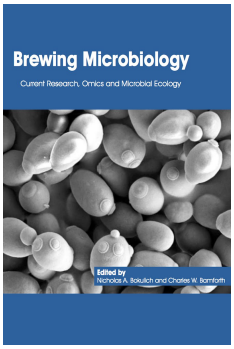
Brewing Microbiology

Current Research, Omics and Microbial Ecology



Edited by: **Nicholas A. Bokulich and Charles W. Bamforth**
Center for Microbial Genetics and Genomics, Northern Arizona University, USA and Department of Food Science and Technology, University of California, Davis, USA; respectively

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Research into brewing yeast and other organisms associated with beer and brewing has experienced many important advances in the past decade, propelled by technological advances in tools fundamental to the investigation of microbes and their metabolism.

This volume surveys the most recent discoveries in brewing microbiology, with an emphasis on omics techniques and other modern technologies. Discoveries in these areas have furthered our knowledge of brewing processes, with practical applications from barley growth and malting to yeast management, strain selection, fermentation control, and quality assurance. The chapters, written by experts in the field, aim not only to illuminate recent progress, but also to discuss its impact on brewing practices. Topics covered include the physiology, fermentation, taxonomy, diversity, typing, genetic manipulation, genomics and evolution of brewing yeasts. Further areas covered include the fungal contamination of barley and malt, spoilage by lactic acid bacteria and gram-negative bacteria, and beer-spoiling yeasts.

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