

## ESJ Special Edition

### Title:

***Unleashing the potential of digitalization for the circular economy***

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### Overview of Special Edition

Digital technologies and the circular economy have become a pivotal component of our contemporary industrial landscape, swiftly transforming business models and redefining sustainable practices globally. Through the use of digital technologies (e.g., information and communication technology, machine learning, the Internet of Things, blockchain, artificial intelligence, cloud computing), circular businesses can facilitate the monitoring, optimization, and management of resources throughout the entire product lifecycle. These tools enable companies to track materials and products in real time, ensuring transparency and traceability from production to end-of-life. Despite the benefits of digital technologies in circular economies, the intersection between them remains a relatively unexplored area. This Special Edition is dedicated to examining how digitalization empowers the circular economy, highlighting its potential to inspire innovative business models from a circular perspective. By investigating this intersection, we aim to emphasize the transformative role of digital tools in driving a shift towards a more circular economic paradigm.

**Papers in the following academic disciplines are welcome:**

Circular economy

Digital innovation

Sustainability management

Information systems

Industrial ecology

Sustainable business models

### Submissions:

Submit your paper as a Microsoft Word document to [contact@eujournal.org](mailto:contact@eujournal.org)

### Time frame:

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### Types of Manuscripts Accepted for review:

Original research  
Literature reviews  
Hypotheses  
Reviews of conceptual framework  
Simulations and algorithms  
Summarizations of prior work  
Work in Progress and Preliminary Results