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Nota di contenuto

Applications and Systematics of *Bacillus* and Relatives; Contents; List of Contributors; Foreword; 1 Whither *Bacillus*?; 2 From Phylogeny to Systematics: the dissection of the genus *Bacillus*; 3 Longstanding Taxonomic Enigmas within the 'Bacillus cereus group' are on the Verge of being Resolved by Far-reaching Molecular Developments: forecasts on the possible outcome by an ad hoc team; 4 *Bacillus cereus* and Food Poisoning; 5 Thermophilic *Bacillus* Isolates from Antarctic Environments; 6 Bacilli Associated with Spoilage in Dairy Products and Other Food

7 Moderately Halophilic and Halotolerant Species of *Bacillus* and Related Genera8 *Bacillus* Identification - Traditional Approaches; 9 Modern Methods for Identification; 10 Nucleic Acid Analysis and SDS-PAGE of Whole-cell Proteins in *Bacillus* Taxonomy; 11 *Bacillus thuringiensis* Insecticides; 12 Bt Crops: a novel insect control tool; 13 *Bacillus sphaericus* and its Insecticidal Toxins; 14 The Importance of *Bacillus* Species in the Production of Industrial Enzymes; 15 Plant Growth Promotion by *Bacillus* and Relatives; 16 Insertion Sequence Elements and Transposons in *Bacillus*

17 Fingerprint Spectrometry Methods in *Bacillus* Systematics18 Whole-cell Fatty Acid Analysis in the Systematics of *Bacillus* and Related Genera; 19 Some Concluding Observations; Index

Sommario/riassunto

Inspired by the pace of change in the taxonomy of the aerobic endospore-forming bacteria, the ""*Bacillus 2000*"" symposium on which this book is based was held in Bruges, Belgium, in August 2000, and was supported by the Federation of European Microbiological Societies, the Belgian Society for Microbiology, and several commercial sponsors. Bringing taxonomists interested in *Bacillus* and its relatives together with people who work with these organisms in medicine, agriculture, and industry, allowed those attending to appreciate the overlaps and interactions of their areas of expertise, in the ab