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Low-Cost Sensors for Environmental Monitoring

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Message from the Guest Editors

Dear Colleagues,

Developing low-cost sensors with enough accuracy and robustness is necessary to ensure efficient environmental monitoring. Ecosystems are characterized by their high spatial and temporal variability, which is especially high in the case of coastal ecosystems. So, to develop a sensor net that can represent a synoptic view, it is necessary a high number of sensors. Moreover, the sensors in the environment can be damaged or lost and need replacement quite frequently. Therefore, the cost of the sensors is a limitation in the deployment of environmental sensor networks. The low-cost sensors are generally based on sensing variables based on physical parameters and can be combined with remote sensing tools. The application fields of the environmental monitoring systems might include agricultural lands, marine and coastal regions, rivers, wetlands, forests, soil and subsoil, atmosphere and urban areas.

This Special Issue aims to collect original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of the low-cost sensors.

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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.

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