Special Issue

Effects of Fertilization on Heavy Metal Accumulation in Soil and Crops

Message from the Guest Editors

Soil contamination with heavy metals is a serious problem. They are persistent in the environment and not only reduce crop yield, but also negatively affect human health. One of the main sources of heavy metals in soil is excessive mineral fertilization and the use of wastebased fertilizers. Taking into account the difficult situation of the fertilizer market, an increased interest in fertilizers based on by-products and waste, which are often contaminated with heavy metals, can be expected. The forms of heavy metals in fertilizers and their transformations in the soil environment are also important to assess the risk of their entry into the food chain. This Special Issue focuses on short- and longterm studies of the impact of fertilizer (conventional and waste-based) use on the accumulation of heavy metals in the soil, their bioavailability and impact on the growth and development of plants. Studies on the health risk assessment and innovative soil treatment technologies will also be taken into account. We welcome the submission of all types of articles, including original research, reviews and short communications.

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Message from the Editor-in-Chief

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