

FOOD SCIENCE AND TECHNOLOGY

# Organic and Biogenic Nano-Agri-Inputs in Sustainable Crop Production

A Path to Food Safety  
and Security



Vishnu D. Rajput • Deepak Kumar  
J.C. Tarafdar • Tatiana Minkina  
Editors

NOVA

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# Food Science and Technology



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## Chapter 7

# The Impact of Organic Inputs on Food Safety and Security with Respect to Consumer Health

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### Abstract

Organic agriculture is a farming method that places an emphasis on using sustainable, natural methods rather than artificial chemicals and genetically modified organisms (GMOs) to produce food. The materials and substances used in farming to increase soil health, pest and disease control, and crop growth while adhering to organic principles are known as "organic inputs," and they play a significant role in organic agriculture. Organic inputs, including organic farming practices and organic agricultural products, may have both favourable and unfavourable consequences on food security and safety in terms of consumer health. It's crucial to remember that outcomes can change based on particular procedures, rules, and regional circumstances. While organic farming

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