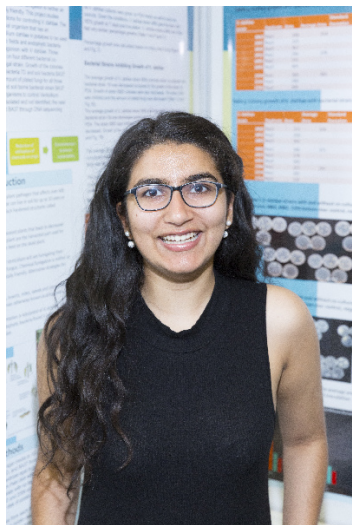


# CWSF 2018 - Ottawa, Ontario



## Dhanishta Ambwani

### Finding Antagonistic Bacteria to Control Verticillium dahliae

**Challenge:** Resources

**Category:** Intermediate

**Region:** Fundy

**City:** Fredericton, NB

**School:** Leo Hayes High School

**Abstract:** Verticillium dahliae is a fungi that causes early death of potato plants all over Canada; this negatively affects the yield and quality of our potatoes. Currently to kill the fungi, farmers are using chemicals on their crops. The goal of my project was to find bacteria that prevented the fungi from attacking the potato plant; this is a much more environmentally and economically friendly solution.

#### Biography

I am in grade 10 and have a passion for helping people; I do this in as many different ways I can. I volunteer at multiple different organizations locally and internationally; furthermore, I paint in my free time and auction my work for charity. My love for science and for helping people is why I have always aspired to pursue a career in Medicine. I am in French Immersion and I compete and have placed in French Oratorical Competitions at the regional level. I also have been playing piano since the age of 5 and I love staying active through a variety of sports such as badminton, rugby, and basketball. Due to my participation in these activities I was awarded the Duke of Edinburgh's Bronze Award and am currently working on my Silver Award. I am also interested in entrepreneurship; I opened my own online boutique and was awarded with CFO of the year from Junior Achievement NB. I was inspired to do this project because the potato industry is a prime contributor to not only NB's economy, but Canada's economy. I would advise students thinking about doing a project to research about a subject that interests and excites them.

#### Awards

#### Value

|                                                                                                                 |         |
|-----------------------------------------------------------------------------------------------------------------|---------|
| Excellence Award - Intermediate - Bronze Medal<br>Sponsor: Youth Science Canada                                 |         |
| Western University Scholarship<br>Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: Western University | \$1 000 |
| Total                                                                                                           | \$1 000 |