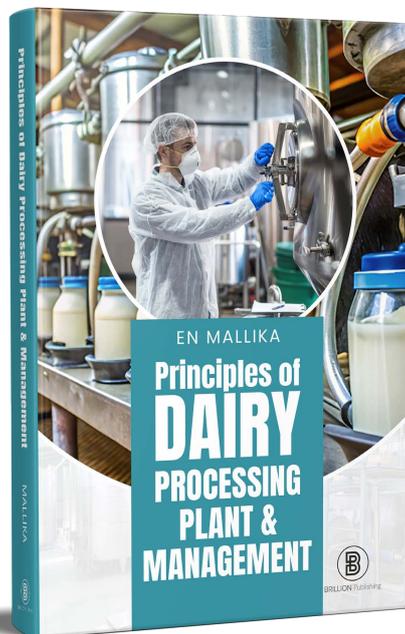




Principles of Dairy Processing Plant & Management



Principles of Dairy Processing Plant & Management is a comprehensive and practice-oriented text that systematically presents the fundamental concepts, technological advances, and managerial aspects of modern dairy processing. The book is designed to bridge the gap between theoretical knowledge and practical application in dairy plant design, operation, quality assurance, and regulatory compliance.

Beginning with the fundamentals of dairy plant design and site selection, the book explains the scientific, engineering, and hygienic principles essential for efficient and safe milk processing. It provides detailed coverage of dairy plant setup, processing operations, equipment principles, automation, milk procurement systems, and quality evaluation of raw and processed milk. Special emphasis is given to food safety concepts such as HACCP, FSSAI regulations, hygiene management, and export compliance.

The book also addresses contemporary issues including milk fortification, innovations in dairy processing, market survey and demand analysis, farmer producer organizations (FPOs), and the role of various stakeholders in the milk value chain. Dedicated chapters on project formulation, government schemes, and village-level dairy entrepreneurship make this book highly relevant to India's evolving dairy sector.

Written in a clear, structured, and student-friendly manner, the book serves as an essential reference for undergraduate and postgraduate students of Dairy Technology, Food Technology, Veterinary Science, and Agricultural Engineering. It is equally useful for dairy entrepreneurs, plant managers, quality control personnel, extension professionals, and researchers seeking practical insights into efficient and sustainable dairy processing.

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