

INTRODUCTION



It is our great pleasure to present this special issue of The University of Danang - Journal of Science and Technology (UD-JST), featuring a curated selection of papers from the International Conference on Technology Innovation for Sustainable Development (TI4SD 2025). TI4SD 2025 was held on July 4–5, 2025, at The University of Danang - University of Science and Technology, Da Nang, Vietnam.

The conference convened researchers, practitioners, and industry leaders across disciplines to exchange knowledge and showcase innovations that advance sustainable development. Its program, comprising keynote addresses, oral and poster sessions, and focused discussions, highlighted emerging insights in environmental engineering, biotechnology, construction and transportation systems, information technology, and renewable energy, among other fields.

The articles in this issue were selected from works presented at TI4SD 2025 and subsequently underwent UD-JST's standard peer-review process. They exemplify high-quality research and reflect the collective commitment of the international community to tackling pressing global challenges through technological innovation and evidence-based practice. Together, these contributions offer diverse methodological perspectives and practical implications that we hope will benefit both scholarship and application.

We extend our sincere thanks to the authors for their valuable contributions and responsiveness throughout review; to the reviewers for their rigorous and constructive assessments; and to the UD-JST Editorial Board for their steadfast support. We also gratefully acknowledge the efforts of the conference organizing committee, session chairs, and supporting staff, whose dedication ensured the success of TI4SD 2025.

We hope this special issue will serve as a useful resource for researchers, professionals, and policymakers, and that it will inspire further interdisciplinary collaboration toward sustainable, innovative solutions for the future.

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