

Accepted Manuscript

Effect guar gum coatings containing essential oils on shelf life and nutritional quality of green-unripe mangoes during low temperature storage

Ayeza Naeem, Tanveer Abbas, Tahira Mohsin Ali, Abid Hasnain



PII: S0141-8130(17)33339-1
DOI: doi:[10.1016/j.ijbiomac.2018.01.224](https://doi.org/10.1016/j.ijbiomac.2018.01.224)
Reference: BIOMAC 9175

To appear in:

Received date: 31 August 2017
Revised date: 21 November 2017
Accepted date: 31 January 2018

Please cite this article as: Ayeza Naeem, Tanveer Abbas, Tahira Mohsin Ali, Abid Hasnain , Effect guar gum coatings containing essential oils on shelf life and nutritional quality of green-unripe mangoes during low temperature storage. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Biomac(2017), doi:[10.1016/j.ijbiomac.2018.01.224](https://doi.org/10.1016/j.ijbiomac.2018.01.224)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Effect guar gum coatings containing essential oils on shelf life and nutritional quality of green-unripe mangoes during low temperature storage

Ayeza Naeem^{a,*}; Tanveer Abbas^a; Tahira Mohsin Ali^b and Abid Hasnain^b

^aDepartment of Microbiology, University of Karachi, 75270, Karachi, Pakistan

^bDepartment of Food Science and Technology, University of Karachi, 75270, Karachi, Pakistan

*Corresponding author: Ayeza Naeem (ayeza.naeem@gmail.com),

Dr. Tanveer Abbas

taabbas@uok.edu.pk

Tahira Mohsin Ali

tahira.mohsin@uok.edu.pk

Abid Hasnain

abidhasnain@hotmail.com

Affiliations

The entire research was conducted at University of Karachi, Karachi, Pakistan. The microbiological aspect was performed at department of Microbiology whereas the food chemistry portion was carried out at department of Food Science and Technology.

Abstract

This study investigated the effect of treatment of guar gum coating coupled with essential oils. Harvested UGM were preserved using edible coatings containing essential oils (*Nigella sativa*,

Download English Version:

<https://daneshyari.com/en/article/8327499>

Download Persian Version:

<https://daneshyari.com/article/8327499>

[Daneshyari.com](https://daneshyari.com)