Special Issue

Intelligent Systems Supporting the Assessment of Soil Influence on Crop Yields

Message from the Guest Editors

The aim of this Special Issue is to bring together original and review articles that explore applications of artificial intelligence and computational methods in assessing the impact of physical and chemical properties of soils on crop yield. This work should be guided by support for the development of data-driven predictive and decision-making tools to better manage natural resources and optimise crop yields. The publications reported in this Special Issue will aim to advance knowledge on the integration of modern analytical techniques with soil–plant-environmental research, in line with *Land*'s mission as a multidisciplinary forum in the field of earth and environmental sciences. This Special Issue will welcome manuscripts that link the following themes:

- Using artificial intelligence and machine learning methods in the analysis of soil properties;
- The predictive modelling of plant growth and yield outcomes from soil data;
- Applications of remote sensing and GIS in soil–plant interaction research;
- Data-driven decision support systems for agriculture and sustainable land management;
- Reviews and meta-analyses on AI solutions in soil–plant relationship research.

Guest Editors

Dr. Magdalena Piekutowska

Department of Geoecology and Geoinformation, Institute of Biology and Earth Sciences, Pomeranian University in Słupsk, 76-200 Słupsk, Poland

Dr. Patryk Hara

Department of Biosystems Engineering, Faculty of Environmental and Mechanical Engineering, Poznań University of Life Scienes, 60-627 Poznań, Poland

Deadline for manuscript submissions

31 March 2026

Land

Land

an Open Access Journal by MDPI

**Impact Factor 3.2
CiteScore 5.9**

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst
Institute for Geosciences and Geography, Department Sustainable Landscape Development, University of Halle, Von-Seckendorff-Platz 4, 06120 Halle, Germany

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