the country. The comprehensive scientific program featured 2 keynote addresses, 7 invited lectures, 11 special invited presentations, along with 39 oral and 29 poster presentations covering diverse aspects of environmental pollution and its health impacts. The conference schedule included plenary sessions, parallel technical sessions, cultural programs, and concluded with a valedictory function, successfully facilitating knowledge exchange, research dissemination and professional networking among environmental health professionals and researchers. The event effectively highlighted current research trends while fostering collaborations to develop sustainable solutions to environmental health challenges.

Inaugural Session and Day One Proceedings (November 28, 2024)

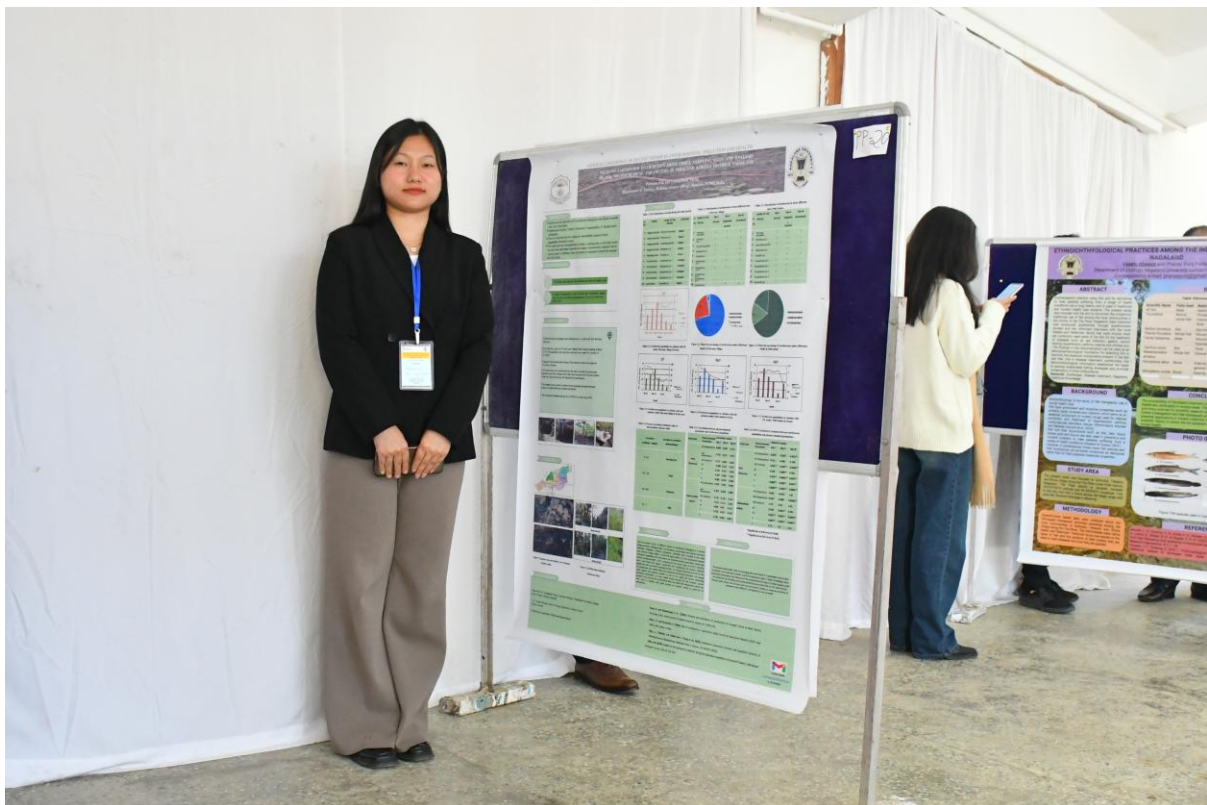
The conference began with a formal inaugural session, presided over by esteemed dignitaries. **Prof. Ranjit Kumar** (Convener) delivered the welcome address, outlining the objectives of the conference and extending a warm welcome to all attendees. **Prof. Jagadish K. Patnaik** (Vice-Chancellor, Nagaland University) emphasized the pivotal role of academia in addressing environmental pollution. **Prof. Bendang Ao** (Chairperson) delivered an insightful keynote address on “*Emerging trends in pollution-linked health risks*”, highlighting the need for

sustainable solutions. **Dr. Pranay P. Pankaj** (Organizing Secretary) provided an overview of the conference schedule and themes. The session concluded with the release of the conference abstract booklet and a group photograph.



The first technical session set an academic tone, with two significant presentations. **Dr. Pramod Kumar Pandey** presented a keynote on "*Climate Change Impacts on Fisheries and Aquaculture Systems*", addressing the ecological and food security challenges posed by changing climatic conditions. This was followed by a plenary lecture by **Dr. Mahesh Chandra Sahu** on "*Impact of ALAD Gene Polymorphism and Elevated Blood Lead Levels on DNA Integrity in Pregnant Women*," which explored the genetic susceptibility to environmental toxins.

Afternoon parallel sessions were held across two venues, I.Ihoshe Kinimi hall (A) and the Conference Hall oh the Department of Zoology (B). Technical Session 2 (Venue A), chaired by **Prof. Sangyu Yaden** and **Dr. Mayur Mausoom Phukan**, featured five oral presentations focusing on pesticide exposure and its ecological impacts, along with invited lectures by **Prof. Prabhakar Sharma** and **Dr. Simi Baruah**. Meanwhile, Technical Session 3 (Venue B), led by **Prof. Wangshimenla Janir** and **Dr. Latonglila Jamir**, included two oral presentations and fourteen poster exhibits, addressing the effects of environmental degradation on human health, soil, and water resources, with **Prof. Ashutosh Tripathi** and **Dr. Raju Ojah** as the invited lecturers.



The day concluded with a cultural program, hosted by Mr. Supare Zholia and Ms. Ongaroni Ngullie, where participants presented performances that highlighted their diverse traditions, fostering a spirit of camaraderie and unity among the attendees.

Day Two Proceedings (November 29, 2024)

The chairperson for the technical session 5 was **Prof. Chitta Ranjan Deb** and the co-chair was **Prof. Talijungla**. The session began with a keynote address by **Prof. Ram Kumar** on '*Micro plastic Contamination in Indian River Systems*', highlighting the ecological and public health risks associated with micro plastics. This was followed by invited lectures by **Prof. Somenath Bhattacharjee** and **Dr. Maibam Romeo Singh**, along with two oral presentations from researchers.

Technical Session 6, chaired by **Prof. Prabhakar Sharma** and **Dr. Tiasunep**, featured invited lectures by **Prof. Ambrish Singh** and **Dr. Rajesh Singh Pukhrambam**, alongside three oral presentations and fifteen poster displays offering diverse insights into environmental challenges.



The afternoon session, Technical Session 7 (Venue B), led by **Prof. Ashutosh Tripathi** and **Mr. Pukhrambam Rajesh Singh**, included an invited lecture by **Dr. Ajit Singh**, special presentations by **Dr. Lobeno Mozhui**, **Dr. Rajib Rudra Tariang**, and **Dr. Hirom Dlendro Singh**, along with ten oral presentations, which stimulated vibrant discussions.

The final technical session, Session 8, chaired by **Dr. Kuldeep Singh Panwar** and **Dr. Viheno Iralu**, featured lectures by **Prof. Pranab Ghosh** and **Dr. H.P. Nandurkar**, along with four oral presentations, contributing valuable research findings to the ongoing environmental and health discourse.

Valedictory Ceremony

The conference concluded with a **valedictory ceremony** at the **I. Ihoshe Kinimi Hall**, where outstanding oral and poster presenters were recognized for their contributions. Participants were commended for their valuable input, which reinforced the conference's success in fostering collaborative research and policy-oriented discussions on environmental health.



NCRTEPH 2024 served as a dynamic platform for knowledge exchange, bringing together the participants from diverse disciplines to address pressing environmental health issues. The well-

structured program, featuring keynote lectures, technical sessions, and cultural integration, ensured high engagement and meaningful discourse. The conference not only facilitated cutting-edge research dissemination but also strengthened academic and policy-level collaborations for sustainable environmental solutions establishing new networks for future collaborative research. The Department of Zoology at Nagaland University takes pride in having organized this impactful event and looks forward to building on its success in future editions.