Special Issue

Drones and Machine Learning as a Complementary Tools in Wildlife Biology Studies

Message from the Guest Editors

The use of aerial drones (UAVs) for wildlife monitoring has grown rapidly in the past decade. The goal of this Special Issue is to collect papers (original research articles and review papers) to give insights about the use of drones in wildlife biology studies, with the complementary tool of machine learning techniques, which will allow for species recognition, age, sex and body conditions, speed, behaviour and direction of the movement of the individuals detected during the period of observation. This Special Issue will welcome manuscripts related to the following themes:

- Use of drones, equipped with various sensors, for the monitoring of wildlife (with the potential automation using machine learning techniques);
- Use of drones in behavioral science (with the potential automation using machine learning techniques);
- Drones as a tool for the estimation of demographic parameters in wild populations;

We look forward to receiving your original research articles and reviews.

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About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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