



Innovations for a Sustainable Future: Advancing Green Technologies and Multi-disciplinary Research Trends

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Abstract

This editorial introduced Volume 5, Special Issue 2 (2026) of the OCEM Journal of Management, Technology and Social Sciences, highlighting selected peer-reviewed papers from the Second International Conference on “Innovation for a Sustainable Future: Advancing Green Technologies and Multidisciplinary Research Trends,” organised by the Oxford College of Engineering and Management (OCEM), Nepal. The conference served as an international platform for researchers, academicians, professionals, policymakers, and industry experts to exchange innovative ideas and multidisciplinary research addressing contemporary challenges in sustainable development. The two-day event brought together participants from six countries and contained eight keynote lectures, two panel discussions, and six parallel technical sessions across diverse thematic areas.

The conference promoted scholarly dialogue on green technologies, digital transformation, engineering, management, health sciences, environmental sustainability, education, and the social sciences while strengthening international collaboration through institutional partnerships and research networking. Following a rigorous editorial screening and double-blind peer-review process, fifteen selected high-quality manuscripts were accepted for publication in this special issue. The contributions presented in this volume provide theoretical insights, empirical evidence, and practical recommendations that advance multidisciplinary scholarship and support the achievement of the United Nations Sustainable Development Goals (SDGs). This special issue confirms the journal’s commitment to publishing high quality, ethical, and open-access research that promotes innovation, international collaboration, and sustainable societal development.

Keywords: *editorial, green technologies, international conference, multidisciplinary research, open access, peer review, special issue, sustainable development*



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Introduction

The conference successfully brought together scholars, researchers, practitioners, and policymakers from six countries, creating a vibrant platform for international academic exchange. The two-day event featured eight keynote lectures delivered by distinguished international and national scholars, two high-level panel discussions, and six parallel technical sessions conducted across three thematic tracks. Seventy research papers were presented, reflecting emerging developments in management, engineering, science and technology, health sciences, educational, and the social sciences. Following a rigorous editorial screening and double-blind peer-review process, fifteen high-quality papers were selected for publication in this Special Issue of the OCEM Journal of Management, Technology and Social Sciences, volume 5 and issue 2. In addition to scholarly presentations, the conference strengthened international collaboration through the signing of three Memoranda of Understanding (MoUs) with partner institutions, paving the way for joint research, faculty exchange, and future academic cooperation.

Objectives

The primary objective of the Second OCEM International Conference was to create an international forum, where researchers, academicians, scholars, entrepreneurs, industry experts, and policymakers can exchange innovative ideas and present multidisciplinary research addressing sustainable development challenges. The conference persuaded to strengthen collaboration across diverse disciplines while promoting green technologies, responsible innovation, entrepreneurship, digital transformation, and evidence-based solutions that contribute to environmental sustainability, economic resilience, and social well-being.

Conference Highlights

The Second International Conference was designed to facilitate high-level academic interaction through keynote lectures delivered by internationally recognised scholars, technical paper presentations, panel discussions, poster sessions,

workshops, and networking opportunities. The conference covered a broad range of themes including renewable energy, artificial intelligence, sustainable engineering, climate change adaptation, environmental management, circular economy, agriculture, public health, education, management, information technology, governance, finance, entrepreneurship, and the social sciences.

The conference encouraged multidisciplinary dialogue by bringing together experts from different sectors to identify innovative approaches for solving complex societal problems. Such interactions were expected to strengthen research partnerships, encourage collaborative projects, and promote the translation of scientific knowledge into practical applications.

Future Implications

The significance of this conference extended beyond the presentation of research findings. It provided a foundation for developing long-term national and international collaborations, interdisciplinary research networks, and innovative projects that addressed global sustainability challenges. The ideas generated during the conference are expected to contribute to future research agenda, institutional partnerships, public policies, and technological innovations aligned with the United Nations Sustainable Development Goals (SDGs).

Furthermore, the conference reinforces OCEM's commitment to fostering a research culture that encourages critical thinking, innovation, entrepreneurship, and lifelong learning among faculty members, students, and researchers.

Enhancing Journal Quality

The OCEM Journal of Management, Technology and Social Sciences remains committed to maintaining the highest standards of scholarly publishing through rigorous peer review, editorial integrity, and ethical publication practices. Selected papers presented during the conference will undergo a comprehensive double-blind peer-review process before being considered for publication in forthcoming issues of the journal. This process ensures that published articles contribute meaningful scientific evidence while



maintaining international academic standards.

As multidisciplinary research continues to evolve, the journal is dedicated to publishing high-quality original research, systematic reviews, theoretical papers, case studies, and policy analyses that address emerging challenges across management, technology, engineering, health sciences, environmental sciences, educational, and the social sciences.

Commitment to Open Access and Scholarly Excellence

The journal continues to embrace an open-access publishing model to maximise the accessibility, visibility, and impact of scientific knowledge. Open-access publishing enables researchers, practitioners, policymakers, and students worldwide to access high-quality research without financial barriers, thereby promoting equitable knowledge dissemination and accelerating scientific progress.

Through rigorous editorial oversight and international peer review, the journal strives to maintain academic excellence while encouraging interdisciplinary scholarship that contributes to sustainable development and societal transformation.

Our Commitment and Expectations

The Editorial Board remains committed to strengthening the journal's international reputation by continuously improving editorial processes, publication quality, reviewer engagement, and research integrity. We persuade to promote innovative research that addresses real-world challenges and encourages collaboration among scholars from diverse disciplines and geographical regions. As sustainability increasingly becomes a global priority, we encourage authors to undertake interdisciplinary research that integrates scientific innovation with practical implementation and policy relevance.

Gratitude and Acknowledgments

On behalf of the Editorial Board and the Organising Committee, I extend my sincere appreciation to our distinguished keynote speakers, invited experts, reviewers, scientific committee members,

session chairs, organising committee, institutional partners, sponsors, volunteers, authors, presenters, and participants. Their dedication, expertise, and collaborative spirit have been instrumental in making the Second OCEM International Conference a meaningful academic event.

I also express my heartfelt gratitude to Oxford College of Engineering and Management for its unwavering support in promoting research excellence and international academic collaboration. The collective efforts of all contributors continue to strengthen the journal's mission of advancing multidisciplinary research for sustainable development.

Conclusion

The publication of Volume 5, Special Issue 2 of the OCEM Journal of Management, Technology and Social Sciences represents a significant milestone in OCEM's continuing efforts to promote multidisciplinary research, scholarly excellence, and international academic collaboration. The Second OCEM International Conference successfully brought together researchers, academicians, industry professionals, and policymakers from six countries through eight keynote lectures, two panel discussions, and six parallel technical sessions, creating a vibrant platform for the exchange of innovative ideas and research addressing sustainable development. The conference also strengthened global academic partnerships through the signing of three Memoranda of Understanding (MoUs), laying the foundation for future collaborative research, faculty exchange, and institutional cooperation.

The articles published in this special issue are the outcome of a rigorous editorial screening and double-blind peer-review process and represent high-quality contributions across management, technology, engineering, health sciences, environmental studies, education, and the social sciences. Collectively, these studies advance scientific knowledge while offering practical insights for addressing contemporary environmental, technological, economical, and societal challenges in support of the United Nations Sustainable Development Goals (SDGs).



As the OCEM Journal of Management, Technology and Social Sciences continues to strengthen its national and international standing, the Editorial Board remains committed to maintaining the highest standards of publication ethics, editorial quality, research integrity, and open-access dissemination. We believe that the knowledge presented in this special issue will inspire future interdisciplinary collaborations, stimulate innovative research, and contribute to evidence-based policy and practice. We warmly invite scholars, practitioners, and policymakers worldwide to engage with the research presented in this volume and to contribute to future issues of the journal, thereby advancing our shared vision of building a more sustainable, innovative, and inclusive global society.

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