Special Issue

Nanobiotechnology Approach for Sustainable Agriculture

Message from the Guest Editors

Agricultural production needs to be increased to feed the projected 9.3 billion population in 2050. Sustainable agriculture is one way to address the possible food shortage in future. The possibility of using nanobiotechnology to enable high efficacy of nanopesticides and nanofertilizers has already been demonstrated. Additionally, nano-improved plant stress tolerance, nano-enabled transgenic events, and nanosensors for engineering smart plants have been attracting increasing attention from the research community and public. Nano-enabled agriculture has thus become a hot topic and could possibly represent a good component for sustainable agriculture. In this Special Issue, we welcome all kinds of studies related to the topic of using nanotechnology for sustainable agriculture.

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