Special Issue

Between Bits and Biodiversity: The AI Dilemma in the Era of Sustainability

Message from the Guest Editors

The rapid rise of artificial intelligence (AI) and its growing presence in various sectors. Notwithstanding the potential of AI to significantly accelerate progress towards the UN Sustainable Development Goals (SDGs), it also has significant environmental implications that must not be overlooked. The transition to a world driven by AI solutions must be accompanied by careful consideration of how to reconcile technological progress with the protection of the planet. This Special Issue focuses on the following topics:

- Environmental governance models for AI;
- Sustainable design practises in AI;
- Technological practises that ensure the development of unbiased algorithms;
- Critical reflections on digital culture and the systemic impact of AI.

Our objective is to inspire practical solutions, informed policies, and new lines of research that allow us to build a world where AI and sustainability advance in harmony, facing the complexity of 21st century challenges and promoting the balance between machine "intelligence" and the resilience of our global ecosystem.

Guest Editors

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Prof. Dr. Fernando Moreira

Dr. Fátima Leal

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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