Irradiation for Food Safety and Quality

Editors: **Paisan Loaharanu**, Head, Food and Environmental Protection Section, Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture; **Paul Thomas**, Consultant, International Consultative Group on Food Irradiation (ICGFI), Food and Environmental Protection Section, Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture

- Recent global developments in food irradiation technology for food preservation, safety, and quality
- Twenty in-depth reports by leading worldwide experts
- Illustrated by more than 70 charts, graphs, tables, and photographs
- Environmentally-friendly and effective measures for eliminating pathogenic bacteria and parasites
- Regulatory aspects, security and international trade, marketing and consumer acceptance, and economics of food irradiation examined

Food irradiation is increasingly recognized and applied worldwide as a proven and effective method of food preservation, as well as for improvement of food safety and quality. The International Conference on Ensuring the Safety and Quality of Food through Radiation Processing convened for reviewing the achievements of food irradiation in the 20th Century, and to assess the role of irradiation in ensuring the safety and quality of food to meet the increasingly strict standards for global trade in the 21st Century.

This new book presents the complete texts of all twenty reports from the conference. Examined are applications of the technology in produce, animal products, and prepared foods, the economics of various irradiation technologies, international regulations, the marketing of irradiated products to consumers and retail outlets, and irradiation’s implications for the global trade in food and agricultural commodities. Also included is new information on the scientific, regulatory, and consumer acceptance status of food irradiation and the role this technology will play in the 21st century.

The new information in this book will be useful to all those involved in the processing, preservation, and distribution of food, as well as food industry managers and regulatory personnel. To receive your copy promptly, please order now. Information on ordering follows the complete table of contents.

Conference Sponsors and Speakers
This conference was sponsored by three U.N. Agencies: IAEA (International Atomic Energy Agency), FAO (Food and Agriculture Organization), and the WHO (World Health Organization). All authors are leading experts in aspects of food irradiation.
From the editor’s foreword

“Significant developments on the acceptance and application of food irradiation as a method to ensure food safety and quality and to facilitate food trade have occurred in recent years. Regulations on food irradiation in many countries either have been or are being harmonized based on the Codex General Standard for Irradiated Foods and relevant recommendations of the International Consultative Group on Food Irradiation (ICGFI). The number of irradiation facilities for treating food is increasing and many more are under construction or being planned. The consumers are getting accurate information and are beginning to appreciate the benefit of irradiated foods…. The potential of irradiation as a method to ensure the hygienic quality of food, especially those of animal origin, as a quarantine treatment of fresh horticultural commodities, and as a substitute for fumigants, is being realized… The Conference reaffirmed the view that the safety and nutritional adequacy of irradiated food produced under conditions of Good Manufacturing Practice is no longer in question, regardless of the absorbed dose.”

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