

Special Issue

Advanced Technologies to Enhance the Production and Application of Microalgae

Message from the Guest Editor

Microalgae have gained significant attention due to their potential as a sustainable source of food, fuel, and other valuable compounds. To fully realize this potential, advanced technologies must be developed to optimize microalgae production and application. This Special Issue will focus on the latest advances in microalgae cultivation, harvesting, processing, and biorefinery, as well as the development of novel applications in various fields. This issue will focus on the development and implementation of novel technologies, including but not limited to photobioreactors and biorefinery processes, to improve the efficiency and scalability of microalgae-based industries. The scope of this Special Issue including strain selection and optimization, cultivation systems, downstream processing, and product development. We encourage submissions of original research articles, reviews, and perspectives. The purpose of this Special Issue is to provide a comprehensive overview of the current state of microalgae-based industries, highlight the most promising research and development efforts, and identify future directions for the field.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

AgriEngineering (ISSN 2624-7402) is an international open access, open-source, and cross-disciplinary scientific journal on the engineering science of agricultural and horticultural production. Our aim is to encourage scientists to publish their experimental and theoretical research, along with the full set of schematics, source-code, and mechanical design models leading to accelerated and rapid dissemination of leading-edge technologies emerging in agricultural, environmental, and agronomic engineering. *AgriEngineering* publishes articles, technical notes, reviews, commentaries, and case/field reports, as well as Special Issues on particular subjects.

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