

Special Issue

Agrotechnology of Improving Yield and Quality in Field Crops under Climate Change

Message from the Guest Editors

Global population growth and the increasing demand for food require an improvement in crop yields. However, climate change poses a major challenge to crop production. The negative effects of weather, climate and pedological-topographical factors that cause crop stresses pose a serious threat to plants. Changes in weather conditions require plants to be well-adapted to the climate and to have a defense system in place. Consequently, great emphasis should be placed on understanding the impact of these stress factors and their mechanisms of action. The Special Issue focuses on the assessment of the negative effects of climate change and climate extremes and their mitigation by means of the optimization of the production site conditions, genetic basis, ecophysiological parameters (chlorophyll content, photosynthesis, stomatal conductance, LAI, dry matter formation) and agrotechnical elements, as well as the use of soil-plant sensors. All types of articles on arable crops, e.g., original research and reviews are welcome.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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