



## Application of Artificial Neural Networks in Geoinformatics

Guest Editor:

**Prof. Dr. Saro Lee**

1. Geological Research Division,  
Korea Institute of Geoscience  
and Mineral Resources (KIGAM),  
124, Gwahak-ro Yuseong-gu,  
Daejeon 34132, Republic of Korea  
2. Department of Geophysical  
Exploration, Korea University of  
Science and Technology, 217  
Gajeong-ro Yuseong-gu, Daejeon  
34113, Republic of Korea

Deadline for manuscript  
submissions:  
**closed (31 August 2017)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue of *Applied Sciences*, “Application of Artificial Neural Networks in Geoinformatics”, aims to attract novel contributions covering a wide range of applications in artificial neural networks in geoinformatics.

Our topics of interest include, but are not limited to:

- Application of Artificial Neural Networks combined with Geographic Information System (GIS)
- Application of Artificial Neural Networks in Remote Sensing
- Application of Artificial Neural Networks in Global Positioning System (GPS)
- Spatial Analysis based on Artificial Neural Networks
- Geocomputation using Artificial Neural Networks
- Spatial Prediction using Artificial Neural Networks
- Processing of Geoinformation using Artificial Neural Networks
- Application of Artificial Neural Networks on Geosciences, Environments, Natural Hazard, Natural Resources and Planning
- Comparison and Validation of Artificial Neural Networks with other Machine Learning models

Prof. Dr. Saro Lee  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)