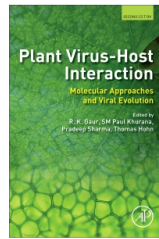


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Plant Virus-Host Interaction

Molecular Approaches and Viral Evolution
2nd Edition - January 12, 2021

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Editors: R.K. Gaur, S.M. Paul Khurana, Pradeep Sharma, Thomas Hohn

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Plant Virus-Host Interaction: Molecular Approaches and Viral Evolution, Second Edition, provides comprehensive coverage of molecular approaches for virus-host interaction. The book contains cutting-edge research in plant molecular virology, including pathogenic viroids and transport by insect vectors, interference with transmission to control viruses, synergism with pivotal coverage of RNA silencing, and the counter-defensive strategies used by viruses to overcome the silencing response in plants. This new edition

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Chapter 22 - Plant viruses as an engineered nanovehicle (PVENVs)

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Abstract

Nanotechnology involves the development of potential applications such as engineered nanovehicles derived from nonpathogenic plant viruses and bacteriophages for drug packaging and payload delivery. Such plant virus-based engineered nanovehicles (PVENVs) are more advantageous compared with synthetic nanoparticles because of their biocompatibility and biodegradability. The viral coat protein in conjugation with small organic molecules or short peptides provides binder molecules that bind proteins

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