

Special Issue

Dinoflagellate Biology: Using Molecular Approaches to Unlock Their Ecology and Evolution

Message from the Guest Editor

Dinoflagellates are an important group of aquatic microbial eukaryotes, showing great diversity in life histories, ecological niches, and morphology and pigment composition. They include species with photosynthetic, heterotrophic, symbiotic, mixotrophic and parasitic lifestyles, and encompass coral symbionts, harmful algal bloom forming species, and important fish parasites. They have a presence in fossil records that date back several hundred million years. Dinoflagellates include the majority of species that produce marine biotoxins, impacting aquaculture. In recent years, molecular approaches have been applied to understand dinoflagellate biology, including techniques for studying dinoflagellate ecology, physiology, basic genetics and evolution. This special issue is dedicated to the application and development of molecular approaches for enhancing our understanding of dinoflagellate biology.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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