

Effects of Low Energy X-ray Doses on the Ripening of Laba Banana in Lam Dong, Vietnam

This study investigates the impact of low-energy X-ray irradiation on the ripening process of Laba bananas in Lam Dong, Vietnam. This presented results on the delayed repining of bananas when irradiated at doses ranging from 0 to 800 Gy. In addition, the effect of filtering as well as irradiating one side and two sides of the banana was also carried out. The results show that the optimal irradiation dose for each banana side is 250 Gy, and using a 1mm thick aluminum filter, with this parameter, the ripening time is the longest and most cost-effective, while not reducing quality banana due to too high radiation dose.

Section

Applications of nuclear methods in science, technology, medicine and radioecology

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