

Special Issue

Sensor Systems for Biodiversity and Ecosystem Monitoring

Message from the Guest Editors

Topics of interest for publication include, but are not limited to, the following:

- Bioacoustics (including multichannel spatial arrays);
- Camera trapping;
- Thermal imaging;
- eDNA;
- Terrestrial, airborne, or satellite LiDAR;
- Radio Tomographic Imaging (RTI);
- Dataloggers and weather stations;
- Robotic sensing platforms (e.g., drones, rovers);
- Earth observation;
- Animal tagging and biologging;
- Multimodal sensors;
- AI classification systems (audio, visual, other);
- Targeted systems (insects, frogs, bats, birds, mammals, others);
- Targeted terrains (soil, freshwater, ocean, terrestrial, atmospheric);
- Object tracking and movement ecology;
- Few-shot learning;
- Autonomous or semi-autonomous systems;
- Edge computing and onboard processing;
- Low-power embedded hardware;
- Connectivity networks for sensor communication (e.g., 3G/4G, LoRa, mesh, satellite);
- Open hardware / open-source software;
- Distributed sensor networks;
- Renewable energy sources for autonomous deployments;
- Biodegradable or sustainable sensing systems;
- Large-scale data archiving;
- Statistical analyses and modeling for sensor data;
- Deployment strategies and sensing simulations;
- Ethics and privacy.

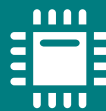
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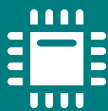


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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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