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# Phycology

A close-up photograph of green seaweed or algae, showing its intricate, overlapping, and textured structure. The image is overlaid with a semi-transparent green filter.

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# Message from the Editor-in-Chief

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

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## Aims

*Phycology* (ISSN 2673-9410) is dedicated to the dissemination of rigorously peer-reviewed publications on the subject of microalgae and macroalgae, including their origin, evolution, ecology, structure, biochemistry, molecular biology, biotechnology, and the many diverse applications that involve monitoring, cultivation, harvesting, processing, and compound extraction. The journal aims to provide high-quality research contributions in a wide range of phycology areas that have the potential to advance our knowledge while addressing local and global areas of significance. As an open access journal, *Phycology* has high visibility and is committed to rapid publication. 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”.

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## 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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### 2024 Impact Factor: 2.9

(*Journal Citation Reports* - Clarivate, 2025)

### Journal Rank

JCR - Q1 (Marine and Freshwater Biology) /  
CiteScore - Q1 (Agricultural and Biological Sciences (miscellaneous))

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