# Special Issue

# Artificial Intelligence and GIS for Environmental Engineering Applications

**Message from the Guest Editors**

The dynamic development of ICT systems and industrial automation determines economic development in all strategic sectors of the global economy, as well as the development of cities and intelligent technologies. The most important element of advanced ICT systems used in many sectors of environmental engineering is the integration of GIS, SCADA systems supported with AI, and advanced methods of machine learning or multi-agent systems.

This Special Issue provides an international forum for the publication of work describing the practical applications of AI, machine learning methods, and deep learning techniques used in GIS in all branches of environmental engineering. The submitted papers should be original research contributions and report some novel aspects of AI used for real-world engineering applications.

- artificial intelligence
- machine learning
- expert systems
- agent-based models of geographical systems
- geographic information system (GIS)
- waste management
- sewage system
- water distribution system
- adaptation to climate change
- circular economy

**Guest Editors**

Prof. Dr. Krzysztof Gaska

Prof. Dr. Agnieszka Generowicz

Prof. Dr. Marzena Smol

**Deadline for manuscript submissions**

closed (10 November 2021)


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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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