

Special Issue

Applications of Sensors and Machine Vision Systems in Aquaculture

Message from the Guest Editors

This Special Issue focuses on “Applications of Sensors and Machine Vision Systems in Aquaculture”. We seek articles that utilize proximal and remotely sensed data for aquaculture, including but not limited to the following:

- Innovative applications and methods in proximal and remote sensors in aquaculture;
- Novel data analytics for state-of-the-art sensors and their applications in aquaculture;
- Calibrations, verifications, and case studies for real-time and onsite water quality and aquaculture measurements;
- Automation, control systems, and multipurpose sensors in aquaculture;
- Sensing system for monitoring and quantifying fish welfare;
- Approaches for biometrics, diseases or behavior sensing in aquaculture;
- Fish behavior tracking sensors and algorithms;
- Sensors and their applications in fish product monitoring;
- Sensor systems for aquaponics monitoring, control and maintenance;
- Sensors network and IoT in aquaculture and aquaponics;
- Sensors and their applications for fish product quality monitoring;
- Application of machine learning and deep learning for monitoring fish and fish products;
- Sensor mobility, automation, and telemetry

Guest Editors

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Dr. Petr Císar

Dr. Jan Urban

Deadline for manuscript submissions

closed (31 July 2020)



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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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