

FOOD PRODUCT DEVELOPMENT

Food Product Development Process



Food Product Development

**Howard R. Moskowitz, Sebastiano
Porretta, Matthias Silcher**



Food Product Development:

Food Product Development Richard Earle, Allan Anderson, 2001-10-09 Product development from refining an established product range to developing completely new products is the lifeblood of the food industry. It is however a process fraught with risk often ending in failure. What are the keys to making the process a success? Based on a wealth of experience gathered over 40 years, *Food Product Development* provides the answers. After an introductory chapter, the first half of the book considers the four core elements of product development: the overall business strategy which directs product development, the various steps in the product development process itself, the knowledge required to fuel the process, and last but not least, keeping product development focused on consumer needs and aspirations. The second part of the book looks at managing the product development process in practice with four case studies of successful product launches. It also discusses how to evaluate and improve the process to make future product innovation more successful. Filled with examples and practical suggestions and written by a distinguished team with unrivalled academic and industry expertise, *Food Product Development* will be an essential guide for R D and product development staff and all managers concerned with this key issue throughout the food industry. Mary D Earle and Richard L Earle are both Professors Emeritus in Massey University, New Zealand. Mary Earle is a pioneer in product development research and both she and her husband have worked with industry on numerous product development projects. Allan M Anderson is Chief Executive of the New Zealand Dairy Research Institute, the central R D organisation for the New Zealand dairy industry and has extensive experience of managing successful product development projects.

New Food Product Development Holger York Toschka, 2025-03-31 With a new subtitle to reflect its global perspective and a new author, this book continues the mission of earlier editions to describe the stages of food development in detail, beginning with sources of ideas and moving through development, final screening, and introduction into the marketplace. Every chapter contains one or more case studies. New chapters address the tools available for the food industry and manufacturers to select, sharpen, fine tune, and support new food product launches. More attention is given to the influence of global concerns about the deteriorating environment and here particularly the role and responsibility of the food industry and those working on new food products.

Key Features: This edition adds the perspective from single product or product range development to the overall portfolio management. This edition explains strategies for successful management of unpredictable, uncertain, and complex conditions in new food product development. NFPD Chapters contain one or more case studies to add pedagogy for students and practical applications for professionals. More focus is given to the role and responsibilities of research and development R D in innovation management. Two chapters are used to predict the future direction for NFPD. This book can serve as the core textbook for the capstone new food product development course typically found in the food science curriculum and is of equal value to early career food scientists finding themselves in a multidisciplinary team working on the creation of a new food product.

Food Product Development: From Concept to

the Marketplace I. Sam Saguy, Ernst Graf, 1990-10-31 Food Product Development presents in depth how to guidance to successful food product development Drawing on the practical experience of 19 industry experts the book presents a broad overview of practical aspects of industrial food R D today In addition it details how to control the many facets of food product development and successfully integrate the work of professionals from many diverse areas *Fundamentals of New Food Product Development* Robert C. Baker, Patricia Wong Hahn, Kelly Roy Robbins, 1988-01-01 Development of new food products is an extremely broad area involving chemistry biochemistry nutrition microbiology marketing law economics food science and business The authors aim is to provide the reader with comprehensive background information by introducing the elements that must be understood to bring a successful food product to the market These elements include food constituents and functionality ingredient functions and selection organoleptic principles and evaluation quality control and quality assurance preservation packaging marketing trademarks patents and labels regulatory aspects of food processing and nutritional aspects In addition examples of new products developed at Cornell University are discussed and formulas and procedures are described Finally future trends in the food industry are considered This book is directed at those involved in the commercial processing of food and food products and who are active in the field of new product development or who may be considering a venture into this complex activity It is also intended for college and university food science or food technology students a large percentage of whom will become involved with product development in their professional careers

Accelerating New Food Product Design and Development Jacqueline H. Beckley, Leslie J. Herzog, M. Michele Foley, 2017-07-26 Written primarily for directors and managers of food design and development food scientists technologists and product developers this book explains all the necessary information in order to help meet the increasing demands for innovation in an industry that is providing fewer resources This updated edition by a group of seasoned food industry business professionals and academics provides a real world perspective of what is occurring in the food industry right now offers strategic frameworks for problem solving and R D strategies and presents methods needed to accelerate and optimize new product development *Accelerating New Food Product Design and Development Second Edition* features five brand new chapters covering all the changes that have occurred within the last decade A Flavor Supplier Perspective An Ingredient Supplier Perspective Applying Processes that Accelerate New Product Development Looking at How the University Prepares Someone for a Career in Food and Innovative Packaging and Its Impact on Accelerated Product Development Offers new perspectives on what really goes on during the development process Includes updated chapters fully describing the changes that have occurred in the food industry both from a developer's point of view as well as the consumer requirements Features a completely rewritten chapter covering the importance of packaging which is enhanced through 3D printing All of this against the impact on speed to market Filled with unique viewpoints of the business from those who really know and a plethora of new information *Accelerating New Food Product Design and Development Second Edition* will be of great interest

to all professionals engaged in new food product design and development Methods for Developing New Food Products Fadi Aramouni, Kathryn Deschenes, 2017-07-24 Updated and expanded with new materials and chapter guidance documents Food Safety Modernization Act FSMA requirements FDA labeling calculations and more Practical information for product development personnel on ideation sessions reverse engineering test panels cost analysis from concept to store shelf Connects marketing concepts prototyping processing and regulation Designed for university courses and company training

Case Studies in Food Product Development M Earle, R Earle, 2007-12-18 New product development is vital for the future of the food industry Many books have been written on NPD theory over the last 40 years but much can still be learnt by studying actual experiences of NPD Case studies in food product development describes specific NPD projects in a variety of industries internationally and also records overall comments written by the very people who have completed the projects Part one outlines new product development in the food industry and part two views product development strategy and management in different companies and organisations Parts three four and five are twelve case studies on respectively the product development process technological development consumer and market research Part six considers product development in practice and the final chapter demonstrates how product developers are being educated The case studies are written by experienced product developers talking openly about experiences with their own products It is hoped that those faced with similar challenges will gain from these real life experiences Mary and Dick are also co authors with Allan Anderson of Food product development which has achieved international success Case studies in food product development is a complement and a practical companion to this book Describes new product development in a variety of international industries Outlines new product development in the food industry and views product management and strategy in different organisations Includes case studies focusing on the product development process technological development and consumer and market research Developing New Food Products for a Changing Marketplace Aaron L. Brody, John B.

Lord, 2007-11-05 Written by world class authorities this volume discusses formulation sensory and consumer testing package design commercial production and product launch and marketing Offering the same caliber of information that made the widely adopted first edition so popular the second edition introduces new concepts in staffing identifying and measuring consumer desires engineering scale up from the kitchen lab or pilot plant and generating product concepts Applying insights from real life experience contributors probe the retail environment covering optimization sensory analysis package design and the increasingly important role of the research chef or culinologist in providing the basic recipe An Integrated Approach to New Food Product Development Howard R. Moskowitz, I. Sam Saguy, Tim Straus, 2009-06-24 Today's rapidly evolving consumer frequently changes eating habits tastes and diet Therefore to secure financial solvency food and beverage companies must continually define develop and market new products This comprehensive volume integrates all aspects of the physical food and beverage product development cycle and provides perspectives on how to optimize each component of the

new product equation in the food industry It discusses both the technical and the marketing sides emphasizing the necessity for a combined focus of both the product process and the people market The inclusion of case studies makes the book suitable for a classroom text or a professional reference

Food Product Development Richard Earle, Allan Anderson, 2010-07-20 Product development from refining an established product range to developing completely new products is the lifeblood of the food industry It is however a process fraught with risk often ending in failure What are the keys to making the process a success Based on a wealth of experience gathered over 40 years Food Product Development provides the answers After an introductory chapter the first half of the book considers the four core elements of product development the overall business strategy which directs product development the various steps in the product development process itself the knowledge required to fuel the process and last but not least keeping product development focused on consumer needs and aspirations The second part of the book looks at managing the product development process in practice with four case studies of successful product launches It also discusses how to evaluate and improve the process to make future product innovation more successful Filled with examples and practical suggestions and written by a distinguished team with unrivalled academic and industry expertise Food Product Development will be an essential guide for R D and product development staff and all managers concerned with this key issue throughout the food industry Mary D Earle and Richard L Earle are both Professors Emeritus in Massey University New Zealand Mary Earle is a pioneer in product development research and both she and her husband have worked with industry on numerous product development projects Allan M Anderson is Chief Executive of the New Zealand Dairy Research Institute the central R D organisation for the New Zealand dairy industry and has extensive experience of managing successful product development projects

Consumer-Led Food Product Development Hal MacFie, 2007-06-30 Consumer acceptance is the key to successful food products It is vital therefore that product development strategies are consumer led for food products to be well received Consumer led food product development presents an up to date review of the latest scientific research and methods in this important area Part one gives the reader a general introduction to factors affecting consumer food choice Chapters explore issues such as sensory perception culture ethics attitudes towards innovation and psychobiological mechanisms Part two analyses methods to understand consumers food related attitudes and how these methods can be effectively used covering techniques such as means end chains and the food related lifestyle approach The final part of the book addresses a wide variety of methods used for consumer led product development Opportunity identification concept development difference testing and preference trials are discussed as well as the use of techniques such as just about right scales and partial least squares methods Written by an array of international experts Consumer led food product development is an essential reference for product developers in the food industry Introduces the factors affecting consumer food choice Explores issues such as sensory perception culture and ethics Analyses methods to understand food related attitudes

New Food Product

Development Gordon W. Fuller, 2004 This new edition of a best selling text in food product development provides a comprehensive overview of the new food product development process Stages of development are described in detail beginning with sources of ideas then moving through development final screening and introduction into the marketplace With extensive experience in new food product development the author outlines ways a company can organize for new product development and utilize available resources He focuses on the roles functions and interactions of the members of the food product development team as well as other company departments and outside resources in the food product development process Provided by publisher

Fundamentals of New Food Product Development Robert C. Baker, Kelly R. Robbins, Patricia Wong Hahn, 1994

Food Product Development E. Graf, I. Saguy, 1990-12-15 Numerous textbooks treat various aspects of food chemistry and engineering yet little information is available on the process of industrial food research and development Currently no textbooks of academic courses cover the broad area of product development This void keeps even the most qualified person from reaching an informed decision about a career in this field This book is intended to introduce the food industry novice to the diverse facets of the profession and to serve as a useful monograph for the expert by portraying the wide scope of R D in an industry that is market driven and highly vulnerable to demographic fluctuations Food industry experts from diverse disciplines provide a broad overview of the numerous aspects of successful food research and development from consumer trend analysis to commercialization The book also highlights some of the activities and skill requirements that are unique to an industrial food research career We wish to express our sincere gratitude to all of the book's contributors who have made its publication possible

Economics of New Food Product Development Norman W. Desrosier, John N. Desrosier, 1971

Concept Research in Food Product Design and Development Howard R. Moskowitz, Sebastiano Porretta, Matthias Silcher, 2008-02-28 Concepts are critical for the development and marketing of products and services They constitute the blueprint for these products and services albeit at the level of consumers rather than at the technical level A good product concept can help make the product a success by guiding developers and advertising in the right direction Yet there is a dearth of both practical and scientific information about how to create and evaluate concepts There has been little or no focus on establishing knowledge bases for concepts Concept development is too often relegated to the so called fuzzy front end Concept Research in Food Product Design and Development remedies this inattention to product concepts by providing a unique treatment of concepts for the business professional as well as for research scientists The book begins with simple principles of concepts moves forward to methods for testing concepts and then on to more substantive areas such as establishing validity testing internationally and with children creating databases and selling in new methods for concept testing The book combines a how to business book with a detailed treatment of the different facets of concept research As such the book represents a unique contribution to business applications in food and consumer research methods The book is positioned specifically for foods to maintain a focus on a coherent set of topics

Concept Research in Food Product Design and Development appeals to a wide variety of audiences R D marketing sensory analysts and universities alike Corporate R D professionals will learn how to create strong concepts Marketers will recognize how concepts are at the heart of their business Sensory analysts will find the book a natural extension of their interest in product features University students will understand how concept research is a critical part of the consumer connection Concept Research in Food Product Design and Development is the definitive innovative text in describing how to create analyze and capitalize upon new product concepts **Food Product Development** Catherine Side,2002-10-07 Improve your product development success ratio This IFT Basic Symposium is the collective work of a team of seasoned food industry consultants whose experiences and observations provide a how to guide of successful product and process development Their information packed presentations will deepen and broaden the food technologists knowledge of food product development to the sphere beyond the laboratory Authors address the following key components of product development Managing the Product Development Process Consumer Market Research Making It Happen Cost Pricing A case study and several short case history lessons illuminate product development from perspectives that include consumer and marketing needs manufacturing ramifications communication issues food safety systems shelf life techniques and distribution elements

Products and Process Innovation in the Food Industry Bruce Traill,Klaus Günter Grunert,1997-05-31 Innovation in new product development is a key factor in determining the success of a food company yet the area is fraught with risk with failure rates in excess of 90% being common Using a series of 12 European cases studies this book examines the innovation process from agriculture through to retailer Each example highlights a different aspect of innovation and the lessons that can be learned from experience It considers the important role that marketing as well as technical aspects play in the process

Guidelines for Sensory Analysis in Food Product Development and Quality Control Roland P. Carpenter,David H. Lyon,Terry A. Hasdell,2012-12-06 Sensory testing has been in existence ever since man started to use his senses to judge the quality and safety of drinking water and foodstuffs With the onset of trading there were several developments that led to more formalized testing involving professional tasters and grading systems Many of these grading systems are still in existence today and continue to serve a useful purpose for example in assessing tea coffee and wines However there has also been a growing need for methods for well replicated objective unbiased sensory assessment which can be applied routinely across a wide range of foods Sensory analysis seeks to satisfy this need Sensory analysis is not new to the food industry but its application as a basic tool in food product development and quality control has not always been given the recognition and acceptance it deserves This we believe is largely due to the lack of understanding about what sensory analysis can offer in product research development and marketing and a fear that the discipline is too scientific to be practical To some extent sensory scientists have perpetuated this fear by failing to recognize the industrial constraints to implementing sensory testing procedures These Guidelines are an attempt to redress the balance Handbook of Food Products Manufacturing, 2

Volume Set Nirmal K. Sinha, 2007-04-27 The Handbook of Food Products Manufacturing is a definitive master reference providing an overview of food manufacturing in general and then covering the processing and manufacturing of more than 100 of the most common food products With editors and contributors from 24 countries in North America Europe and Asia this guide provides international expertise and a truly global perspective on food manufacturing

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