

Special Issue

Biological Aspects and Biotechnological Potential of Microalgae

Message from the Guest Editor

Recently, algae have drawn significant attention as a valuable source of biomass that is suitable for many industrial applications. The rising anthropogenic CO₂ levels and ongoing energy crisis have set our priorities high in the search for alternative energy sources, such as third generation biofuel. Furthermore, the high demand for alternative sources of nutrient additives and valuable nutraceutical compounds, encourages research and development activities in the field of suitable novel algal strains, as well as technological production improvements. Recent advances in biochemistry, molecular biology, recombinant biotechnology, remote- and nano-sensing and related cutting-edge technological solutions have led to new horizons and opportunities for novel industrial applications of microalgae.

Authors are encouraged to submit original research articles that cover the areas of algal physiology, ecotoxicology, growth kinetic studies and methodological improvements that contribute to our understanding of algae metabolic pathways and the possibilities of qualitative and quantitative productivity enhancement.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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