

Developing smart agri-food supply chains

Using technology to improve safety and quality

Edited by Professor Louise Manning
Royal Agricultural University, UK



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Description:

The safety of agri-food supply chains remains under constant threat from risks such as food adulteration, malicious contamination, microbiological and chemical hazards, as well as the presence of foreign bodies in food products.

Developing smart agri-food supply chains: Using technology to improve safety and quality provides an authoritative assessment of recent developments to improve safety and quality at key points in the agri-food supply chain. This collection provides a comprehensive coverage of the methods used in tracking and traceability (including detecting genetically-modified organisms in food products), ways of assessing product integrity, dealing with malicious contamination as well as quality assessment and ensuring transparency in supply chains.

Edited by **Professor Louise Manning**, Royal Agricultural University, UK, *Developing smart agri-food supply chains: Using technology to improve safety and quality* will be a standard reference for those researching food safety, agri-food logistics and supply chains in universities or other research centres, as well as government and commercial agencies responsible for safety and quality monitoring of agri-food supply chains. It will also be a key reference for supply chain actors, from farmers to food processors and retailers.

Key features:

- Highlights current issues that challenge the safety of agri-food supply chains (e.g. food adulteration, malicious contamination)
- Assesses the recent developments implemented to improve safety and quality at all levels of the agri-food supply chain, including the use of smart agri-food systems
- Emphasis on the need for improved tracking and traceability systems of food products to prevent and manage potential threats to safety

Audience:

Researchers working in food safety in universities or other research centres, government and private agencies regulating threats to the agri-food supply chain, food processors and retailers/suppliers

Editor details:

Dr Louise Manning is Professor of Agri-Food and Supply Chain Security at the Royal Agricultural University, UK. With over 30 years of experience in both industry and research, Professor Manning is internationally-renowned for her work on food safety and quality, food integrity and food crime. She is an Associate Editor for the *British Food Journal*, a Fellow of the Institute of Food Science and Technology and is a member of the Board of Trustees for Rothamsted Research.

Table of contents:

Part 1 Tracking and traceability

1. Advances in traceability systems in agri-food supply chains: *Samantha Islam, University of Cambridge, UK; Louise Manning, Royal Agricultural University, UK; and Jonathan M. Cullen, University of Cambridge, UK*
2. Advances in fingerprint and rapid methods for improved traceability in agri-food supply chains: *Daniel Cozzolino, Heather E. Smyth and Yasmina Sultanbawa, ARC Industrial Transformation Training Centre for Uniquely Australian Foods and Centre for Nutrition and Food Sciences, Queensland Alliance for Agriculture and Food Innovation, The University of Queensland, Australia*
3. Advances in identifying GM plants: current frame of the detection of transgenic GMOs: *Yves Bertheau, INRA Honorary Directeur de recherche, Honorary Scientist at Centre d'Ecologie et des Sciences de la Conservation (CESCO), Muséum national d'Histoire naturelle, Centre National de la Recherche Scientifique, Sorbonne Université, France*
4. Advances in identifying GM plants: toward the routine detection of 'hidden' and 'new' GMOs: *Yves Bertheau, INRA Honorary Directeur de recherche, Honorary Scientist at Centre d'Ecologie et des Sciences de la Conservation (CESCO), Muséum national d'Histoire naturelle, Centre National de la Recherche Scientifique, Sorbonne Université, France;*

Part 2 Product integrity and malicious contamination

5. Foodomics: Advances in product testing in agri-food supply chains: *Louise Manning, Royal Agricultural University, UK;*
6. Key challenges and developments in non-targeted methods or systems to identify food adulteration: *Sara Erasmus and Saskia van Ruth, Wageningen University & Research, The Netherlands*
7. Advances in identifying and tracking malicious contamination of food in agri-food supply chains: *Marta Marmiroli, University of Parma, Italy; and Jason C. White, The Connecticut Agricultural Experiment Station, USA*
8. The role of technology in crisis management and product recall in food supply chains: *Louise Manning, Royal Agricultural University, UK; and Aleksandra Kowalska, Maria Curie-Skłodowska University, Poland*

Part 3 Safety, quality and smart systems

9. Sampling and statistics in assessment of fresh produce: *K. B. Walsh, Central Queensland University, Australia; and V. A. McGlone and M. Wohlers, The New Zealand Institute for Plant and Food Research Limited, New Zealand*
10. Developing decision support systems for crop yield forecasts: *Lin Liu, University of Minnesota - Twin Cities, USA; and Bruno Basso, Michigan State University, USA*
11. Smart post-harvest technology to maintain quality and safety in fresh produce supply chains: *James Monaghan, Harper Adams University, UK*
12. Advances in techniques for identifying and tracking foreign bodies in agri-food supply chains: *Ilija Djekic, University of Belgrade, Serbia*
13. The use of internet of things (IoT) technology to improve transparency in agri-food supply chains: *Rounaq Nayak, Harper Adams University, UK*
14. Drivers of farmers' usage of digital marketplace platform: evidence from India: *Arpita Agnihotri, Penn State Harrisburg, USA; and Saurabh Bhattacharya, Newcastle University Business School, UK*

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