# **Special Issue**

# The Next Generation on Water Resource Management Using Computer Aid Models

# Message from the Guest Editor

Of recent developments, the applications of machine learning and their advanced versions have been noticed in the domain of water science. Their merit promotes valid and reasonable solutions for planning and management of water resources, assessment of hydroclimatic hazard risk, evaluation of agricultural potential, understanding ecological distribution, etc. It is worthwhile to highlight that the main challenges of the hydrological processes are always associated with nonlinear, non-stationary, and stochastic processes, which require highly complex engineering problems to be resolved. Here, where the applications of machine learning take place, the machine learning models have been evidenced to demonstrate excellent advanced computer aid models in solving such a kind of issues related to water management. Hence, the motivation of this Special Issue to propose and investigate the feasibility of advanced technologies of machine learning for decision support in water resources management, hydrological hazard risk reduction, and environmental management.

### **Guest Editor**

Dr. Zaher Mundher Yaseen

Civil and Environmental Engineering Department, King Fahd University of Petroleum & Minerals, Dhahran 31261, Saudi Arabia

#### Deadline for manuscript submissions

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/ sustainability





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### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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