Special Issue

Advances in Legume Nitrogen Fixation in Agroecosystems

Message from the Guest Editor

Nowadays, farmers can use chemical nitrogen fertilizers for agricultural production. As a result, the productivity of crops increased several-fold during the 20th century to meet the demand of the increasing world population. On the other hand, the excess or inappropriate use of nitrogen fertilizers caused environmental problems such as nitrate leaching and contamination in ground water, and the emission of the global warming gas N2O. The use of legume nitrogen fixation in agriculture or agroecosystems may be one of the best solutions to keep both crop productivity high and to solve the environmental issues. This Special Issue focuses on the frontiers of the use of legume nitrogen fixation in agroecosystems, including crop production in agricultural fields, and the maintenance of grassland and forestry. For this reason, we welcome interdisciplinary studies from disparate research fields, including agricultural sciences, environmental sciences, ecological sciences, crop management, fertilizer sciences, etc., to improve crop productivity and reduce the ecological problems for sustainable agriculture. Original research articles and reviews are accepted.

Guest Editor

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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.

Editor-in-Chief

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