

A comprehensive book prepared by international experts that reviews the use of immunoregulatory probiotics (immunobiotics) and their bioactive compounds (immunogenics) to prevent and improve different health disorders. Written by leading experts from academia and industry in the fields of Cellular, Molecular, Nutritional Food and Feed Immunology, each chapter provides a critical insight to a particular topic, reviews current research, discusses future perspective and aims to stimulate discussion.

Topics covered include the use of immunobiotics and immunogenics to functionally modulate the mucosal and systemic immune system for improving inflammatory, infectious and atopic diseases. In addition, novel applications of immunobiotics and immunogenics are discussed such as their use in respiratory infections, wound treatment and regulation of the interaction between inflammation and coagulation as well as their effect on hematopoiesis. The benefits of immunobiotics and immunogenics are enormous and should enable the development of novel clinical strategies to improve human and animal health through the appropriate manipulation of the immune system.

This book is an essential reference for all Ph.D. students, medical researchers, veterinary researchers, immunologists, dairy technologists, microbiologists and biotechnologists in the academic and industrial sectors.



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