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Titolo	Effect of Microbiota on Health and Disease // Hoda El-Sayed, editor
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Descrizione fisica	1 online resource (198 pages)
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Livello bibliografico	Monografia
Nota di contenuto	1. Microbiome -- The Power House of Health and Disease -- 2. Gut Microbiota and Inflammatory Bowel Disease -- 3. Gut Microbiota Potential in Type 2 Diabetes -- 4. Obesity and Gut Microbiota -- 5. The Interaction of Gut Microbiota-brain Axis in Relation to Human Health with the Use of Animal Models -- 6. Could Alterations in the Infant Gut Microbiota Explain the Development of Noncommunicable Diseases from the DOHaD Perspective? -- 7. Probiotics in Processed Dairy Products and Their Role in Gut Microbiota Health.
Sommario/riassunto	This book discusses the effect of microbiota on human health and disease. The microbiome is a complex collection of microorganisms. The microbial community differs across body sites, driven by different environmental conditions, immunological factors, and interactions between microbial species. It is now well known that the microbiome interacts with its host, assisting in the bioconversion of nutrients and detoxification, boosting immunity, and protecting against pathogenic microbes. This book addresses such topics as the pathogenesis and role of microbiota in disease, the relationship of the microbiome with obesity, the interactions of gut microbiota and the brain, and the development of functional foods fortified with probiotic microorganisms.