



Combined effect of antimicrobial coatings, gamma radiation and negative air ionization with ozone on *Listeria innocua*, *Escherichia coli* and mesophilic bacteria on ready-to-eat cauliflower florets

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Highlights

- The antimicrobial coating induced inhibition of the bacterial growth during storage.
- Negative air ionization + ozone treatments can be used to reduce bacterial growth.
- Coating combined with gamma radiation inhibited the growth of *Listeria* and *E. coli*.
- An additive effect was observed between the antimicrobial coating and NAI/ozone.
- A synergic effect was observed between the antimicrobial coating and gamma radiation.