1. Record Nr. UNISA996213220203316 Fermented milks [[electronic resource] /] / edited by Adnan Tamime Titolo Oxford: Ames, Iowa, : Blackwell Science/SDT, 2006 Pubbl/distr/stampa **ISBN** 1-280-74291-7 9786610742912 0-470-79004-0 0-470-99550-5 1-4051-7238-X Descrizione fisica 1 online resource (286 p.) Society of Dairy Technology series Collana TamimeA. Y Altri autori (Persone) 637 Disciplina 637.1476 Soggetti Fermented milk Cultured milk Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Fermented Milks; Contents; Preface to Technical Series; Preface; Contributors; 1 Types of Fermented Milks; 1.1 Background; 1.2 Evolution of the process; 1.3 Diversity of fermented milks; 1.4 Patterns of consumption: 1.5 Manufacture of fermented milks: 1.6 Conclusion: References; 2 Starter Cultures; 2.1 Introduction; 2.2 Types and nomenclature of the starter organisms; 2.2.1 Traditional lactic acid bacteria; 2.2.2 Non-traditional microflora; 2.2.3 Yeasts and moulds; 2.3 Partial characterisation of the starter microflora; 2.3.1 Carbohydrate metabolism; Fermentation pathways Sugar transportation and hydrolysisGeneration of energy; 2.3.2 Citrate metabolism; 2.3.3 Formation of acetate, formate, acetaldehyde and ethanol; Pyruvate dehydrogenase complex; Pyruvate formate lyase; Acetolactate formation; Acetoin and diacetyl formation; 2.3.4 Production of exopolysaccharides; Structure and characterisation; Chemical composition and biosynthesis; Influence of exopolysaccharides on texture; Role of exopolysaccharides in the microstructure of the gel; 2.3.5 Bacteriocins; Classification of

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Sommario/riassunto

Highly profitable and an important range of products within the dairy industry worldwide, the economic importance of fermented milks continues to grow. Technological developments have led to a wider range of products and increased popularity with consumers. In the second book to feature in the SDT series Fermented Milks reviews the properties and manufacturing methods associated with products such as yoghurt, buttermilk, kefir, koumiss milk-based fermented beverages and many other examples from around the globe, offering the reader: A practically-oriented and