

Special Issue

Marine Biotechnology: Applications and Challenges

Message from the Guest Editor

Dear colleagues, This Special Issue of *Energies* invites papers related to the biosynthetic capabilities, the bioproduction capacity, and the biotechnological applications of aquatic organisms. Studied organisms may originate from all types of marine ecosystems, such as coastal and deep sea, oligotrophic and eutrophic environments, underwater hydrothermal vents and volcanic systems, coral reefs, marine caves, etc. We invite article submissions that are related to (i) the application of -omics technologies (e.g., genomics, metagenomics, metabolomics) for the discovery of novel enzymes in energy, food and health, (ii) the study and potential beneficial functionalities of various marine organisms, such as bacteria, archaea, microalgae, fungi, sponges, and corals, and (iii) future challenges in marine biotechnology. We particularly encourage submissions pertaining to the exploration of new extreme sites characterized by key bioenergy processes, such as microbial methanogenesis, biohydrogen or ethanol production, and to the study of various marine organisms, such as bacteria, archaea, and microalgae for the generation of bio-energy.

Guest Editor

Dr. Paraskevi N. Polymenakou

Institute of Marine Biology, Biotechnology and Aquaculture, Hellenic Centre for Marine Research, 71500 Heraklion, Crete, Greece

Deadline for manuscript submissions

closed (19 March 2021)



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

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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