



New Methods and Viewpoints in Avian Ecology and Conservation

Guest Editor:

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Message from the Guest Editor

Animal monitoring is a key stage in the process of understanding individual behaviors and social dynamics that characterize populations and species. Recent technological advances have allowed us to collect large data sets on animals, and researchers are now able to better understand their needs and health status and can also investigate the influence of external conditions on their normal behavior.

To acquire this knowledge, animal researchers need to (1) analyze the information provided by recent technological devices and (2) build conceptual and methodological frameworks in order to understand and forecast what animals are doing, when, where, why, and for how long. The editor of this Special Issue welcomes submissions of both articles and reviews about novel conceptual and/or methodological ideas on the following topics in avian ecology and conservation: analysis and modeling of biotelemetry data, analysis and modeling of bioacoustics data, new methods for home range estimation, new GIS and geostatistical tools available for animal researchers, new methods to detect the ideal fix of biotelemetry data, and new approaches for building supervised and unsupervised ethograms.

