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A Review of X-ray for detection of insect infestation in fruits and vegetable

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Insect damage in fruits and vegetables cause major production and economic losses in the agriculture and food industry worldwide. Monitoring of internal quality and detection of insect infestation in fruits and vegetables is critical for sustainable agriculture. Early detection of an infestation in fruits can facilitate the control of insects and the quarantine operations through proper post-harvest management strategies and can improve productivity. The present review recognizes the need for developing a rapid, cost-effective, and reliable insect infestation monitoring system that would lead to advancements in agriculture and food industry. In this paper, an overview of x-ray detection insect damages in fruits and vegetables was presented and applications were discussed. Also, the main challenges and limitations of x-ray detection methods in the agricultural products quality assessment were also elucidated.

Biography

Suliman khan expertise in biotechnology and food engineering. He has recently published 10 paper in about food and biological engineering. He presented Poster presentation UK London at the 14th international conference and expo chromatography technique February 21-22-2022 title (Fraud Food and Food Spoilage, and second is first International Conference On RECENT UPDATES IN BIOTECHNOLOGY (Challenges & Opportunities) 16-18 October, 2019 Poster presentation, Title (Characterization and Control of Entophytic Bacterial Growth During in Vitro Seeds Germination of Peas).