

empirically and by trial and error, not by an understanding of the underlying science, developed almost all confectionery products. An exception to this is the development of products resembling sugar confectionery but free of sugar, where more scientific efforts have been required. Sugar confectionery also has a link with the pharmaceutical industry; in the making of sugar tablets and applying panned sugar coatings.

The Science of Sugar Confectionery deals with the background science of sugar confectionery. Remarkably the front cover depicts sweets products which come from just one particular manufacturer. The book contains 17 chapters, starting with an introduction covering some basic definitions and commonly used ingredients, followed by several chapters on emulsifiers, colours and flavours. Subsequent chapters give detailed information on various types of sugar confectionery, which include boiled sweets, grained sugar products, pan coating, toffees and caramels, gums, gelled products, liquorice, chewing gums, aerated products and lozenges. The book concludes with chapters covering tableting and experiments to make various types of sugar confectionery, and information on sugar-free confectionery.

The Science of Sugar Confectionery is an interesting and clearly written book, aimed for everyone attracted to the science behind sugar confectionery. Simple recipes are included in the text, enabling the readers to make some of their own sugar confectionery. The book also provides numerous illustrations and examples of manufacturing methods, however, it is not intended as a manual of methods.

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Trends in Food Product Engineering

J.E. Lozano, C. Añón, E. Parada-Arias & G. V. Barbosa-Cánovas (Eds.), Technomic Publishing Co. Inc., Lancaster (PA), 2000, 372pp £96.00, ISBN 1-56676-991-4

Food processing is becoming more and more sophisticated and diverse with the ever-increasing demand for

quality foods. Today's customer expects convenience, variety, adequate shelf life and reasonable cost among a host of requirements. To meet these demands strategies are continuously being developed: these include modifications to existing food processing techniques and the implementation of novel processing technologies. Food engineering is rapidly gaining worldwide recognition as an important facet of food and engineering-related programmes both in academia and in the food industry.

Trends in Food Engineering presents an assembly of edited technical papers based on invited and volunteered contributions from the 2nd Ibero-American Congress on Food Engineering held at the Universidad Nacional del Sur, Bahia Blanca, Argentina from 24–27 March 1998. The book is divided into three sections. The first deals with physical and sensory properties of food and covers structure-property relationships, rheology and correlations between physicochemical and sensory data. The second part concentrates on advances in food processing, including the latest developments in minimal preservation and non-thermal processing. The final part examines state-of-the-art topics such as applied biotechnology, food additives and properties of proteins.

This book is well structured and presented, with comprehensive sets of references at the end of each contribution. It is highly recommended as an invaluable, broad vision of state-of-the-art food engineering for food engineers, technologists and scientists wishing to consolidate and update their knowledge in areas vital to the food industry today.

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High-fiber ingredients

Amy L. Nelson, Eagan Press, St Paul, Minnesota, 2000, vi + 97 pp., \$69.00, ISBN 0-891127-23-3

Fibre is an important part of diet and nutrition, however,