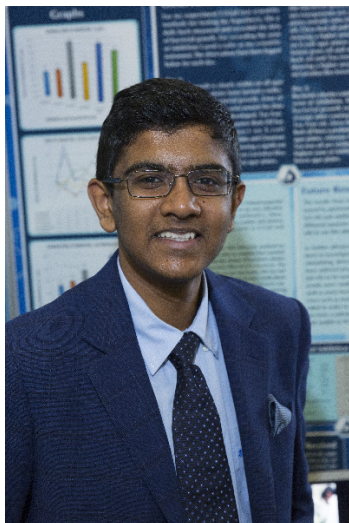


CWSF 2018 - Ottawa, Ontario



Mihir Gothai

A Novel Method Using Essential Oils to Combat Microbial Growth

Challenge: Health

Category: Intermediate

Region: Edmonton

City: Edmonton, AB

School: Harry Ainlay School

Abstract: This project aims to prove the effectiveness of essential oils against gram-positive and gram-negative bacteria. In today's world, bacteria and germs have started to develop a resistance against many antibiotics, resulting in an ever-growing epidemic of superbugs. An improved and reliable method to combat resistant strains of bacteria is imminently required. Essential oils seem to be the answer for this growing epidemic.

Biography

My name is Mihir Gothai. I am 15 years old, grade 10 student from Harry Ainlay High School in Edmonton, Alberta. I have been participating in science fairs from grade 4. I won a combination of gold and silver medals in Regional Science Fairs from Grade 4. I am a third-degree black belt in Taekwondo. I maintain an excellent grade in academics. I am a level 9 pianist maintaining "First Class Honors" at the Royal Conservatory of Music. I play hockey, baseball, soccer, skiing and swimming. In the future I want to be a scientist because I want to contribute to the community and mankind. There are so many things to explore in science, and science fairs offers me an excellent opportunity to try new things. We can use scientific methods to resolve real world issues. My advice to other students is that you can try various scientific projects without access to fully equipped labs, and try to think out of the box solutions and come up with your own innovative ideas for the project. This is my third year participating in Canada Wide Science Fair.