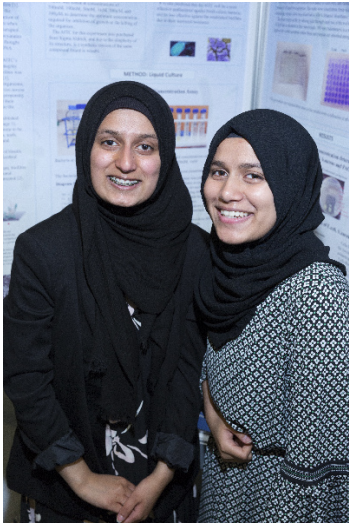


## CWSF 2018 - Ottawa, Ontario



### Laiba Saqib, Fatima Saqib

#### Bactericidal Actions of AITC on Liquid Culture and Established Biofilms

**Challenge:** Health

**Category:** Senior

**Region:** Manitoba Schools Science Symposium

**City:** Winnipeg, MB, Winnipeg, MB

**School:** Fort Richmond Collegiate

**Abstract:** This project aims to discover if allyl isothiocyanate can act as a bactericidal agent against bacteria in two forms. The bacteria was tested in a broth culture and also in biofilm formation. This is important because currently most infectious diseases are caused by biofilms, and they are much harder to treat with conventional antibiotics. This project is testing if AITC can become a new antibacterial.

#### Biographies

Laiba - Hi, my name is Laiba, and I'm a Gr.11 student at Fort Richmond Collegiate in Winnipeg Manitoba. I'm super passionate about youth in science, and have been doing science projects since Gr.4. I plan on pursuing a career in science, and hopefully one day become a Psychologist.

Fatima - Hi, my name is Fatima, and I'm a Gr.11 student at Fort Richmond Collegiate in Winnipeg Manitoba. I'm super passionate about youth in science, and have been doing science projects since Gr.4. I plan on pursuing a career in science, and hopefully one day become a neurosurgeon.