

Special Issue

Riding the Waves of Artificial Intelligence in Achieving Sustainable Development Goals: Challenges and Opportunities of AI and Big Data Technologies

Message from the Guest Editors

AI and BD capabilities can enable better data collection, analysis, and decision-making to assist in achieving the SDGs (Gandomi & Haider, 2015). As a result, AI and BD capabilities are already being used to achieve SDGs in various ways. One of the main challenges is the potential for biases in AI algorithms, which could perpetuate existing inequalities and discrimination. There are also concerns about the misuse of AI and BD technologies, such as the use of facial recognition technology for surveillance purposes. Additionally, there is a risk that AI and BD technologies could exacerbate job displacement and contribute to economic inequality. This Special Issue aims to focus on the opportunities and challenges in AI and BD capabilities in achieving SDGs. A broad spectrum of topics related to this theme are particularly welcomed. Policymakers, researchers, and practitioners must work together to develop appropriate governance frameworks and ensure that the benefits of these technologies are shared equitably in order to provide insights and tools which can improve decision-making, enhance efficiency, and promote sustainability in achieving SDGs.

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