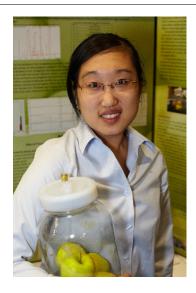




## CWSF 2012 - Charlottetown, Prince Edward Island



## **Ellen Song**

Fruit Flavour: The Double Benefit of Aroma Volatile Treatments

Challenge: Innovation Category: Senior

Region: Annapolis Valley
City: Wolfville, NS
School: Horton High School

**Abstract:** The benefits of aroma precursor treatments were investigated in blueberries

and apples. It was found that although the different fruit produce different aroma volatiles, the aroma is still greatly improved and enhanced. By inoculating apples with fungi and treating them, it was also discovered that precursors have an anti-microbial effect. This has great commercial

application as fruit aroma is enhanced and decay is inhibited.

## **Biography**

I am a grade 12 student at Horton High School, where I am part of the Students Council Executive, and heavily involved in art and music (as well as scientific things). I paint abstractly, draw photorealistically, and play piano, flute and trombone. I am part of many school groups such as jazz band, concert band, choir and glee club. As well, I am founder of Horton Creative Productions, an art making organization at my school. I placed first in the junior piano category at the Provincial Music Festival. I have completed all RCM requirements for grade 10 piano, and am currently working on my ARCT in piano performance. I have done science fair projects for as long as I can remember and the biggest highlight was being a part of Team Canada at MILSET ESI 2011 My future goals involve obtaining a PhD and becoming a researcher.

Awards	Value
Excellence Award - Senior - Bronze Medal	\$300
Sponsor: Nuclear Waste Management Organization	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$2 300



