

## Special Issue

# Towards COP27: The Water-Food-Energy Nexus in a Changing Climate in the Middle East and North Africa

### Message from the Guest Editors

This Special Issue will cover, but not be limited to, the following topics in the Middle East and North Africa (MENA) region:

- Integrated groundwater and storm water management systems.
- Integrated assessment and modeling of freshwater and wastewater management systems.
- Integration of big data analytics for defining and determining a knowledge framework for environmental impact assessment.
- Sustainable management of marine and coastal environments.
- Impacts of climate change on agricultural ecosystems.
- Environmental and ecological impacts of climate hazards.
- Future projections and simulations of climate change impacts.
- Renewable and green energy.
- Biotechnology for environmental risk assessment and management.
- Innovative and clean technologies for energy production.
- Smart cities and climate change resilience.
- Remote sensing and GIS applications for sustainable monitoring.

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### Guest Editors

Dr. Ahmed El Kenawy

Dr. Petra-Manuela Schuwerack

Dr. Zhongfeng Xu

Dr. Mohamed El-Alfy

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### Deadline for manuscript submissions

closed (30 September 2022)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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