



## Sustainable Management of Water Resource and Environmental Monitoring

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### Message from the Guest Editors

This special issue deals with the challenges for sustainable management of water resource and environmental monitoring issues and climate change problems particular focus semi-arid and arid regions. Furthermore, water resource and environmental parameters affects all levels of the human, climate and natural resources: from sustainable planning, development and policy, to management and withdrawing and monitoring. Remote sensing, GIS, Hydrological modeling and Machine Learning models adapted to sustainability management of water resource is a modern and promising research area. Interest is rising in adopting a sustainable planning and management perspective in these fields. This Special Issue welcomes research and review papers on introduce the various advanced techniques, modeling, climate change, Land Use/ Land Cover, Hydrological models and machine learning approach to sustainable planning and management of water resources with applications applied to solve the water resource and environmental monitoring, water and flood planning and management.





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## Message from the Editor-in-Chief

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