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Aquatic Biodiversity and Ecosystems in the World of Change: From Theory to Environmental Management

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Message from the Guest Editors

“Ecosystems” and “biodiversity” have become two of the most frequently used words. Currently, we do not have sufficiently constructive and complete definitions of these terms, and biodiversity is more a buzzword than a clear concept, the heart of ecosystem understanding. The aquatic environment occupies most of the planet’s area, and this Special issue is dedicated to filling gaps in knowledge and providing information to environmental managers, politicians, and the general public.

The Issue’s main topics include:

1. Complementarity in an understanding of aquatic ecosystems and their biodiversity;
2. Biodiversity as a cross-scale and cross-level panarchy;
3. Biodiversity in unique and rare aquatic habitats;
4. Alternative ecosystem states and shifts in biodiversity;
5. Man-made water bodies and biodiversity conservation;
6. Long-term changes in ecosystems and biodiversity;
7. Ecosystem resources and services. Integrated sustainable management of aquatic ecosystems;
8. Public awareness of these problems;
9. Impact of extreme climate events on aquatic biodiversity and ecosystems;
10. Parasites and symbionts: their diversity and ecosystem roles



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Special Issue



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Message from the Editor-in-Chief

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.

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