



Genipin cross-linked antimicrobial nanocomposite films and gamma irradiation to prevent the surface growth of bacteria in fresh meats

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<https://doi.org/10.1016/j.ifset.2016.03.011>

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Highlights

- Cross-linked antimicrobial nanocomposite films inhibited bacteria in fresh pork meats.
- The films inhibited also the growth of *E. coli* and *L. monocytogenes*.
- Combination with gamma irradiation acted in synergy with the film.

Abstract

A 125 µg/mL of nisin and 30 mM of disodium ethylenediaminetetraacetate (EDTA) were immobilized on the surface