

Special Issue

Nutritional Value and Stress Tolerance Mechanisms in Legume Crops

Message from the Guest Editor

Legumes are a vital source of vegetable protein for tropical and subtropical regions worldwide. They are a staple food for low-income populations in these regions because they are a cheap source of protein, with more than 20% protein in the grain, makes them vital for supplying vegetable proteins at low costs. They are also undemanding in terms of soil fertility. They can form a symbiotic relationship with Bradyrhizobium bacteria to acquire nitrogen (N), carrying out biological nitrogen fixation (BNF) without the need for nitrogen fertilization to achieve high productivity. They can adapt to abiotic stresses, such as drought, high temperature, salinity and heavy metals. Therefore, grain legumes are a cheap, high-quality source of protein with low production costs, and their cultivation needs to be improved, especially in marginal areas for agriculture. We welcome original research articles and reviews related to stress tolerance mechanisms in legumes, biological nitrogen fixation and fertilizer utilization, grain quality and nutritional enhancement, yield stability, and regional adaptability.

Guest Editor

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Deadline for manuscript submissions

31 August 2026



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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