



## Nitrogen Fertilization in Crop Production

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Deadline for manuscript  
submissions:

**closed (15 June 2023)**

### 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, N<sub>2</sub>O, 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.





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## Message from the Editor-in-Chief

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