

Special Issue

Sustainable Management of Legume Crops

Message from the Guest Editors

The growing demand for plant protein is prompting many countries to invest in projects that support legume production. New solutions that increase the attractiveness of these species to improve agrotechnical processes are being sought, with the purpose of making them more efficient, economical, and sustainable. Conventional tillage can be gradually replaced by new methods that reduce the time spent on tillage. The introduction of soil simplification is primarily an opportunity to reduce production costs. Due to ongoing climate change, reduced tillage, including the elimination of plowing, is considered particularly valuable for soil and environmental protection.

Significant changes in fuel and herbicide costs are contributing to the growing popularity of zero-tillage technology as it becomes more commercially attractive. Moreover, reduced tillage can contribute to lower CO₂ emissions. Therefore, it is essential to know the impact of reduced tillage on the chemical composition and biological life of the soil, soil microbial activity, the modification of seed yield, seed sowing value, and the seed chemical composition of such a globally popular crop like legumes.

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Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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