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Titolo	Beneficial Microorganisms in Medical and Health Applications / / edited by Min-Tze Liong
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Descrizione fisica	1 online resource (266 p.)
Collana	Microbiology Monographs, , 1862-5576 ; ; 28
Disciplina	579.16
Soggetti	Microbiology Medical microbiology Nutrition Medical research Medical Microbiology Nutrition Quality of Life Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Health effects of pro- & prebiotics – utilization of sophisticated in vitro tools -- In vitro and in vivo inhibition of atopic dermatitis (AD) by a novel probiotic isolate Lactobacillus sakei Probio 65 -- Bifidobacterium for infants: Essence and efficacy -- Roles of omics in targetting microbial health potentials -- Immune modulation by probiotics -- Efficacy of probiotics in prevention of influenza -- Gut commensal microbes and mucosal immune systems -- Production of hepatitis B vaccines by beneficial microorganisms -- Effects of SCFA producing gut microbiota on the epigenetic regulation of inflammation -- Bacteriocin from LAB for medical & health applications -- Gut microbiome & stress.
Sommario/riassunto	This volume is devoted to the application of microorganisms in medical treatment and health protection. Topics discussed include the role of probiotics in immune modulation, in prevention of influenza, and in atopic dermatitis. Further chapters cover aspects such as the relation of the gut microbiome and stress, the immune system, the regulation of

inflammation, the benefits of Bifidobacterium for infants, and bacteriocin in medical applications, as well as the use of in vitro models of the gastrointestinal tract, omics approaches for targeting microbial health potential and the production of hepatitis B vaccines. This volume will be of particular interest to scientists working in the fields of clinical medicine, applied microbiology, pharmacy and public health.