

1. Record Nr.	UNINA9910481279103321
Autore	Anon
Titolo	2: De præternaturali sanguinis statu medica specimina pars altera Iacobi de Sandris ... Quibus accedit Dissertatio de ventriculo, glandulis, & emeticis [[electronic resource]]
Pubbl/distr/stampa	Bologna, : [s.n.], 1696
Descrizione fisica	Online resource (31 p.)
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Biblioteca Nazionale Centrale di Firenze.
2. Record Nr.	UNINA9911022355103321
Autore	Al-Khayri Jameel M
Titolo	Nanotechnology Applications in Modern Agriculture / / edited by Jameel M. Al-Khayri, T. R. Anju, Shri Mohan Jain
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-90506-7
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (814 pages)
Collana	Nanotechnology in Plant Sciences, , 3004-9342 ; ; 3
Altri autori (Persone)	AnjuT. R JainShri Mohan
Disciplina	620.5
Soggetti	Nanotechnology Botany Nanoparticles Green chemistry Biotic communities Plant Science Green Chemistry Ecosystems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

1. Introduction to Nanotechnology in Modern Agriculture -- 2. Nanoparticle Synthesis and Modification for Plant Applications -- 3. Nanoencapsulation of Agricultural Inputs -- 4. Nanotechnology in Plant Disease Management -- 5. Nanosensors for Monitoring Plant Health -- 6. Nanotechnology for Soil Improvement and Plant Nutrition -- 7. Nanofertilizers for Precision Agriculture -- 8. Nanoparticle-Based Delivery Systems for Plant Nutrients and Stress Mitigation -- 9. Engineered Nanomaterials for Abiotic and Biotic Stress Tolerance in Plants -- 10. Nanotechnology Application in Crop Improvement -- 11. Nanoparticles for Crop Protection -- 12. Nanotechnology in Crop Breeding and Genetics -- 13. Nanoscale Nutrient Delivery for Hydroponics and Aeroponics -- 14. Nanotechnology applications in modern agriculture -- 15. Biosafety and Environmental Impact Assessment of Nanopesticides -- 16. Sustainable Agriculture and the Role of Nanotechnology -- 17. Ethical and Environmental Considerations in Plant Nanotechnology -- 18. Current trends of Nanoparticles in Insect Pest Management -- 19. Nanotechnology Solutions for Post-Harvest Challenges -- 20. Nanomaterials for Enhancing Fruit Yield and Quality.

Sommario/riassunto

Nanotechnology is redefining the future of agriculture by offering innovative solutions for enhanced crop productivity, sustainable farming, and improved soil health. Nanotechnology Applications in Modern Agriculture presents a comprehensive exploration of cutting-edge advancements in plant nutrition, disease management, crop protection, and precision agriculture. With detailed insights into nanoparticle synthesis, nanoencapsulation, and nanosensors, this book also delves into biosafety, ethical concerns, and emerging trends. A must-read for researchers, scientists, and students, this resource provides the knowledge needed to harness nanotechnology for a more resilient and efficient agricultural landscape. Authored by a distinguished team of 79 scientists from nine countries, this book comprises 22 rigorously reviewed chapters enriched with 27 tables and 63 color figures. It serves as a definitive resource for researchers, students, agronomists and professionals committed to leveraging nanotechnology for a sustainable agricultural future. .
