agriculture

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 4.9

Effects of Fertilizer Application on Soil Physico-Chemical and Biological Properties

Guest Editors:

Prof. Dr. Sylwia Andruszczak
Department of Herbology and Plant Cultivation Techniques, University of Life Sciences, Akademicka 13, 20-950 Lublin, Poland

Prof. Dr. Monika Skowrońska
Department of Environmental and Agricultural Chemistry, University of Life Sciences in Lublin, Akademicka 15, Lublin 20-950, Poland

Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editors

The growing world population, which is expected to reach 8.5 billion by 2030, coupled with changing dietary preferences is expected to drive fertilizer industry expansion. Currently, half of all food globally is produced using mineral fertilizers, and nitrogen is usually a major limiting factor for crop production. The continuous application of fertilizers and/or their excessive rates, however, could lead to undesirable consequences, such as reduced crop yields and a deterioration in soil health, i.e., its capacity to function, within ecosystem and land use boundaries, to sustain biological productivity, maintain environmental quality, and promote plant and animal health. This Special Issue focuses on the physico-chemical and biological properties of soils governed by applied fertilizers, with an emphasis both on the negative impacts and the management of the maintenance or improvement of soil quality. This Special Issue particularly invites highly interdisciplinary studies embracing disciplines from agriculture and soil science to the environment and humans. All types of articles, such as original research and reviews, are welcome.

agriculture

IMPACT FACTOR 3.3

CITESCORE 4.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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, RePEc, and other databases.
Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
𝕏@AgricultureMdpi