

## CWSF 2016 - Montreal, Quebec



### Ahmad Ali

#### Power Plants of the Future: Optimizing Plant Microbial Fuel Cell Design

**Challenge:** Energy

**Category:** Intermediate

**Region:** Windsor

**City:** Windsor, ON

**School:** Windsor Islamic High School

**Abstract:** What if there were a way to extract energy from plants to produce electricity without harming the environment or compromising our food supply? The purpose of this experiment is to test different materials and designs to improve energy output in a plant microbial fuel cell.

#### Biography

My name is Ahmad Ali. I am currently in grade 9 studying in Windsor Ontario at the Windsor Islamic High School. I'm a very passionate and hardworking individual who is always looking for opportunities to improve myself and to excel in more areas. A little about myself, I am a published poet and an avid reader. I am very athletic and I love playing basketball and soccer. I am also skilled in cross country running. As hobbies, I play with LEGO's or play Minecraft. I love to participate in competitions on both school, regional, and national levels whether it is a math, science, or English related competition. If I am not either studying for school or taking part in other activities, my focus is usually on the Science Fair. This year I was thrilled to have been selected for the second year in a row to participate at the CWSF 2016. I attribute my success first and foremost to god, and then my parents, teachers, and friends. This year I am looking into testing and optimizing Plant Microbial Fuel Cell Designs for and increased energy output. With this project, I hope mankind can transition faster into a greener world.

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