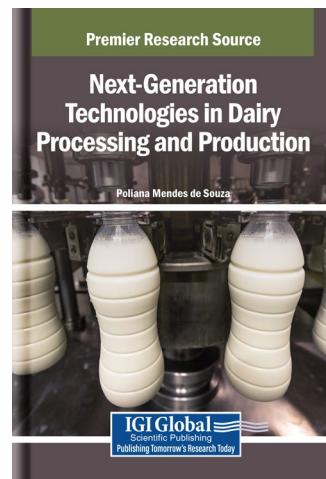


Next-Generation Technologies in Dairy Processing and Production

Poliana Mendes de Souza (University Mohammed VI Polytechnic, Morocco)



Description:

Next-generation technologies revolutionize dairy processing and production, creating a new era of efficiency, sustainability, and innovation. From advanced automation and precision fermentation to Internet of Things (IoT) integration and data-driven quality control, these solutions transform the dairy value chain. As consumers demand more high quality, safe, and more sustainably produced dairy products, the industry embraces smart technologies that enhance productivity while minimizing environmental impact. This technological evolution may improve profitability for producers and pave the way for a more resilient and forward-thinking dairy sector.

Next-Generation Technologies in Dairy Processing and Production explores the latest technological advancements transforming the dairy industry. It examines how these cutting-edge technologies are used to enhance milk production, processing, preservation, and quality, with a special focus on improving efficiency, sustainability, and product diversity. This book covers topics such as waste reduction, dairy processing, and sensors and monitoring, and is a useful resource for business owners, engineers, agriculturalists, academicians, researchers, and scientists.

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