Special Issue

Harmful Algal Blooms and the Mechanism of Hypoxia in Coastal Waters

Message from the Guest Editors

The excessive discharge of nutrients has led to global eutrophication, which contributes to intensive outbreaks of harmful algal blooms worldwide. In addition, climate changes may favor some noxious species over others. Harmful algal blooms pose serious threats to aquaculture, fishery, and even human beings. Hypoxia may occur during these blooms due to deoxygenation and organic matter degradation, further devastating the ecosystems. It is still a challenge to understand the breakout of harmful algal blooms and the driving factors, but the advent of new technology has enabled us to begin revealing the mechanisms. This Special Issue aims to gather insightful contributions addressing the above topics with multidisciplinary approaches. The Issue welcomes papers addressing the distribution of harmful microalgae, the physiology of harmful microalgae, the ecology of harmful algal blooms, socio-economic impacts of harmful algal bloom events, and the mechanism and occurrence of hypoxia.

Guest Editors

Prof. Dr. Haifeng Gu

Third Institute of Oceanography, Ministry of Natural Resources, Xiamen 361005, China

Prof. Dr. Chui Pin Leaw

Bachok Marine Research Station, Institute of Ocean and Earth Sciences, University of Malaya, 16310 Bachok, Kelantan, Malaysia

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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