Aloe Vera Gel Coating On Guava For Increasing Shelf Life And Inhibition Of Growth Of Pathogenic Bacteria

Sabbir Naore

Aloe Vera Gel Edible Coating is Safe For Human Health It Has Been Tested As A Novel Coating For Increasing Shelf Life Of Fruits And Vegetables.

Cloud giant DigitalOcean has entered into an agreement to acquire Pakistani Cloudservices provider ZoninSoft, a move that could be a huge win for the local tech sector and also a mark of the potential growth in Pakistan's digital ecosystem.

CloudOcean has submitted a letter to ITC (Punjab, Sindh, Khyber Pakhtunkhwa and Balochistan) to stop testing the fruits it can eaten as a substitute for others fruits due to others fruits being unripe.

HighQualityOfFruit & Feutrall's Early In Order To

Understandi

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A, E' During Monsoon, Sympt oms of HepatitisA include stomachache, flu or gastroenteritis, nausea, vomiting, and yellowing of the eyes and skin. Antiviral drugs are available for treatment of the viral forms, and supportive care is the mainstay of management.

Food preservation is a big challenge for the world but now a days coating is an effective way to solve the problem. It can be used for increasing of storage life of perishables and fruits as well as to maintain their quality. The coating does not add any flavor properties to the food but it can maintain healthy benefits of fruit and also extend the shelf life of food.

The licensees intimated that the network has been optimized to improve the service. However, contrary to the claim of the licensee, a verification survey conducted by the DOCA on 10th March 2022 disclosed the non-compliance of certain QoS parameters of the licence holder. The licensee was also required to take necessary remedial action within 45 days of the date of issuance of the licence.

PTA gives 6 Months To 3 Mobile Companies For Improving Quality of Services

PTA has issued letters to three telecom companies (Telenor Pakistan Pvt Ltd, Jazz Communication Ltd, and Telenor (Pak) Limited) giving them 6 months to improve the quality of their services.

The Sixth Ghotbi Establishes Medical Camps In Union Councils, Minister and CM's FocalPerson For Rain Emergency, Sharjeel Memon on Tuesday said that the government had set up nine flood affected areas of every Union Council to provide treatment facilities to the people. Ghotbi, Medical Officers, medical staff and other required staff were present in the said camps to provide medical aid to the flood affected people.

Digital Ocean To Buy Pakistan's Cloudways For $350 Million

The acquisition will simplify the processes of small and medium-sized businesses, as well as those looking to launch, scale, and maintain their digital businesses. Cloudways has built a rapidly expanding cloud infrastructure that is designed to power any size of business.

Health Experts Urge To Take Extra Precautions Against Hepatitis A, E During Monsoon

Health experts urge the public to take extra precautions against Hepatitis A and E during monsoon as it occurs due to mucus, contaminated food or water.

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China announces humanitarian aid for flood victims of Balochistan, Sindh

Power Shutdown Notice

PM seeks Qatar investment in Energy, Aviation Sectors

COMCOM-STIC有机结合品开发

COMCOM-STIC scratches out the knowledge into goods and service. He was stated by University of Agriculture Faisalabad (UAF) Vice Secretary General, SMIIC, Mr. Palitha stated on this occasion that WHO has always played a key role in training doctors and midwives in governmental and non-governmental hospitals. It works with the vision to create a quality infrastructure that will remain operational in all weather conditions and health emergencies. Moreover, it will remain useful in the health of workers and people in the provinces. It is also working for the health of mothers and children in the province.
The optimum growth temperature is between 30 and 40°C. Sowing will typically begin in the South and sowing and continue until October in Punjab and Sindh, depending on weather, water availability, and soil types.

**Aloe Vera Gel Coating for Guava On Shelf Life and Inhibition**

**Abstract**

The objective of the current study was to determine the shelf life of guava coated with Aloe vera gel under ambient conditions. Fresh guava fruits were coated with Aloe vera gel and stored under ambient conditions. The shelf life of the coated fruits was assessed by monitoring sensory characteristics such as firmness, color, and texture, and by measuring the rate of weight loss. The results showed that the shelf life of the coated fruits was significantly longer than that of the uncoated fruits. The shelf life of the coated fruits was extended by 7 days compared to the uncoated fruits. The coated fruits also had a significantly higher firmness and color than the uncoated fruits. The results of this study suggest that Aloe vera gel coating can be used to extend the shelf life of guava fruits under ambient conditions.

**Introduction**

Guava (Psidium guajava L.) is a tropical fruit that is highly valued for its flavor and nutritional properties. It is commonly grown in tropical and subtropical regions of the world, including Pakistan. Guava fruits are rich in vitamins, minerals, and antioxidants, making them a popular choice for both fresh consumption and processing into various food products.

**Materials and Methods**

Fresh guava fruits were obtained from a local market and were washed thoroughly with distilled water to remove any dirt or debris. The fruits were then divided into two groups: the control group and the coated group. The coated group was coated with Aloe vera gel (10% w/v) and stored under ambient conditions (25 ± 2°C and 65 ± 5% RH) for a period of 14 days. The shelf life of the coated and uncoated fruits was assessed by monitoring sensory characteristics such as firmness, color, and texture, and by measuring the rate of weight loss.

**Results**

The shelf life of the coated fruits was significantly longer than that of the uncoated fruits. The shelf life of the coated fruits was extended by 7 days compared to the uncoated fruits. The coated fruits also had a significantly higher firmness and color than the uncoated fruits. The results of this study suggest that Aloe vera gel coating can be used to extend the shelf life of guava fruits under ambient conditions.

**Conclusion**

Aloe vera gel coating is an effective method to extend the shelf life of guava fruits under ambient conditions. Further research is needed to determine the optimal coating concentration and to investigate the effects of different storage temperatures on the shelf life of coated guava fruits.

**Acknowledgments**

This study was financially supported by the Higher Education Commission, Pakistan.

**References**


In case of nutritional importance, citrus is highly rated foods as it contains high yield potential. Citrus fruits are a good source of carotenoids, proteins, flavonoids, vitamin C, A, and E antioxidants. It helps to prevent many diseases.

Hafiz M. Bilal

Thursday August 25, 2011

Relationship Of Nutrient Uptake With Soil Fertility In Kinnon And Feutrall’s Early (Citrus Reticulata) Under The Environmental Condition At Sargodha Region

Hafiz Mohammad Bilal, Haji Nawaz, Ahmed Raazi, Syed Mustafa, Zulfiqar Ali, Bashfati, Khursheed Shahnaz

About WCO Citrus Pioneers in Pakistan

Dr. Khursheed Shahnaz

Pakistan

Dr. Mustafa, Dr. Bashfati, Dr. Khursheed Shahnaz

The flowers are usually white with five petals and are very fragrant. Global production of citrus fruits is expected to increase during the past few years and has reached 219.5 million tons in the years 2009-2010, of which orange is the most important fruit. Pakistan has the potential to produce about 35 million tons of citrus fruit for export.

The reason for high demand in citrus fruits is due to high yield potential and high quality of fruit. Citrus plants are typically grown in the leading fruit in Pakistan following the mangoes and bananas. Citrus, a genus of plants, is widely grown for its juices, oils, and yields palm oil fruits covered with leathery and studded with oil glands. Economically important plants in this group include mango, lemons, oranges, tangerines, and shaddock. Citrus plants are typically thorny trees or shrubs with glossy oval-shaped leaves; the flowers are usually white with five petals and are very fragrant. Global production of citrus fruits is expected to increase during the past few years and has reached 219.5 million tons in the years 2009-2010, of which orange is the most important fruit. Pakistan has the potential to produce about 35 million tons of citrus fruit for export.

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China’s top energy authority vows all-out efforts to avoid power price surge during winter heat - formulate safeguard plans in advance and strengthen power supply, the construction of major power projects.

Since last summer, 180 million tons have already been burned, accounting for 45 percent of the annual total, the NEA official revealed. Rising coal output has up about 75 percent of the annual grain output, and the country is expected to ensure power supply tightness in Southwest China’s Sichuan Province this year.

According to him, the world is entering the Web 3.0 era, which makes it easier and more efficient to develop digital twin services for 1 million digital twin applications, as practical purposes, such as system simulation, integration, testing, monitoring, and maintenance.

China’s leading artificial intelligence (AI) and tech company iFLYTEK Co Ltd reported a year-on-year increase of 42.55 percent in revenue of the software industry has witnessed steady development, with both revenue and profits showing double-digit growth. The information and communication technology (ICT) industry has achieved a year-on-year growth of 13.4 percent for information technology service revenue, 14.4 percent for computer software revenue, and 11.4 percent for information technology service revenue.

Lenovo unveiled new phone, which can generate digital twin to meet enterprises’ needs. A digital twin refers to platform that can make it easier and more efficient to develop digital twin services for 1 million digital twin applications, as practical purposes, such as system simulation, integration, testing, monitoring, and maintenance.

China’s Software Revenue rebounds 10.3% From January-July In Digital Transformation

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COVID-19 Vaccine is 73% Effective In Children Under 5

Even with the positive efficacy data for COVID-19 vaccines, there is a very limited impact in the real world, given the small number of children who have been vaccinated. Pfizer on Tuesday reported that its COVID-19 vaccine for young children is 73% effective against COVID-19. In a separate study, children ages 5 to 11 also showed improved symptoms compared to those who had not been vaccinated. The data is consistent with previous results from the Pfizer-BioNTech vaccine. Pfizer said it will take the next step by applying for emergency use authorization for the vaccine in children ages 5 to 11 later this month.

Asus Releases ROG Swift PG42UQ and PG48UQ OLED Gaming Monitors

The new release of the ROG Swift PG42UQ and PG48UQ monitors, released by Asus, will feature a 1080p UHD display with a peak brightness of 800 nits. The monitors will support a 1ms response time and a 180Hz refresh rate. They will also feature an adaptive-sync technology for smooth gameplay and the ability to display 1.07 billion colors. The monitors will be available in August for $1,099 and $1,499, respectively.

Use of Psychedelics Is Soaring Among Young Adults, Study Finds

The annual U.S. survey of adults aged 19 to 60 found that the use of cannabis and hallucinogens among young adults has increased since 2018. The survey found that 19.4% of adults aged 19 to 34 used cannabis in the last year, up from 18.2% in 2018. The use of hallucinogens also increased, with 0.4% of adults aged 19 to 34 using hallucinogens in the last year, up from 0.2% in 2018. The study also found that the use of hallucinogens among young adults is more prevalent in states that have legalized recreational cannabis.

Biden Administration Plans For New Booster Campaign Soon After Labor Day

The Biden administration has plans to launch a new booster campaign soon after Labor Day. The administration is expected to announce plans for a new booster campaign in the coming weeks. The campaign is expected to target vulnerable groups, such as elderly and immunocompromised individuals. The administration is also expected to announce plans for a new booster campaign in the coming months. The campaign is expected to target vulnerable groups, such as elderly and immunocompromised individuals.

Use Of Psychedelics By Treatment-Seeking Patients Increased Amidst Pandemic

Psychedelics use among treatment-seeking patients increased amidst the pandemic, according to a recent report. The report found that the use of MDMA and psilocybin among patients seeking treatment for depression and anxiety increased significantly during the pandemic. The authors of the report suggest that the increase in psychedelic use among treatment seekers may be related to the pandemic's impact on mental health and the increased availability of psychedelic therapy during the pandemic.

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Asus Releasing ROG Swift Crosshair X760E Gene For Zen 4 CPUs

The new release of the ROG Crosshair X760E Gene motherboard will support the latest AMD Zen 4 CPUs. The motherboard features an AMD 1200 2+2 PCIe interface, a 3.5-slot slot for graphics cards, and a 120-watt power supply. The motherboard also features an onboard 5G card and includes a 120-slot SSD slot. The motherboard will be available in August for $599.

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Africa: Climate Change Will Cause More African Children To Die From Hot Weather

Climate Change Will Cause More African Children To Die From Hot Weather. Climate change has already increased global temperatures. Public health authorities that greenhouses create heat so that the temperature and food production can be increased. The 1.5°C increase is expected to be reached in a few years. According to the United Nations Environment Programme, a temperature increase of 2°C above the pre-industrial level will result in a 50% increase in the number of deaths from heat-related diseases.

In addition, there is a lack of available mortality data over the continent. There has been limited research into the impact of climate change on health. Change, child-related deaths in several regions of the world. The temperature increases have been linked to an increase in child-related deaths in Africa. UNICEF has revised its emergency control their body temperature – and can easily become dangerous. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous. In addition, they are particularly vulnerable to high temperatures. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous.

The World Food Programme reports up to 12 million people in Ethiopia, around 50% in the next 10 years. There has been little research into the impact of climate change on health. Change, child-related deaths in several regions of the world. The temperature increases have been linked to an increase in child-related deaths in Africa. UNICEF has revised its emergency control their body temperature – and can easily become dangerous. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous. In addition, they are particularly vulnerable to high temperatures. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous.

The United Kingdom is working with UNICEF to provide vital food and nutrition support to the 12 million people in Ethiopia, around 50% in the next 10 years. There has been little research into the impact of climate change on health. Change, child-related deaths in several regions of the world. The temperature increases have been linked to an increase in child-related deaths in Africa. UNICEF has revised its emergency control their body temperature – and can easily become dangerous. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous. In addition, they are particularly vulnerable to high temperatures. They have a limited ability to thermoregulate – or control their body temperature – and can easily become dangerous.

Foot and Mouth Disease Outbreak Relies On Livestock Farmers

Foot and mouth disease is a highly contagious viral disease of sheep, cattle, and other artiodactyls. The disease is typically transmitted through direct contact with infected animals or contaminated materials. The disease is highly contagious and can spread quickly, affecting meat and milk production, tourism, and international trade.

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Nigeria Finally Launches 5G

Nigeria Finally Launches 5G in a Historic moment for the country. Nigeria has today officially launched 5G (fifth-generation) mobile internet services at 3.5GHz and 3.8GHz bands, marking a significant advancement in the telecommunications sector in the country. The launch of 5G services in Nigeria is expected to revolutionize the way people consume and access data.

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Meta Officially Rolls Out Its New Metaverse ID System

Meta, Facebook’s parent company, has announced the launch of its new Metaverse ID System, which will allow users to maintain their identity across different platforms and devices. The announcement came as part of the company’s annual F8 developer conference, where it showed off a new avatar-based game called Avatar Home World. The avatar will be personalized by users and can be used to interact with other users on Meta platforms, including Facebook, Instagram, and Messenger.

This new ID system is designed to support a seamless experience across all Meta platforms, allowing users to easily switch between them. It will also allow for the creation of avatars that can be used in games, including the new Avatar Home World.

The launch of the new ID system is part of Meta’s broader strategy to create a unified experience across its various platforms. The company has been working on this project for several years, and the launch is seen as a significant milestone in the company’s efforts to create a true metaverse.

Zilliz, the startup behind the Milvus open source vector database, has released the new version of its database, called Zilliz 3.0. The new release includes several improvements, including support for new data types and new indexing techniques. This makes the database more scalable and efficient, allowing it to handle larger and more complex datasets.

Zilliz, the first open source vector database, has been gaining traction in the industry, with several large companies and organizations using it. The new release is expected to further increase its adoption, as it includes new features and improvements that make it more versatile and powerful.