Special Issue

Nitrogen Fertilization in Crop Production

Message from the Guest Editor

Productivity effects of nitrogen are site-, weather- and nitrogen form-specific. Synthetic and organic N fertilizers vary with respect to their effects on crop growth, crop quality and nitrogen losses. Sustainable nitrogen management and improving nitrogen use efficiency are key in solving global ecological crisis while maintaining sufficient food supply. This Special Issue is dedicated to the effects of fertilization of different nitrogen forms and fertilizers on crop productivity in interaction with other crop nutrients, water supply, crop type and site conditions. Crop production effects should be embedded in a comprehensive framework covering loss processes to the environment (ammonia, N2O, nitrate) and crop rotation effects with potential involvement of a perspective on biodiversity. Authors are invited to submit papers covering the scope of this Special Issue while avoiding a mere N response perspective of nitrogen supply on crop production. The focus is on increasing the understanding of the interaction of nitrogen fertilization with loss processes, site effects and crop physiology. Contributions with a wider perspective on food security and land use are also encouraged.

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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