

About this Special Issue

This special issue of the Mindanao Journal of Science and Technology (MJST) is the result of a collaborative effort involving the authors, the University of Science and Technology of Southern Philippines (USTP), through its International Affairs Office (IAO), and Universitas Brawijaya, Indonesia. It features carefully selected papers in the fields of science, technology, and engineering, presented at the International Conference on Innovation and Entrepreneurship in Computing, Engineering, and Science Education (ATU-Net InvENT) 2025, themed "*Empowering Education for Sustainable Innovation and Entrepreneurship*," held on July 23–24, 2025, at the Limketkai Luxe Hotel, Cagayan de Oro City, Philippines.

From the 55 papers submitted to MJST following the conference, only 12 successfully passed the rigorous double-blind peer-review and editorial processes, earning their place in this special issue.

The studies included in this issue, contributed by researchers from local and international academic institutions and relevant organizations, highlight the depth and ingenuity of research across diverse disciplines. These works delve into advancements in sustainable materials science, such as the chemical, morphological, and mechanical characterization of mercerized bamboo, pineapple, and coconut fibers for biocomposite and geotextile applications; environmental and resource management through low-cost filtration and water distribution systems; machine learning and computer vision applications for food waste management and marine data visualization; and sustainability research addressing renewable energy investment, urban mobility, and air quality, among many others. Collectively, these studies demonstrate a steadfast commitment to tackling both global and local challenges through research and innovation.

On behalf of the MJST Editorial Board and the Publisher (USTP), I wish to recognize the Director for the Journal Publication, Dr. Angelo Mark P. Walag, and the Associate Editors of MJST, Engr. Christine Marie J. Madrid, Mr. Arnel L. Edo, Engr. Kristine Mae P. Dunque, Mr. Nesteve John B. Agosto, Dr. Hearty N. Maglanque, as well as the Technical Staff, Ms. Luvette Jane T. Alo and Ms. Tiffany Diane Abrio, for their meticulous efforts in reviewing the papers. I also extend my gratitude to the organizers of ATU-Net InvENT 2025, led by Conference Chair of InvENT 2025 and Director for Global Engagement and Mobility, USTP System, Dr. Ramir Philip Jones V. Sonsona, for forging this partnership with MJST, the authors for selecting MJST as the publication venue for their work, and the esteemed reviewers for dedicating their time and expertise to ensuring the quality of the published papers.

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