Practices of food safety and management.

Caroline Thomas*

Department of Economics, Research areas Microeconomics, UT Austin,UK.

Perspective

Global food supply is evolving in a commercial context with the goal of sourcing ever-cheaper food, i.e. shifting production to the lowest-cost producer. Quality management systems are primarily designed to ensure that third-party and retailer standards are met. [1] Food safety management systems are primarily responsible for controlling the product's specific food safety concerns and ensuring compliance with food safety regulations. Large farms currently produce the majority of food, which is then industrially processed and marketed in supermarkets and global food shops. Foodborne infections and toxins have the potential to infect and poison vast numbers of people as a result of modern food production, which has cut costs and increased the range of foods available. Furthermore, because of the globalization of food trade, food can get contaminated in one nation and trigger food borne illness epidemics in another.

Foodborne disease evidence in low and middle income countries is still inadequate, although key studies published in recent years have helped to fill in the gaps. These findings imply that consumers in poor countries are concerned about FBD, that biological hazards account for the majority of the known burden of FBD disease and that the majority of FBD is caused by the eating of fresh perishable foods sold in informal marketplaces. [2] FBD is expected to rise in LMICs as a result of massive increases in the consumption of dangerous foods (livestock and seafood products, as well as vegetables) and the lengthening and broadening of value chains. Despite the fact that agricultural production is intensifying, agro-industrial production and modern retail have yet to provide significant benefits in terms of food safety and disease management. When compared to typical observation approaches, notational analysis was shown to offer minimal benefit. [3] This strategy on the other hand allowed for the tracking of sequential events and was successful in finding and recording a greater number of cross contamination events than traditional methods would have shown. Food handlers were required to perform decontamination procedures on a considerable number of instances, according to the findings based on hygiene norms. Around the world food safety is a major concern [4]. As a result, hazards and dangerous compounds will always need to be detected, removed and controlled from harvest to consumption. MOFs (metal–organic frameworks) are a type of functional material with unique physical and chemical properties that have shown promise in food safety applications.

Food-safety issues are a new, serious and complicated challenge for the Chinese people, society and government involving a wide range of social, political and ethical issues beyond food safety, nutrition and health. [5] This article examines food-safety problems in contemporary Chinese society at the levels of food hygiene, unsafe food and poisonous foods in light of Ulrich Beck's risk society theory and argues that food-safety problems not only harm the lives of Chinese people but also pose a number of manufactured risks that are difficult to calculate and control.

References

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*Correspondence to

Dr. Caroline Thomas

Department of Economics,

Research areas Microeconomics,

UT Austin,

UK

E-mail: carolinethomas@yahoo.com