



Colorado Science and Engineering Fair

2025 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: The Effect of Different Natural Preservatives on Sliced Avocado in Open Air

Finalist's Name: Zhaleh Gonzalez

School and City: Skinner Middle School, Denver, CO

Sponsor's Name: Becca Glosser

Category: Chemistry

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

This experiment tests different natural preservatives value when using them on food, in my case avocado, in open air. I learned that even though salt has always been thought as a very good preservative, it performed very badly in my experiment. My hypothesis was that lemon juice would perform the best out of all the preservatives, but white vinegar ended up performing the best. After trying to find information about why lemon juice would perform badly and why people would still use it, I inferred that people must put their food in the fridge to slow down the process of rotting and most likely aren't letting it sit out.

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Finalist's Signature:

Date:

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. **A signed copy of this form must be included in your notebook.**