agronomy

an Open Access Journal by MDPI

IMPACT FACTOR 3.7

CITESCORE 5.2

Geostatistics and Machine Learning in the Mapping of Agricultural Soils: State-of-the-Art and Perspectives

Guest Editors:

Dr. László Pásztor
Department of Soil Mapping and Environmental Informatics, Institute for Soil Sciences, Centre for Agricultural Research, 1022 Budapest, Hungary

Dr. Gábor Szatmári
Department of Soil Mapping and Environmental Informatics, Institute for Soil Sciences, Centre for Agricultural Research, 1022 Budapest, Hungary

Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

Agronomy is one of the applications demanding the most spatial information on the state, functions, potential and processes of soils. Very recently, predictive soil maps, in the form of digital soil maps, are considered as the most effective representation of specific features of the soil mantle. The evolution of digital soil mapping is strongly related to the availability of spatially exhaustive, relatively low-cost data as well as geostatistical and data mining methods suitable for the identification of hidden relationships between soil features and environmental factors, which then can be used for building predictive models. Recent advantages in proximal sensing increased the interest to apply and exploit the products serviced by these instruments for digital soil mapping at local and farm scale to support the spatial assessment of land and soil features. Research papers presenting innovative approaches for the high resolution spatial assessment and mapping of various soil characteristics are welcomed in the present Special Issue.

Dr. László Pásztor
Dr. Gábor Szatmári
Guest Editors

agronomy

IMPACT FACTOR 3.7

CITESCORE 5.2

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge
School of Agriculture, Food and Wine, University of Adelaide, Urrbrae, SA 5064, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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), PubAg, AGRIS, and other databases.
Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
𝕏@Agronomy_Mdpi