Special Issue

Biostimulants: A Sustainable Approach for Ameliorating Abiotic Stress Tolerance in Crops

Message from the Guest Editor

Biostimulants represent a sustainable approach for ameliorating abiotic stress tolerance in crops, addressing challenges like drought, salinity, and extreme temperatures that impede crop productivity and threaten food security. Historically, traditional agricultural practices relied heavily on chemical fertilizers and pesticides, leading to environmental degradation and unsustainable farming systems. This special issue focuses on exploring biostimulants' potential in enhancing crop resilience to abiotic stresses. This Special Issue seeks to compile comprehensive research demonstrating biostimulants' efficacy in improving plant physiological processes, soil health, and overall crop performance under stress conditions. We are soliciting papers that provide novel insights into the development and application of biostimulants, field trials showcasing their practical benefits, and reviews summarizing current knowledge and future directions in this field. Contributions that integrate interdisciplinary approaches and demonstrate biostimulants' impact on sustainable agriculture are particularly encouraged.

Guest Editor

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