



New Trends on Algal Biotechnology for a Circular Economy

Guest Editor:

Dr. Giorgos Markou

Institute of Technology of
Agricultural Products, Hellenic
Agricultural Organization –
Demeter (ELGO-Demeter), Leof.
SofokliVenizelou 1, 141 23
Lykovrysi, Greece

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editor

Algae have become important players in the bio-based industry as a result of their huge potential to produce many different bioproducts, such as food, feed and nutraceuticals, pharmaceuticals and cosmetics, biofuels and biochemicals. Economic growth has put pressure on natural resources, necessitating the development of production schemes that follow the paradigm of Circular Economy and hence lead to the recovery and reuse of resources on the entire production chain. Algal biotechnology shows that it is possible to couple the production of bioproducts with the utilization of resources contained in various waste-streams.

This Special Issue aims to gather original research works on recent advances in algal biotechnology focusing on the production of bioproducts by utilizing various waste-streams in the Circular Economy framework, i.e., works dealing with cultivation, safety, feasibility and sustainability aspects of the utilization of waste-streams as nutrient sources for growing algal biomass and the production of bio-based goods.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)