Special Issue

Innovative Fertilizer – Fostering Resilient Agriculture

Message from the Guest Editors

Since the mid-1950s, the overuse of low-efficiency synthetic fertilizers to increase crop productivity has increased soil and water pollution with the subsequent damage to the surrounding ecosystems. In addition, the abusive use of non-renewable reserves to produce fertilizers has compromised future supplies. As a result, the decrease in nutrient inputs in soil is of particular concern, and legal restrictions are being implemented to address this issue. In this context, the development of new technologies toward more efficient and sustainable strategies to maintain crop production reducing fertilizers application is essential. To this aim, it is vital to use alternative resources as well as reduce the environmental impact.

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