

# Contents

<b>Preface</b> . . . . .	v
<b>List of Contributors</b> . . . . .	ix
<b>Chapter 1    Molecular Techniques in Food Fermentation: Principles and Applications</b> . . . . .	1
Giorgio Giraffa and Domenico Carminati	
<b>Chapter 2    Dairy Products</b> . . . . .	31
Salvatore Coppola, Giuseppe Blaiotta, and Danilo Ercolini	
<b>Chapter 3    Fermented Meat Products</b> . . . . .	91
Kalliopi Rantsiou and Luca Cocolin	
<b>Chapter 4    Sourdough Fermentations</b> . . . . .	119
Rudi F. Vogel and Matthias A. Ehrmann	
<b>Chapter 5    Vegetable Fermentations</b> . . . . .	145
Hikmate Abriouel, Nabil Ben Omar, Rubén Pérez Pulido, Rosario Lucas López, Elena Ortega, Magdalena Martínez Cañamero, and Antonio Gálvez	
<b>Chapter 6    Wine Fermentation</b> . . . . .	162
David A. Mills, Trevor Phister, Ezekial Neeley, and Eric Johannsen	
<b>Chapter 7    Beer Production</b> . . . . .	193
Giuseppe Comi and Marisa Manzano	
<b>Chapter 8    Other Fermentations</b> . . . . .	208
Christèle Humblot and Jean-Pierre Guyot	

<b>Chapter 9</b>	<b>Probiotics: Lessons Learned from Nucleic Acid-Based Analysis of Bowel Communities . . . . .</b>	<b>225</b>
	Rodrigo Bibiloni, Christophe Lay, and Gerald W. Tannock	
<b>Chapter 10</b>	<b>Bioinformatics for DNA Sequence-based Microbiota Analyses. . . . .</b>	<b>245</b>
	Knut Rudi	
<b>Chapter 11</b>	<b>Role of Bacterial ‘Omics’ in Food Fermentation. . . . .</b>	<b>255</b>
	Monique Zagorec, Stéphanie Chaillou, Marie Christine Champomier-Vergès, and Anne-Marie Crutz – Le Coq	
<b>Index . . . . .</b>		<b>275</b>

Molecular Techniques in the Microbial Ecology of  
Fermented Foods

Cocolin, L.; Ercolini, D. (Eds.)

2008, XII, 280 p., Hardcover

ISBN: 978-0-387-74519-0