

Preface

It is with immense pleasure and scholarly honor that we present the Proceedings of the 2nd International Eco-Harmony Summit (IES) 2025, which was successfully hosted in Pekanbaru, Indonesia. The summit served as a crucial academic nexus, convening a diverse and global assembly of researchers, practitioners, industry leaders, and policy stakeholders to critically discuss and advance the theme, "Green Transitions and Innovations for a Sustainable Tomorrow."

This year, IES 2025 has achieved a significant expansion in its international outreach, reflecting the growing global imperative for sustainable solutions. We are delighted to report a substantial increase in international attendee participation compared to IES 2024, with scholars and practitioners joining us from twelve distinct nations: France, Indonesia, Japan, Uganda, Egypt, Pakistan, Afghanistan, Sudan, South Sudan, Türkiye, Nigeria, and Madagascar. This expanded geographical representation underscores the Summit's status as a truly global forum for interdisciplinary engagement on pressing environmental and sustainability challenges.

The articles included in this volume have been subjected to a rigorous, double-blind peer-review process, ensuring the highest academic standards. The accepted manuscripts collectively reflect the impressive breadth and intellectual rigor of the conference, addressing critical issues across ten primary areas of inquiry, including sustainable agriculture, circular economy, climate change strategies, green finance and management, digital technologies, and inclusive community empowerment.

We are confident that the scientific contributions encapsulated within these proceedings will not only enrich current global discussions but also serve as a foundational reference and inspire future research collaborations toward achieving a climate-resilient and sustainable world. On behalf of the Organizing and Scientific Committees, we extend our most sincere appreciation to all keynote speakers, invited speakers, presenters, reviewers, and participants. Your active engagement and unwavering commitment were instrumental in defining the intellectual success and high academic standard of IES 2025. We are also profoundly grateful to EDP Publisher for agreeing to publish the selected manuscripts from these proceedings in the E3S Web of Conference. Furthermore, we acknowledge the consistent encouragement and enabling policies from the Ministry of Higher Education, Science and Technology of Indonesia, which continue to strengthen the culture of international academic engagement.

Our deepest gratitude is also extended to all institutional partners and financial sponsors, as well as to the dedicated editorial and technical teams. Their meticulous work ensured that every stage—from the initial manuscript submission and rigorous review to the final publication of this volume—was completed with dedication and adherence to the highest academic standards of scholarship.

We earnestly hope that these proceedings will serve as a valuable scientific reference, a significant source of inspiration, and a powerful catalyst for continued collaborative efforts in the global pursuit of green transitions and sustainable development. We sincerely look forward to welcoming you back to the International Eco-Harmony Summit (IES) 2026.

Prof. Muhammad Aziz

On behalf of the Organizing Committee and Editorial Team
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