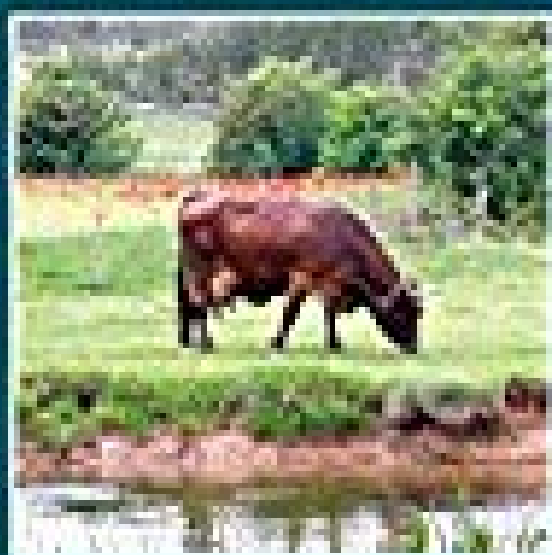


WOODHEAD PUBLISHING SERIES IN FOOD SCIENCE, TECHNOLOGY AND NUTRITION



Persistent organic pollutants and toxic metals in foods

Edited by Martin Rose and Alwyn Fernandes

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Martin Rose and

Persistent Organic Pollutants and Toxic Metals in Foods (Woodhead
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Persistent organic pollutants (POPs) and toxic elements, such as dioxins, flame retardants, lead and mercury, are substances of major concern for the food industry, the regulator and the general public. Persistent organic pollutants and toxic metals in foods explores the scientific and regulatory issues of making certain our food is secure to consume. They persist in the environment, accumulate in meals chains and could adversely affect human health if ingested over certain levels or with prolonged publicity. Part one provides an overview of regulatory efforts to display screen, monitor and control persistent organic pollutants and large metals in foods and includes case studies detailing regulatory responses to food contamination incidents. Includes case studies which fine detail regulatory responses to food contamination incidents. Considers the uptake and transfer of persistent organic pollutants in the food chain and the chance assessment of contaminants in food. Details particular persistent organic pollutants, toxic metals and metalloids in foods including polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl chemicals (PFASs), mercury and arsenic among others. Persistent organic pollutants and toxic metals in foods is usually a standard reference for all those in the meals industry responsible for food safety, laboratories testing for food chemical substance safety, regulatory authorities responsible for ensuring the safety of meals, and researchers in industry and academia thinking about the science supporting meals chemical safety. Part two progresses to highlight particular POPs, toxic metals and metalloids in foods, including dioxins and polychlorinated biphenyls (PCBs), mercury, polycyclic aromatic hydrocarbons (PAHs) and phthalates.



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