



Innovative Approaches in Biosystems Engineering for Sustainable Agriculture

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Message from the Guest Editors

This Special Issue aims to highlight the latest advancements and innovative methodologies associated with biosystem engineering that contribute to sustainable agricultural practices. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: 1. Precision agriculture technologies and their impact on crop yield and resource efficiency; 2. Advanced irrigation systems and water management strategies for sustainable agriculture; 3. The integration of renewable energy sources in agricultural operations; 4. Soil health and conservation techniques to enhance productivity and sustainability; 5. The application of data analytics and machine learning in order to optimize farming practices; 6. Innovations in greenhouse and controlled environment agriculture; 7. The role of biosystems engineering in mitigating the effects of climate change on agriculture; 8. Case studies on the successful implementation of sustainable agricultural practices; 9. Policy and economic analysis related to sustainable agriculture and resource management.





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