

Technological Advances in food industry for monitoring food safety and for detection of unsafe food



Parthi Desai

Central Food Technological Research Institute, India

Abstract

Food safety forms a key part of the Food Industry. Once we move past the production processes, food safety is an important factor which not only affects individuals, but nations at large and their sustainable growth. A variety of analytical methods, equipment's and tools have been developed over the past few years for assuring consumers that the food the industry is providing is not only safe, but also fulfills above and beyond expectations of the consumer. The highly perishable nature of food and the competition in the market could be summed up as major reasons for the growing concerns related to food safety.

Technological advances are shaping the food safety sector like never before. Artificial intelligence systems, laboratory sensors, QR codes, digital reporting systems are some of them. Artificial intelligence covers a large part of the enormously growing systems in the sector. From robot kitchens to supply chain management, artificial intelligence contains a huge database which can help the managers make important decisions. Digital reporting systems are reducing man-power, yet increasing the accuracy of the system. Similarly, wearable technologies could bring in a transformation by better networking between the objects and stakeholders. Some other advances to name could be e-tongue, e-nose, laboratory sensors. Nonetheless, these advances are just the tip of the iceberg, with many more brilliant innovations coming up.

Biography

Parthi Desai is currently pursuing MSc. Food Technology at CSIR-CFTRI, Mysore, India and is in her second year of post-graduation. She has done bachelors in Food Processing Technology at A D Patel Institute of Technology. Prior to her masters, she has worked for a year in the Quality Department at Capital Foods Pvt. Ltd. and has done two internships as part of her coursework.



[8th International Conference on Food Science and Food Safety](#), | July 13th, 2021

Citation: Parthi Desai, Technological Advances in food industry for monitoring food safety and for detection of unsafe food, Food safety summit 2021, 8th International Conference on Food Science and Food Safety, July 13th, 2021, 04