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Descrizione fisica	1 online resource (xxvi, 499 pages) : illustrations (some color)
Collana	Handbook of food bioengineering ; ; volume 11
Disciplina	613.2
Soggetti	Nutrition Medical microbiology Health
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Gut microbes: the miniscule laborers in the human body / Suma Sarojini -- Role of probiotics toward the improvement of gut health with special reference to colorectal cancer / Mian K. Sharif, Sana Mahmood, Fasiha Ahsan -- Therapeutic aspects of probiotics and prebiotics / Asif Ahmad, Sumaira Khalid -- Lactic acid bacteria beverage contribution for preventive medicine and nationwide health problems in Japan / Akira Kanda, Masatoshi Hara -- Gut microbiota alterations in people with obesity and effect of probiotics treatment / Edwin E. Martinez Leo, Armonda M. Martin Ortega, Maira R. Segura Campos -- Safety of probiotics / Dorota Zielinska, Barbara Sionek, Danuta Koozyn-Krajewska -- Flavonoids in foods and their role in healthy nutrition / Silvia Tsanova-Savova, Petko Denev, Fanny Ribarova -- The role of milk oligosaccharides in host-microbial interactions and their defensive function in the gut / Sinead T. Morrin, Jane A. Irwin, Rita M. Hickey -- Nutritional yeast biomass: characterization and application / Monika E. Jach, Anna Serefko -- Effect of diet on gut microbiota as an etiological factor in Autism Spectrum Disorder / Afaf El-Ansary, Hussain Al Dera, Rawan Aldahash -- Dietary fibers: a way to a healthy microbiome / Perna Sharma, Chetna Bhandari, Sandeep Kumar, Bhoomika Sharma, Priyanka Bhadwal, Navneet Agnihotri -- Effects of the gut microbiota on Autism Spectrum Disorder / Nalan H.

Nogay -- Diet, microbiome, and neuropsychiatric disorders / Gabriel A. Javitt, Daniel C. Javitt -- Gastrointestinal exposome for food functionality and safety / Yuseok Moon -- Risk from viral pathogens in seafood / Samanta S. Khora.

Section 1: State of the Art and Applications -- Section 2: Probiotics and Prebiotics -- Section 3: Nutritional Aspects -- Section 4: Health, Disease, and Therapy -- Section 5: Function and Safety.

Sommario/riassunto

Diet, Microbiome and Health, Volume 11, in the Handbook of Food Bioengineering series, presents the most up-to-date research to help scientists, researchers and students in the field of food engineering understand the different microbial species we have in our guts, why they are important to human development, immunity and health, and how to use that understanding to further promote research to create healthy food products. In addition, the book provides studies that clearly demonstrate how dietary preferences and social behavior significantly impact the diversity of microbial species in the gut and their numeric values, which may balance health and disease.--
