

Biotechnology of Lactic Acid Bacteria: NOVEL APPLICATIONS

Biotechnology of Lactic Acid Bacteria: Novel Applications represents a broad review of current research on LAB and their novel applications with contributions from a number of well-known leading scientists. The book encompasses a wide range of topics, including both traditional and novel developing fields, and provides unparalleled, comprehensive information on new advances of genomics, proteomics, metabolism and biodiversity of LAB. Chapters contain state-of-the-art discussions of specific LAB applications, such as their use as probiotics, live vaccines and starter cultures in old and new fermented products. The safety of these microorganisms and their interactions with diverse ecosystems natural biota are also covered as well as the new applications of well-known (bacteriocins) and novel (vitamins, low-calorie sugars, etc.) metabolites produced by LAB. *Biotechnology of Lactic Acid Bacteria* promises to be an essential reference for established researchers and scientists, doctoral and post-doctoral students, university professors and instructors, and food technologists working on food microbiology, physiology, and biotechnology of lactic acid bacteria.

SPECIAL FEATURES:

- Analyzes the most active fields of research currently performed on lactic acid bacteria
- Focuses on novel applications of lactic acid bacteria and their metabolites
- Unparalleled, comprehensive information on new advances of genomics, proteomics, metabolism, and biodiversity of lactic acid bacteria
- Specific LAB applications as probiotics, live vaccines and starter cultures in old and new fermented products
- Distinguished international collection of experts serve as editors and authors

Fernanda Mozzi, Ph.D., Raúl R. Raya, Ph.D. and Graciela M. Vignolo, Ph.D. serve as editors for the book. They are colleagues at Centro de Referencia para Lactobacilos (CERELA)-CONICET, Tucumán, Argentina. Drs. Mozzi, Raya and Vignolo are engaged as Scientific Researchers by the National (Argentinean) Council for Scientific and Technological Research (CONICET).