

Evaluation of Radioprotective Effect of Solanun melongena L. in the Survival of Lasioderma serricorne (Coleoptera, Anobiidae) Irradiated with Gamma Rays of Cobalt-60

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Abstract : The radio-protective substances protect the organism from ionizing radiation when previously ingested. Synthetic radio-protectives produce unpleasant side effects and are expensive. This article reports the search for natural radio-protective agents in foods, whose occurrence is widespread, costs are lower and the side effects are non-existent. In this work, we studied the eggplant, a food widely used in Brazil, comparing the radiosensitivity of insects reared on diet eggplant and outside this diet. The eggplant causes change in LD50 parameter of insects population but the response curve needs to be better shaped to conclude something about radioprotection. What we can see is that it seems to contain some radiomodifier substance.

Keywords : radioprotector, radiobiology, Solanun melongena L., Lasioderma serricorne

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