

1. Record Nr.	UNINA9910639886003321
Titolo	Nutraceuticals and Functional Foods in Immunomodulators // edited by Rajesh K. Kesharwani, Raj K. Keservani, Anil K. Sharma
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-2507-0
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (351 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	571.9645
Soggetti	Immunology Molecular biology Nutrition Cytology Biology Molecular Biology Cell Biology Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Nanotechnology based bacterial immunotherapy -- Chapter 2. Immunomodulatory properties of nutraceuticals and functional foods -- Chapter 3. Immunoregulatory bioactive phytoconstituents- recent trends and future challenges -- Chapter 4. Plant derived immunomodulators and immune system -- Chapter 5. Polyphenols and its effect on immune system -- Chapter 6. Mineral nutraceuticals and immunity enhancement -- Chapter 7. Nutraceuticals as disease preventive food and immunity boosters -- Chapter 8. Current and Future prospects of flavonoids for human Immune system -- Chapter 9. Resveratrol and immunomodulation -- Chapter 10. Immunomodulation impact of curcumin and its derivative as a natural ingredient -- Chapter 11. Colchicine and andrographolide as natural immunomodulators -- Chapter 12. Immune booster property of epigallocatechin-3-gallate and catechin -- Chapter 13. Recent advances of nutraceutical and functional foods in immune health -- Chapter 14. Therapeutic effects of <i>Withania somnifera</i> -an overview with

special focus on Alzheimer's disease and infertility among youth.

#### Sommario/riassunto

This book provides valuable coverage on various immunomodulatory research associated with nutraceutical studies, from plant to animal and marine sources. The book focuses on the various properties of nutraceutical and functional foods, from dietary fibers to fungus, marine sources, ginseng, and several others. Its content is also dedicated to the nutraceutical potential and applications of these modulators. The first section of this book focuses mainly on the recent developments in nutraceutical and functional food associated with various immunomodulators. The next section covers the micronutrients and macronutrients level in order to share important data and help readers gain a basic understanding of the techno-functional, nutraceutical potential and applications of nutritional treatment under specific disease conditions. A detailed overview providing the structural and functional properties related to immunomodulators will be highly beneficial for academics and advanced-level students in immunology, food science, clinical medicine, and life sciences.