Big Data Calculation and New Findings for Aquatic Toxicology

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Message from the Guest Editors

With the help of new and advanced tool development, we are witnessing a large transition from a manual to a fully automated and systematic dissection of biological questions in the field of aquatic toxicology. For example, by using machine learning, computer vision and big data calculation methods, we are able to address animal/plant cell counting, cardiac physiology and locomotion tracking in a diverse organisms like duckweed, teterahymena, water flea and zebrafish [1,2,3]. This Special Issue "Big Data Calculation and New Findings for Aquatic Toxicology" of *Toxics* particularly welcomes researchers who use big-data-mining skill to address diverse questions pertaining to aquatic toxicology. Mathematic algorithms, image segmentations, classifications, locomotion trajectory analyses, volumetric predictions and multiple dimensional data analyses applied to plants, animals or protozoa are especially welcome. Novel tools or new applications that could to help wet-lab researchers to ask better biological questions are appreciated. This Special Issue of the *Toxics* journal invites researchers around the world to submit their results or reviews in the field.

Special Issue

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Message from the Editor-in-Chief

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