

From the Desk of the Editor

It is our privilege to present this special issue of the Journal of Geointerface, featuring selected contributions from the National Conference on "Molecular and Geological Perspectives of Biodiversity," held on 17–18th October 2025. The conference brought together researchers, academicians, scientists, and students from diverse disciplines to discuss recent advances in biodiversity research and to promote interdisciplinary approaches for understanding and conserving biological diversity.

Biodiversity research has entered a transformative era, where molecular tools, genomics, bioinformatics, and geological investigations collectively provide deeper insights into evolutionary history, species diversity, ecosystem resilience, and conservation strategies. Integrating these complementary perspectives is essential for addressing contemporary environmental challenges, including habitat degradation, climate change, and biodiversity loss.

The articles included in this special issue reflect the scientific diversity and quality of the conference. They encompass original research, innovative methodologies, and comprehensive reviews that advance our understanding of biodiversity from both molecular and geological perspectives. We are confident that these contributions will serve as valuable resources for researchers, educators, and policymakers, while encouraging future interdisciplinary collaborations.

On behalf of the Organizing Committee, I extend my sincere appreciation to all authors for their high-quality submissions, the reviewers for their rigorous and constructive evaluations, the keynote and invited speakers for their insightful presentations, and the Editorial Board of the Journal of Geointerface, CEHESH TRUST OF INDIA for their support in bringing this special issue to publication. I also acknowledge the dedicated efforts of the organizing committee, volunteers, and all participants whose enthusiasm and commitment contributed to the success of the conference.

We hope this special issue will stimulate further scientific inquiry, foster collaborative research, and contribute meaningfully to the conservation and sustainable management of biodiversity. We thank our readers for their continued support and trust in the Journal of Geointerface and hope they find the articles in this issue informative and inspiring.

Dr. Alfa S.Mohanty

Organizing Secretary cum Editor,

National Conference on "Molecular and Geological Perspectives of Biodiversity"

17–18 October 2025