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Continental Toxic Algae and Their Ecological Impact

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Message from the Guest Editor

Environmental toxicity is increasing globally, but the effect on algal toxicity on climate warming, not only the increase in water temperature, but also the enhanced levels of salinity and nutrients related to water scarcity, challenge human development. It seems that toxin producers are distributed throughout the cyanophyta phylogenetic tree, for instance, and that most species can synthetise several different toxic compounds. What will the effects of this changing environment on the growth and toxicity expression of species be? How may this potential increase in toxicity affect to aquatic populations of phototrophs and heterotrophs? Will the effects be similar in humid and arid areas, and in flowing or lentic waters? What about transition waters? What are the consequences of toxin accumulation along aquatic food chains? Have toxic species any kind of competitive advantage in these situations? What is the importance of benthic toxicity? All contributions regarding the relationships between ecology and continental algal toxicity with special emphasis in climate change, benthos and species relationships are welcome in this Special Issue.

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Editor-in-Chief

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Message from the Editor-in-Chief

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