Special Issue

Environmental, Economic and Social Assessment of Bioenergy Production and Utilization in the Agricultural Sector

Message from the Guest Editors

In the face of global challenges such as climate change, the need to decarbonize the economy, and the pursuit of energy self-sufficiency, bioenergy is gaining importance as a key component of the energy transition. The role of the agricultural sector—possessing significant raw material potential for renewable energy production from biomass—is becoming increasingly prominent. Bioenergy is not only a crucial link in the energy transition, but also a field where environmental, social, and economic dimensions converge, making it an integral element of sustainable development policy.

The aim of this Special Issue is to explore the environmental, economic, and social impacts of bioenergy production and utilization within agricultural systems. We welcome theoretical contributions and empirical studies that examine the costs and benefits of bioenergy development, the drivers influencing its growth in the context of sustainable development, policy evaluations, and synergies between bioenergy, agriculture, and sustainability.

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Message from the Editor-in-Chief

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