



Molecular Metabolisms and Regulations of Algae

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Eukaryotic algae are remarkably diverse in terms of habitat, morphology, physiology, and biochemistry, and they play a critical role in global ecology. Algae are useful models for studying metabolic processes in photosynthetic organisms and potential renewable platforms for the production of beneficial chemicals. Algae adapt to various environmental conditions by changing many aspects, from gene expression to cell physiology and morphology, through the regulation of primary and secondary metabolism. Characterizing algal metabolism and its regulation is the key to understanding their role in the environment and unlocking their potential for biotechnology applications.

This Special Issue provides an open platform for the discussion of recent developments in this field, focusing on novel aspects of molecular metabolism in algae, from genes regulation and signal pathways to protein modification and enzyme activity control.

Original papers, review articles, and perspectives from experts in the field are welcome.





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Message from the Editor-in-Chief

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