Special Issue

ARTIFICIAL INTELLIGENCE (AI) DRIVEN BUSINESS SUSTAINABILITY: INNOVATIONS AND OPPORTUNITIES

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In cooperation with the Zhejiang Shuren University (China), Politehnica University of Timisoara (Romania), and Nisantasi University (Turkey)

Submission Deadline
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Background

The digital revolution has had a profound impact on the global eco-system, presenting a wide range of value-added opportunities for global businesses. The overarching impact of artificial intelligence has greatly expanded the potential for innovation and sustainable development in recent years. Having a multifunctional characteristic, it has raised the production spectrum of worldwide business. Being a vital digital tool, it has drastically increased operational efficiency, substantially ensuring natural sustainability (Tsolakis et al., 2022). As AI sustainability driven by innovation is perceived to be consistent with the needs of potential adopters, business success significantly depends on the value AI provides to its stakeholders (Agarwal et al., 2021).

All businesses hold the opportunity for AI-driven sustainability and innovation. Thus, in today's world, AI optimizes the firms' resources (e.g., energy, cost, finance) (Chaudhuri et al., 2022) by significantly managing energy and wastage inefficiencies. As modern cities going radical changes demands a sustainable and cleaner environment for delivering intelligent services to their residents (Chatterjee et al., 2021), the AI capability facilitating easy access for vulnerable groups encourages the implementation of new initiatives that may address the concern of urban mobility, global industries, waste management, cleaner energy production, easy accessibility, renewable consumption, housing, and so on (Badidi, 2022).

Therefore, aiming at the exponential increase in AI distributed opportunities, this special issue manifests our understanding of the latest innovation and opportunities for AI-driven business sustainability. This initiative put research opportunities in front of worldwide businesses, researchers, scholars, and experts, suggesting them for theoretical, empirical, and practical researchers. As extensive history has been present on AI deployment, today, the notion of AI-driven sustainability, innovation, and research and development has gained the researchers' attention.

Potential article topics

This special issue: "AI-Driven Business Sustainability: Innovations and Opportunities" presents cutting-edge knowledge on AI-driven sustainability and innovation opportunities. As AI technology has a wide persuasiveness worldwide, we cordially invite marginalized groups of researchers in academia, R&D, and innovation to contribute to the following themes. Still, it is not limited to these topics only:

- The Role of AI Technology in Sustainable Supply Chain Management
- The Foresight of AI-based Energy Efficiency and Renewable Energy Solutions
- The Impact of AI-driven Waste Reduction on Circular Economy Practices
- AI Strategies and Approaches to Sustainable Financing
- New Model of AI-Powered Smart Cities and Sustainable Urbanization
- Towards AI Application, Corporate Social Responsibility (CSR), and Stakeholder Engagement
- The Evolution of AI Natural Resource Model and Environmental Sustainability
- Embodied AI-driven Climate Change and Mitigation

Submission procedure

The special issue is expected for publication in the March of 2024. Articles to be considered for this special issue should be submitted by email to Guest Editors and the Journal editorial e-mail foresight-journal@hse.ru

Any questions on the submission and the special issues may also be directed to muddassar@zjsru.edu.cn; muddassar.sarfraz@gmail.com.

Guest Editors

Dr. Muddassar Sarfraz, School of Management, Zhejiang Shuren University, PR China
muddassar@zjsru.edu.cn; muddassar.sarfraz@gmail.com

Professor Larisa Ivascu, Faculty of Management in Production and Transportation, Politehnica University of Timisoara, Romania
larisa.ivascu@upt.ro

Professor Ilknur Ozturk, Faculty of Economics, Administrative and Social Sciences, Nisantasi University, Istanbul, Turkey
ilknur.ozturk@nisantasi.edu.tr

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