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Descrizione fisica	1 online resource (295 p.)
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Principles of Plant-based Vaccines -- Mucosal Immunology and Oral Vaccination -- Viral Vector-based Expression Strategies -- Modalities for Expression of Antigens in Plants: Plastid-based Expression Strategies -- Seed-based Expression Strategies -- Biorreactors for Plant Biomass Production and Bioprocessing -- Influenza -- Neglected Tropical Diseases -- Human Immunodeficiency Virus -- Plant-based Vaccines against Hepatitis B -- Overview of Plant-made Vaccine Antigens against Toxoplasmosis -- Allergen-specific Immunotherapy Using Seed-based Allergy Vaccines Against Pollen Allergens -- Plant-based Vaccines as a Global Vaccination Approach: Current Perspectives.
Sommario/riassunto	Genetically Engineered Plants as a Source of Vaccines Against Wide Spread Diseases: An Integrated View provides an integrated outlook of the disciplines involved in the development of plant-based vaccines as well as an updated compilation of the successful developments in the field. The volume covers immunological aspects of mucosal vaccine design, molecular approaches to attain high levels of the recombinant

antigens, the rationale of using bioreactor to expand plant biomass, and pharmaceutical technology approaches that have been applied to the development of plant-based vaccine formulations. Practical figures and tables are presented to facilitate reading and identification of key points. Perspectives for this field are also discussed. Written by authorities in the field, Genetically Engineered Plants as a Source of Vaccines Against Wide Spread Diseases: An Integrated View is a comprehensive resource for researchers and students interested in plant genetics and breeding, immunology, and genetic engineering.