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Smart Fisheries



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Message from the Editor-in-Chief

Smart Fisheries is an international, peer-reviewed, open access journal dedicated to advancing interdisciplinary research and innovation at the confluence of fishery science, data science, engineering, and socio-economics. Our mission is to accelerate the digital transformation and sustainable development of global fisheries and aquaculture through scholarly dissemination. As Editor-in-Chief, I encourage you to consider *Smart Fisheries* for your scientific papers and would be pleased to welcome you as one of our authors. Let us paint a radiant future across the vast canvas of global fisheries together.

Editor-in-Chief

Prof. Dr. Dapeng Li

Aims

Smart Fisheries (ISSN 3043-002X) is an international, peer-reviewed, open access journal dedicated to advancing interdisciplinary research and innovation at the confluence of fishery science, data science, engineering, and socio-economics. It publishes research on the innovative application of information technologies and artificial intelligence (AI), including the Internet of Things (IoT), cloud computing, big data, and machine learning, to address critical challenges in aquaculture and fisheries. The journal prioritizes the application of these technologies in enabling precision aquaculture, intelligent fishery resource management, and resilient aquatic food systems, addressing critical challenges from resource assessment to climate adaptation. By bridging fishery science, data science, engineering, and socio-economics, the journal seeks to accelerate the digital transformation and sustainable development of global fisheries.

Scope

Precision and Smart Aquaculture Technologies

- Multimodal intelligent sensing and analysis of fish behavior;
- Monitoring and anomaly warning for pond environments and fish/algae growth status;
- Intelligent recirculating aquaculture systems (RASs);
- Smart aquaculture environment regulation;
- Intelligent and precise feeding;
- Real-time physiological sensing of fish;
- Aquatic animal health and welfare monitoring;
- Digital Twin smart aquaculture management.

Fishery Informatics and AI

- Fishery big data analytics and resource assessment;
- ML- and AI-driven models for prediction
- AI-driven stock assessment and harvest forecasting;
- Computer vision-based fish identification, behavioral analysis, and AI-enabled disease diagnosis;
- ICT-based coastal fishery management.

Fishery Automation and Intelligent Equipment

- Autonomous underwater vehicles (AUVs) and smart fishing/exploration systems;
- IoT and autonomous systems for fishing operations;
- Advanced fishery materials.

Smart Aquatic Supply Chain and Digital Marketing

Sustainable Fisheries and Socio-Economic Impacts

Author Benefits

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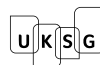
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