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Phycology

A close-up photograph of green seaweed or algae, showing the intricate, overlapping, and textured surfaces of the organisms. The image is tinted with a light green color.

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Message from the Editor-in-Chief

Phycology (ISSN 2673-9410) is an international peer-reviewed open access journal on Phycology. *Phycology* is published quarterly online by MDPI.

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Aims

Phycology (ISSN 2673-9410) is an international, cross-disciplinary, scholarly, peer-reviewed, open access journal on the topic of phycology. *Phycology* publishes regular research articles, reviews, short notes, etc. Our aim is to encourage scientists to publish papers on the subject of the origin evolution of phycology, species of algae, cultivation, harvesting, extraction, biofuels and some applications of phycology. There is no restriction on the maximum length of the papers. For theory papers, full details of proofs must be provided so that results can be checked. For experimental papers, full experimental details must be provided so that results can be reproduced. Additionally, electronic files or software regarding the full details of the calculations, experimental procedure, etc., can be deposited, along with the publication as “Supplementary Material”.

Scope

Origin, ecology and evolution of micro- and macroalgae

- History of phycology
- Algal biology and ecology
- Microbial community dynamics
- Microbial ecology and algae-microbe interactions
- Paleophycology and fossil algae
- Reproduction and life cycles of algae

Algal biology and environment

- Algae diversity and conservation
- Benthic and planktonic algae
- Biochemistry and lipidomics
- Cell biology and physiology
- Ecotoxicology
- Harmful microalgae
- Marine food chain
- Molecular traits
- Metabolic regulation, Genetic engineering and Metabolomics
- Seaweed resources

Applications of phycology

- Algal biotechnology
- Algal cultivation, harvesting and extraction systems
- Algal biomass, components and function
- Algae for food and nutraceuticals
- Biofuels and Bioproducts
- Water treatment using algae
- Biorefinery
- Industrial algae farming and processing
- Life cycle assessments and technoeconomic analyses

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