

CWSF 2011 - Toronto, Ontario



Emily O'Reilly

Chamomile vs Bacteria

Challenge: Health

Category: Junior

Region: Central Interior British Columbia

City: Prince George, BC

School: College Heights Secondary

Abstract: This project tested the effects of German chamomile, Roman chamomile and Moroccan chamomile on inhibiting the growth of *Staphylococcus epidermidis* and *Streptococcus pyogenes* bacteria. The Kirby Bauer Method was adapted and modified during this procedure. The experiment was performed in triplicate. The statistical analysis indicated that Roman and Moroccan chamomiles inhibited the growth of both bacteria.

Biography

My name is Emily O'Reilly, I am 13 years old and in grade 8. I am very excited to attend the 2011 National Science Fair in Toronto. This will be my second year participating at CWSF. This year my project received a gold medal, The Young Science Innovator Award, Best Biotechnology & Pharmaceutical Sciences Project Award, and the BC Nature Award. At school I am on the Principals list and my favorite subjects are math and science. I also participate in the leadership club, band and debate. I currently competed in the BC Provincial and Speech Law Foundation Cup Championship and placed 14th in my Province. I love music! I have been playing the violin since the age of three and play in the senior band at school. I also have played in the Community Northern Orchestra. In addition I play the piano (grade 8 level), have completed my music theory with distinction, hold an orange belt in judo, and I am working towards my Bronze Star in swimming. My career goal is to continue with sciences, and to specialize in microbiology and research. My dream is to find a cure for Alzheimer's disease.

Awards

Value

The Actuarial Foundation of Canada Award - Junior	\$500
Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 800