

Special Issue

Protein Crops: Physiological and Functional Perspectives

Message from the Guest Editors

Agriculture is facing a huge challenge worldwide to produce enough biomaterials for an increasing population, using limited resources under climate resilience. Protein crops must serve as alternative crops and become outstanding sources of protein to satisfy this future increasing demand of plant protein for food and feed, while meeting nutritional and health benefit requirements. Such crops include various oilseeds and grains, i.e., legumes, pseudocereals, and other crops. This Research Topic will encompass different aspects of protein crops, such as the functional roles of seed and grain proteins for physiological crop responses to climate resilience; seed and grain physiological improvement; genetic studies and selection programs to explore high yield and/or specific seed quality traits; proteomic and metabolomic studies on protein crops for the identification of accurate biomarkers for breeding programs; integration of bioinformatics methodological approaches and “Big Data” projects in a smart agriculture; germplasm resources and natural biodiversity exploitation; sustainable cultivation and agriculture; high nutritional seed development...

Guest Editors

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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.

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