Special Issue

Molecular Evolution and Conservation of Tropical Biodiversity

Message from the Guest Editors

The tropical region encompasses most of the biodiversity worldwide, with ecosystems ranging from rain forests to savannas and grasslands. Most worldwide hotspots of biodiversity are also located in the Tropics, where relatively fewer species of native fauna and flora have been deeply investigated by molecular methods and there are still large taxonomic gaps with many cryptic species. The high richness of species and complex biotic interactions in the Tropics in comparison to other climatic regions provide a great challenge to scientists worldwide. Hence, research on systematics, taxonomy, population dynamics, evolution, biogeography, and phylogeography using genomics and other molecular-based approaches is greatly needed to understand this spectacular tropical biodiversity in order to allow an adequate conservation management of species and environments and to recognize their value in maintaining or enhancing quality of life for humans.

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