

SENSITIVITY OF OYSTERS (*CRASSOSTERA BRASILIANA*) TO RADIATION

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Various foods including oysters, crabs and shrimps have been shown to be possible transmitters of *Vibrio spp.* Irradiation of sea-foods is being considered an alternative to intervention measures in Public Health against food borne diseases. The aim of this work was to establish, the radiation resistance of the oysters *Crassostrea brasiliana*. The oysters were irradiated with Co-60 radiation with doses of 0, 1.5, 3 and 6 kGy. Survival curves as a function of time showed that 100% of the oysters irradiated with doses of 3 kGy survived at least 6 days. 100% those irradiated with 6 kGy survived 3 days. The obtained results are auspicious considering that a dose of 2 kGy is already effective in the diminishing of the microbial load on oysters.
