

## CWSF 2009 - Winnipeg, Manitoba



### Abdallah Abdur-Rahim, Aliya Iman Abdur-Rahim

#### Ethanol - Biofuel of the Future

**Division:** Biotechnology / Environmental Innovation

**Category:** Senior

**Region:** United Counties

**City:** Cornwall, ON

**School:** Islamic Institute Al-Rashid, Cornwall Collegiate & Vocational

**Abstract:** The purpose of this experiment was to produce ethanol from algae, as an environmentally friendly alternative to organic matter and petroleum-based fuels. Ethanol was created by *Saccharomyces cerevisiae* through the process of alcoholic fermentation and distillation. Our hypothesis was correct using a combination of results, laws and statistical analysis, algae grown in the St. Lawrence River may be the favourable product for ethanol.

#### Biographies

Abdallah - My name is Abdallah and I lived most of my life in America and Morocco. But now I am living in Canada. I have done many sports in my life but the one I love the most is karate. I have graduated in the karate arts. I have never participated in a science fair because I have dedicated most of my life to Islamic religion.

Aliya Iman - Some call me little Mother Theresa and others Little Princess, however my name is Aliya Iman, which means high faith in Arabic. I'm 18 years old and live with my father Abdur-Rahim, my mother Latifa, and my two younger brothers Abdallah and Muhammad in Cornwall Ontario. I was born in Montreal, Quebec however I have come to travel the world with my family. I'm an honour role student at Cornwall Collegiate and Vocational School, where I have joined many clubs including the Student Council, Envirothon and Interact. I work at the Cornwall Public Library, and during my free time I enjoy volunteering at the Agape Center, and Cornwall District I...

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