

## CONTENTS

---

<b>Preface</b>	<b>ix</b>
<b>Acknowledgments</b>	<b>xiii</b>
<b>Contributors</b>	<b>xv</b>
<b>1. Breeding Noodle Wheat in China</b>	<b>1</b>
<i>Zhonghu He, Xianchun Xia, and Yan Zhang</i>	
<b>2. Breeding for Dual-Purpose Hard White Wheat in the United States: Noodles and Pan Bread</b>	<b>25</b>
<i>Arron H. Carter, Carl A. Walker, and Kimberlee K. Kidwell</i>	
<b>3. Wheat Milling and Flour Quality Analysis for Noodles in Japan</b>	<b>57</b>
<i>Hideki Okusu, Syunsuke Otsubo, and James Dexter</i>	
<b>4. Wheat Milling and Flour Quality Analysis for Noodles in Taiwan</b>	<b>75</b>
<i>C. C. Chen and Shu-ying (Sophia) Yang</i>	
<b>5. Noodle Processing Technology</b>	<b>99</b>
<i>Gary G. Hou, Syunsuke Otsubo, Hideki Okusu, and Lanbin Shen</i>	
<b>6. Instant Noodle Seasonings</b>	<b>141</b>
<i>Kerry Fabrizio, Rajesh Potineni, and Kim Gray</i>	
<b>7. Packaging of Noodle Products</b>	<b>155</b>
<i>Qingyue Ling</i>	
<b>8. Laboratory Pilot-Scale Asian Noodle Manufacturing and Evaluation Protocols</b>	<b>183</b>
<i>Gary G. Hou</i>	
<b>9. Objective Evaluation of Noodles</b>	<b>227</b>
<i>David W. Hatcher</i>	
<b>10. Sensory Evaluation of Noodles</b>	<b>251</b>
<i>Bin Xiao Fu and Linda Malcolmson</i>	

viii CONTENTS

<b>11. Effects of Flour Protein and Starch on Noodle Quality</b>	<b>261</b>
<i>Byung-Kee Baik</i>	
<b>12. Effects of Polyphenol Oxidase on Noodle Color: Mechanisms, Measurement, and Improvement</b>	<b>285</b>
<i>E. Patrick Fuerst, James V. Anderson, and Craig F. Morris</i>	
<b>13. Effects of Flour Characteristics on Noodle Texture</b>	<b>313</b>
<i>Andrew S. Ross and Graham B. Crosbie</i>	
<b>14. Noodle Plant Setup and Resource Management</b>	<b>331</b>
<i>Gary G. Hou, Syunsuke Otsubo, Verónica Jiménez Montaña, and Julio González</i>	
<b>15. Quality Assurance Programs for Instant Noodle Production</b>	<b>363</b>
<i>Sumonrut Kamolchote, Toh Tian Seng, Julio González, and Gary G. Hou</i>	
<b>16. Rice and Starch-Based Noodles</b>	<b>393</b>
<i>Zhan-Hui Lu and Lilia S. Collado</i>	
<b>Index</b>	<b>433</b>