Special Issue

Application of Environmental DNA for Biological Conservation

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Message from the Guest Editor

Dear Colleagues,

Environmental DNA is a non-invasive tool used for the detection of rare, hard-to-find, invasive, and endangered species in aquatic habitats. When traditional methods are difficult, prove to be inadequate, and/or organisms are found in low densities, eDNA can provide resolution. Specifically, organisms in aquatic environments leave a trace of slime, scales, urine, feces, and gametes they slide through the water. Water is collected, DNA is extracted, and the sample is used to determine if the target species is present. Thus, eDNA can be used to “take attendance”, as a monitoring tool, and for conservation purposes.

This Special Issue provides the opportunity to highlight new and exciting research using eDNA, as well as emphasize technological advances using this tool.

Dr. Alexis Janosik
Guest Editor

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