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Naveen Kumar Arora, Samina Mehnaz, Raffaella Balestrini (Eds.)

Bioformulations: for Sustainable Agriculture

- Provides an insight into the scenario of bioformulations around the globe and the ways to uplift them
- Focuses on the constraints faced by the bioformulations (biofertilizers and biopesticides) and how they can be removed
- Elaborates on the future and novel roles of bioformulations in reclamation of waste lands (rhizoremediation) and combating biotic and abiotic stresses posed due to anthropogenic activities and climate change
- Describes how future formulations be designed and developed

More than a century has passed since the first bioformulations were introduced to the market. But there is still much to be done, explored and developed. Though bioformulations offer green alternatives and are important for sustainable agriculture, they make up only a small fraction of the total additions used to enhance crop yields or protect them from pests. There is a great need to develop bioformulations that can promote confidence among end users; accordingly, it is imperative that bioformulations to replace chemicals be reliable and overcome the shortcomings of the past. Bioformulations: for Sustainable Agriculture discusses all the issues related to the current limitations and future development of bioformulations. It examines in detail those bioformulations that include biofertilizers and biopesticides (also commonly known as bioinoculants), presenting a global picture of their development. Further chapters address diverse microbes that are already being or could be used as bioformulations. The book also discusses the techniques, tools and other additions required to establish bioformulations as trustworthy and global solutions. It assesses the types of bioformulations currently available on the market, while also considering the future roles of bioformulations, including the reclamation of marginal and polluted soils.

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