



## Underwater Sensor Networks: Applications, Advances and Challenges

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Deadline for manuscript  
submissions:  
**closed (25 May 2019)**

### Message from the Guest Editor

Areas such as aquaculture, underwater communication, underwater surveillance and monitoring, etc., are currently well-established in the industry. Moreover, seafood and fish are in high demanded on the market, so there is a very strict control of product quality. New technology helps the development of underwater sensors and underwater sensor networks. New sensing systems add new ways to detect issues and gather data. New communication systems allow larger underwater distances with higher data rates. New sensor network structures and topologies allow new methods of underwater surveillance. This Special Issue is focused on collecting the latest applications, advances and challenges in underwater sensor nodes and underwater sensor networks.

### Keywords

- Underwater sensor nodes and devices
- Underwater sensor networks
- Topologies for underwater sensor networks
- Underwater sensor networks communication
- Sensor networks for aquaculture, fish farming and fish monitoring
- Underwater surveillance and monitoring
- Databases and big data for underwater systems control
- Underwater modems





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## Message from the Editor-in-Chief

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