CWSF 2008 - Ottawa, Ontario

Stephanie Gallant

Larch Tea: An Antibacterial Solution?

Division: Biotechnology / None
Category: Intermediate
Region: Eastern Newfoundland
City: Mount Pearl, NL
School: St. Peter's Jr. H.S.

Abstract: This experiment tested to see if tea made from the Eastern Larch, Larix laricina, could reduce bacterial growth in Escherichia coli and Rhodobacter capsulatus. Bacterial cultures were mixed with different concentrations of tea and serial dilutions were then used to prepare the bacterial plates. Overall results showed that the tea made from the Eastern Larch decreased growth in both types of bacteria.

Biography

I am a Grade 9 student at St. Peter's Junior High in Mount Pearl, Newfoundland. I enjoy listening to music, reading, playing tennis, spending time with my friends and playing guitar, piano and saxophone. In school, I am involved in the concert band and art club. I hope to pursue a career in the field of science, possibly even medicine. I have represented my school at our Regional Science Fair competition for the last 3 years. In 2006, I won a silver medal in Life Sciences and in 2007, I won a Gold medal in Life Sciences, as well as, the following awards: Department of Biology award, APICS (Atlantic Provinces Council of Sciences) award, and the NAACAP award. In 2007, I won a silver medal in Life Sciences at the Canada Wide Science fair and I also took part in the Sanofi-Aventis Biotech Challenge, where I won third place. This year, at our Regional Science Fair competition, I won a gold medal in Life Sciences and the following awards: Department of Biology award, APICS (Atlantic Provinces Council of Sciences) award and the Best in Fair award. I also won first place in the Sanofi-Aventis Biotalent Challenge this year.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Silver Medal - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Rx&D Health Research Foundation	$700
Total	$2 200