EFFECT OF PLANT NATURAL EXTRACT COATINGS ON POST HARVEST QUALITY AND SHELF LIFE OF TOMATO

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Abstract: The aim of this research is to study the application of plant natural extracts Aloevera and neem for extending the storage period of tomato. The effect of different formulations of Aloevera and neem based herbal extract coatings on tomatoes stored at refrigerated condition (4°C) was investigated. Firmness, total soluble solids, sensory characteristics were analyzed at regular intervals during the storage period. Tomatoes in control showed a rapid deterioration with an estimated shelf life period of 18 days. On the contrary, the coatings on tomatoes extended the shelf life up to 36 days. From the results, it was concluded that the use of Aloevera and neem based plant natural extract coating leads to increased tomato shelf-life.

Keywords: Aloevera, Neem extract, Coatings, Shelflife, Tomato

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