

Special Issue

Biotechnological Strategies for Agro-Industrial Food Waste Management

Message from the Guest Editor

Agro-industrial waste can be considered as the most abundant renewable resources on earth, expected to reach 3.40 billion metric tons by 2050. This waste, if disposed of untreated, can act as pollutants to the environment, affecting both humans and other living organisms. Their composition makes this waste suitable for their reuse to obtain added-value products, according to the Sustainable Development Goals (SDGs) of the United Nations, minimizing environmental problems and helping the economy and society. Currently agro-industrial waste is applied through biotechnological techniques as promising substrates for improving their stability and applicability in several sectors. The aim of this Special Issue is to consider original studies on agro-industrial waste fermentation techniques through controlled fermentation processes carried out by selected microorganisms, for obtaining value-added products such as biofertilizers, enzymes, biopolymers, bioplastic, bioactive molecules, platform chemicals, food and feed supplements, single cell proteins, single cell oils, biofuel, bioenergy, and microbial pigments.

Guest Editor

Dr. Alessia Tropea

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy

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Fermentation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fermentation@mdpi.com

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Editor-in-Chief

Prof. Dr. Christian Kennes
Department of Chemical Engineering, Faculty of Sciences, University of
La Coruña, La Coruña, Spain

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