

Special Issue

Circular Economy and Artificial Intelligence

Message from the Guest Editors

In order to guide companies and academia toward the principles of the circular economy, this Special Issue aims to be a leading peer-reviewed platform and survey of the state-of-the-art in order to grow and promote a systematic approach to the circular economy as the only path to be competitive. However, to implement this goal, it is necessary to change the traditional approach to a new environmentally-friendly reduce, reuse, and recycle (RRR) economy enabled by artificial intelligence technologies. The Special Issue covers research on system and process analysis, modelling, prediction, and optimization to improve RRR. In addition, papers are welcome on other related topics, such as renewable energy, electricity supply and demand, bioenergy, robots, sensors, machine learning, data analytics, materials passports, life cycle assessment, life cycle costing, decarbonization, ESG (environmental, social, and governance factors), vehicles, energy storage, energy conservation, and energy in buildings (industrial and residential) within the context of broader automation control and energy efficiency.

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