

Call for papers for a Special Issue of the TIM Review**Digital Innovations in the Bioeconomy****Guest Editor**

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Overview

Climate change caused by increased carbon emissions into the Earth's atmosphere is leading to huge challenges for several areas of everyday life. Building a climate-smart bioeconomy in response to this is one central area to which a considerable amount of research effort has been dedicated, in order to develop sustainable solutions and innovations to minimize the impacts of food production on the environment, especially in terms of carbon emissions. Along with new technologies, systematic monitoring, analysis, and simulation of climate change impacts, the need for a deeper understanding of sustainable processes to utilize natural resources plays a central role in finding answers to the huge challenges.

This call for papers aims to highlight the current research, innovations, trends, and future directions of the bioeconomy through the lens of digitalization and data utilization. We aim to highlight the significant improvements that digitalization can bring to the bioeconomy field. The special issue will be built around themes involving digitalization in the development of bioeconomy research, innovations, and business, particularly in the areas of climate-smart food production and management of carbon in bioeconomy processes.

Research topics

This call for papers invites scholars and practitioners to address recent and new digital innovations in the bioeconomy field. Articles are expected to build on novel approaches and technological innovations that offer or have the potential to provide solutions to complex bioeconomy problems.

Research topics may include, but are not limited to:

- Data collection, analysis, and utilization in the smart bioeconomy;
- Artificial intelligence, IoT, open data, open interfaces, and open technologies in the utilization of bioeconomy data;

- Digital solutions for managing and controlling carbon in bioeconomy processes;
- Measurements and data utilization that involves intensifying carbon sequestration;
- Digitalization in promoting circular economy in food production.

Key dates

- Abstracts submissions – October 15 , 2020
- Acceptance decision and feedback – November 1 15, 2020
- Submission of final manuscripts – December 15 , 2020
- Feedback based on peer-review process – January 15, 2021
- Authors' final submissions of revised manuscripts – February 1, 2021

Submission Guidelines

- Manuscripts should be submitted by e-mail to the Guest editor.
- Manuscripts should follow the TIM Review Author guidelines: <https://timreview.ca/authorguidelines>.

About the TIM Review

The *Technology Innovation Management Review* (www.timreview.ca) offers a platform for research on emerging trends relevant to launching and growing new technology businesses. The TIM Review focuses on the theories, strategies, and tools that help small and large technology companies succeed. The TIM Review brings together diverse viewpoints – from academics, entrepreneurs, companies of all sizes, the public sector, the community sector, and others – to bridge the gap between theory and practice, with a particular focus on the topics of technology entrepreneurship and innovation management, in small and large companies