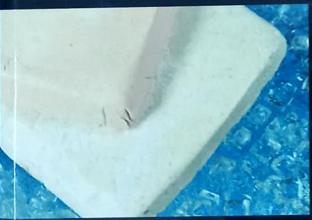
SURIMI and SURIMI SEAFOOD THIRD EDITION









EDITED BY JAE W. PARK



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THIRD EDITION

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Summary: "Surimi and surimi seafood products were originated in Japan several hundred years ago, and their modern production technology has been professionally documented since the 1950s. The book covers the basic science of surimi (fish proteins) and contains updates on fisheries and the market. It reviews a wide range of surimi seafood manufacturing technologies. It discusses quality assessment/quality control, development, and nutrition technology"—Provided by publisher.

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Contents

Editor	ix xi xiii
SECTIO	N I Surimi and Fish Proteins
Chapter 1	Historical Review of Surimi Technology and Market Developments
Chapter 2	Surimi Resources and Market
Chapter 3	Manufacture of Surimi: Harvest to Frozen Block
Chapter 4	Surimi Gelation Chemistry
Chapter 5	Proteolytic Enzymes and Control in Surimi
Chapter 6	Fish Protein Isolate by pH Shift
Chapter 7	Stabilization of Proteins in Surimi
SECTIO	N II Surimi Seafood Products
Chapter 8	Comminution Process for Surimi and Surimi Seafood Paste
Chapter 9	Manufacture of Crabsticks

Chapter 10	Manufacture of Kamaboko, Chikuwa, Tempura, and Hanpen	71
Chapter 11	Manufacture of Fish Balls	35
Chapter 12	Manufacture of Fish Sausage	01
SECTIO	N III Quality Assessment/Control, Development, and Nutrition	
Chapter 13	Waste Management, Utilization, and Challenges	13
Chapter 14	Food-Grade Coproducts from Surimi Processing	11
Chapter 15	Sanitation and HACCP	51
Chapter 16	Microbiology and Pasteurization	75
Chapter 17	Surimi Paste Preparation, Gel Analysis, and Rheology	11
Chapter 18	Ingredient Technology for Surimi and Surimi Seafood	53
Chapter 19	Color Measurement and Colorants for Surimi Seafood)7
Chapter 20	Surimi Scafood Flavors	29
hapter 21	Application of Sensory Science to Surimi Seafood	53

Contents		vii
Chapter 22	Research and Product Development	585
	Tyre C. Lanier and Ganesh Kamath	
Chapter 23	Nutrition and Health Benefits of Surimi Seafood	603
	Taneko Suzuki and Takahide Tsuchiya	
Appendix: 0	Code of Practice for Frozen Surimi	629
Index		637

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THIRD EDITION

Originating in Japan in the twelfth century, surimi is refined fish myofibrillar proteins produced through various processes. The development of the surimi product crabstick in Japan in the 1970s played a major role in globalizing surimi and expanding surimi seafood consumption to the United States, Europe, and Russia. Commercial surimi production has also changed significantly. Surimi and Surimi Seafood, Third Edition covers the resources, production, technology, and nutrition of surimi and surimi seafood. Like the previous editions, this reference serves as a global surimi and surimi seafood industry guide.

Revised and expanded, this new edition adds the most up-to-date information on the science of surimi and surimi seafood, with an increase from 17 to 23 chapters coauthored by 63 scientists and industry leaders. Presenting broader, more in-depth content, highlights include historical reviews of the surimi technology and industry, comminution technology and application, coproduct utilization, and nutrition and health benefits. The text examines topics related to surimi and fish proteins, including gelation chemistry, proteolytic enzymes, and stabilization of proteins.

This edition covers the production of various surimi seafood products: seafood paste, crabsticks, kamaboko, chikuwa, tempura, fish balls, and fish sausage. It discusses quality and production aspects, such as waste management, microbiology and pasteurization, ingredient technology, color measurement and colorants, seafood flavors, and sensory science applications. It also contains a chapter on research and development that can serve as a tool for insights on new product development.



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