

Special Issue

Genetic Engineering of Microalgae

Message from the Guest Editor

Microalgae provide a wide variety of biomolecules, cellular functions, and physiological characteristics not least due to the great species diversity and the different living conditions within this polyphyletic group of photosynthetic microorganisms. These and other reasons mean that microalgae are common target organisms for genetic modification, ranging from basic research to commercial biotechnological applications. Recent developments in genetic engineering of microalgae have been supported by rapid advances in omics technologies and an increase in methods and tools for gene manipulation, vector construction, transformation, and selection. This Special Issue welcomes both reviews and original articles on the genetic engineering of microalgae. Possible contents include but are not limited to systems biology and omics technologies in relation to genetic engineering of microalgae (e.g., genomics, transcriptomics, proteomics, metabolomics), key tools or elements of genetic engineering and the application of genetic engineering in basic research and industry.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2023)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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