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Editor

Safety of Meat and Processed Meat

 Springer

Preface

The main goal of this book is to provide the reader with the recent developments in the safety of meat and processed meat, from the abattoir along the full processing chain till the final product.

To achieve this goal, the proposal uses five approaches. The first part deals with the main biological contaminants like pathogenic microorganisms, specially *E. coli* and *L. monocytogenes* and toxins, meat spoilage and BSE material that can be present in either meat or its derived products. The second part is focused on main technologies for meat decontamination as well as other developments like active packaging or bioprotective cultures to extend the shelf life. The third part is presenting non-biological contaminants and residues in meat and meat products including nitrosamines, PAH, veterinary drugs and environmental compounds. The fourth part deals with current methodologies for the detection of spoilage and pathogen microorganisms, prions and GMOs, and the final part deals with predictive models, risk assessment, regulations on meat safety and other recent trends in the field.

This book, which is written by distinguished international contributors from 18 countries with solid experience and reputation, brings together all the advances in such varied and different safety approaches related to meat. I thank the production team at Springer and wish to express my gratitude to Susan Safren (editor) and David Parsons (editorial assistant) for their kind assistance to this book.

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