

CWSF 2016 - Montreal, Quebec



Anthony Meyer, Rachel Manzoni

Fighting Antibiotic Resistance Naturally

Challenge: Health

Category: Junior

Region: Regina

City: Regina, SK

School: St. Matthew

Abstract: We tested the antimicrobial abilities of natural products (essential oil of turmeric, essential oil of basil, and Manuka honey) against bacteria (*E. coli* and *S. epidermidis*) in the presence and absence of antibiotics (ampicillin and streptomycin). We found that oil of basil was able to increase the efficiency of antibiotics in preventing bacterial growth in a synergistic manner.

Biographies

Anthony - Hi! My name is Anthony Meyer. During the day I am a Grade 8 student at St. Matthew school in Regina. (Go Saints!) Outside class I keep busy competing in baseball, soccer, and badminton as well as playing saxophone in the school band. I have two younger brothers, and our favorite days are summer holidays at the lake or those spent exploring the field across the street from our house. In the future I would like to pursue studies in the health field or wildlife biology. I am inspired by the critical role science is going to play in our future. The urgent need to address antibiotic resistance in particular was the inspiration for our project, whi...

Rachel - Hi, my name is Rachel Manzoni and I am in Grade 7 at St. Matthew school. I am a competitive swimmer and love to be in the water. I also enjoy playing the flute, writing, and reading. Some of my accomplishments include a gold medal from my flute exam and a scholarship for Canadian woodwinds. Science fair is definitely my favourite project of the school year, as I love to be able to investigate my own questions and learn more about a topic that interests me. This year I teamed up with my friend Anthony and we came up with the project Fighting Antibiotic Resistance Naturally. This project focuses on the growing problem of antibiotic resistance an...

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040