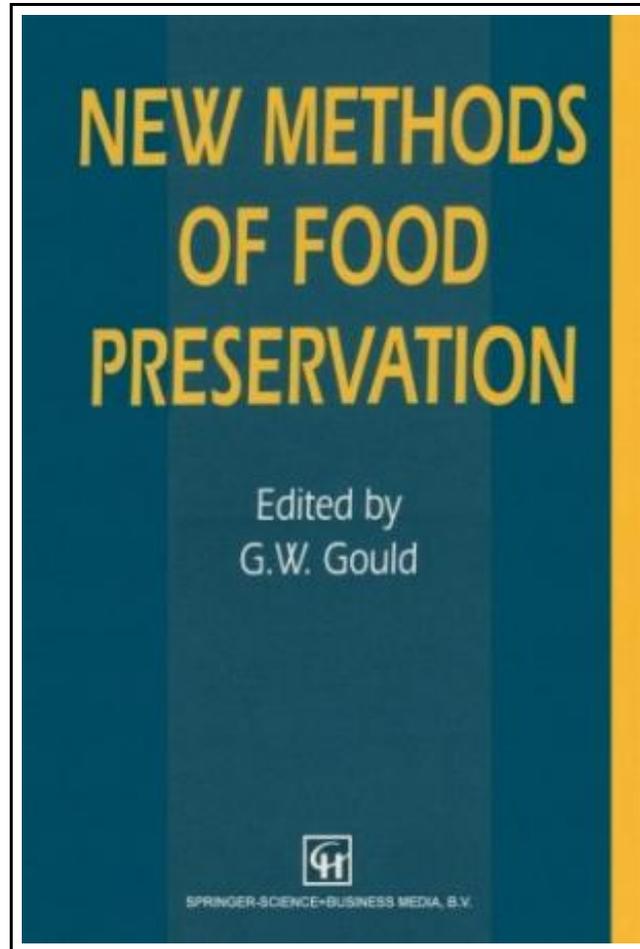


New Methods of Food Preservation



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Reviews

*Extremely helpful to all type of folks. It is among the most awesome pdf i actually have study. I found out this pdf from my dad and i recommended this pdf to discover.
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NEW METHODS OF FOOD PRESERVATION



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Book Condition: New. Publisher/Verlag: Springer, Berlin | The major techniques employed for food preservation have a long history of use. They include chilling; freezing; drying; curing; canning; fermenting or otherwise acidifying; the addition of preservatives; heat pasteurisation and sterilisation. Newer techniques more or less derived from these traditional procedures include the successful application of combined preservation or 'hurdle' methods, vacuum- and modified atmosphere packaging, and continuous sterilisation coupled to aseptic packaging. More innovative techniques, such as the use of ionising radiation, are increasingly being employed. At the same time, there is a reawakening of interest in even more radical approaches. The reasons for this derive principally from consumers' requirements for foods that are higher in quality, so less severely processed; more natural, so less heavily preserved; nutritionally healthier, so containing less salts, sugars and fats; and, with respect to food poisoning, with retained, or preferably improved, assurance of safety. | 1 Principles and applications of hurdle technology.- 1.1 Introduction.- 1.2 Examples of the hurdle effect.- 1.2.1 Fermented foods.- 1.2.2 Shelf stable products (SSP).- 1.2.3 Intermediate moisture foods (IMF).- 1.3 Behaviour of microorganisms during food preservation.- 1.3.1 Homeostasis of microorganisms.- 1.3.2 Multi-target preservation of foods.- 1.3.3 Stress reactions and metabolic exhaustion.- 1.4 Total quality of foods.- 1.4.1 Optimal range of hurdles.- 1.4.2 Potential safety and quality hurdles.- 1.4.3 User guide to food design.- 1.5 Application of hurdle technology in less developed countries.- 1.5.1 Fruits of Latin America.- 1.5.2 Dairy product of India.- 1.5.3 Meat products of China.- 1.6 Future potential.- References.- 2 Bacteriocins: natural antimicrobials from microorganisms.- 2.1 Introduction.- 2.1.1 Historical.- 2.2 Bacteriocin structure and function.- 2.2.1 Lantibiotics.- 2.2.2 Small heat-stable bacteriocins.- 2.2.3 Large heat-labile bacteriocins.- 2.3 Genetics of bacteriocins from LAB.- 2.3.1 Genetic organization of bacteriocin operons.- 2.3.2 Genetic location of bacteriocin genes.- 2.4 Application of bacteriocins in food systems.-...



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