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From the Desk of the Chief Editor

It gives me great pleasure to introduce the latest edition of our multidisciplinary journal, *The NEHU Journal*, Vol. XXI, No. 1 & 2, 2023 (2025) which continue to celebrate and disseminate the tradition of intellectual inquiry across diverse academic domains. In a world that is increasingly interconnected and technologically marching ahead, the value of interdisciplinary research has never been more evident. This journal stands as a testament to our collective commitment to fostering collaboration, innovation, and the relentless pursuit of knowledge. As scholars, educators, and innovators, we are entrusted with the responsibility of not only advancing knowledge within our respective fields but also bridging the gaps between them. The challenges we face today—climate change, public health crises, technological disruption, and socio-economic inequalities—demand collaborative and integrated solutions. They cannot be adequately addressed in disciplinary silos. This journal serves as a vibrant forum where ideas from science, technology, humanities, social sciences, and the arts intersect, challenge one another, and converge into meaningful dialogue.

This edition features a compelling collection of eight research papers that enrich our understanding of the world and demonstrate the power of convergent thinking.

I would like to commend the guest editors, Prof. Nirmalendu Saha, Department of Zoology, NEHU and Dr. S. Majaw, Department of Biotechnology and Bioinformatics, NEHU as well as our editorial team for their tireless efforts in maintaining the academic rigor and integrity of this publication. I also extend my heartfelt appreciation to the authors and reviewers whose expertise and commitment are the backbone of this journal. Their work inspires future research and contributes meaningfully to the broader academic discourse.

At the institutional level, we remain committed to creating an environment that encourages interdisciplinary dialogue and innovation. Our goal is to cultivate a research culture that creates cross-pollination of ideas and societal impact. Let us question assumptions, explore unfamiliar territories, and collaborate beyond conventional boundaries. In doing so, we not only enrich our academic pursuits but also fulfill our greater responsibility to society.

Prof. Fameline K. Marak

Chief Editor