

Preface

It is our great pleasure to warmly welcome all participants to the 2026 12th International Conference on Environment and Renewable Energy (ICERE 2026), held from February 28 to March 2, 2026, in Nha Trang, Vietnam. This conference has become a vital platform for researchers and practitioners across diverse scientific fields to exchange ideas, present cutting-edge advancements, and explore emerging trends in the dynamic field of Environment and Renewable Energy.

We were truly honored to feature an exceptional lineup of distinguished speakers, including four keynote addresses and thirteen invited presentations. We extend our sincere gratitude to: Prof. Puthenkalam John Joseph, Sophia University, Japan; Prof. Ildoo-Chung, Pusan National University, Korea; Prof. Patrick Townsend Valencia, Escuela Superior Politécnica del Litoral, Ecuador; Prof. Irene M. C. LO, Hong Kong University of Science and Technology, China; Prof. Robert Dylewski, University of Zielona Góra, Poland; Prof. Florin Bode, Technical University of Cluj-Napoca, Romania; Prof. Doan Pham Minh, Ecole Nationale Supérieure des Mines d'Albi, France; Assoc. Prof. Dr. Tu Le Manh, Phenikaa University, Vietnam; Assoc. Prof. Nhu-Tung Nguyen, Vietnam National University, Hanoi, Vietnam; Dr. Nguyen Doan Quoc Anh, Ton Duc Thang University, Vietnam; Dr. Jidsucha Darayen, Faculty of Engineering, Thammasat University, Thailand; Dr. Nguyen X. Thanh, Vietnamese-German University, Vietnam; Dr. Aineias Karkasinas, University of Strathclyde, UK; Dr. Sanat Tolendiuly, Institute of Combustion Problems, Kazakhstan; Prof. Banjie Sarmiento, Mapua Malayan Colleges Laguna, Philippines; Dr. Ngo Phuong Linh, Nha Trang University, Vietnam; Dr. Van-Quyet Nguyen, Nha Trang University, Vietnam. Their insightful and inspiring contributions significantly enriched the intellectual discourse and set a high standard for the conference proceedings.

All submissions underwent a rigorous peer-review process. The accepted papers are now compiled in this proceedings volume, organized into eight focused thematic chapters: Ecosystem Assessment and Sustainable Resource Management; Waste Valorization and Green Biorefinery; Assessment, Performance, and Trends of Renewable Energy Systems; Thermal Performance and Sustainable Applications of Green Building Materials; Performance, Efficiency, and Governance in the Built Environment; Environmental Monitoring, Pollution Remediation, and Ecological Restoration; Education, Green Ecology, and Implementation for Sustainable Development; Renewable Energy Transitions: Policy, Markets, and Corporate Practices.

We hope this collection serves as a valuable reference for the global research community, fostering continued innovation and development in the field of Environment and Renewable Energy.

Finally, we extend our sincere gratitude to all authors, program committee members, and the organizing team for their invaluable contributions to the success of ICERE 2026.

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