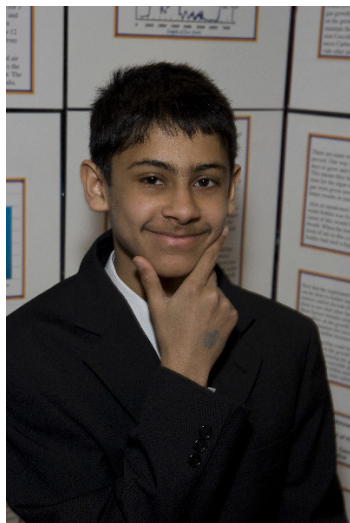


CWSF 2008 - Ottawa, Ontario



Ghufuran Siddiqui

Biofixation of CO₂ Using Coccolithophorid Algae

Division: Engineering & Computing Sciences / Environmental Innovation

Category: Intermediate

Region: Lambton County

City: Sarnia, ON

School: Northern C.I. & V.S.

Abstract: In this experiment the algae were put under different concentrations of Iron (III) Nitrate. The best iron concentration will be determined by testing the amount of CO₂ left inside the bottles after 6 days. The gas will be tested with a CO₂ gas censor. Doing this will arrive at the best concentration of iron (III) Nitrate levels for the algae.

Biography

My name is Ghufuran Siddiqui. I am a grade 10 student at N.C.I.V.S in Sarnia, Ontario. Some sports I enjoy are wrestling, soccer and tennis. I also have an interest in computers and technology. I do many extra- curricular actives. I am involved with a Multicultural Awareness Club and Science Club at my school. My favourite subjects are Science and Math. I also like to challenge myself and enjoy entering in competitions one of them being, of course, science fair! Other competitions I participate in are Waterloo math contests. I also volunteer in the community at my local hospital and library. I hope to find a job in a science, business or math related field.

Awards

Value

Canadian Commission for UNESCO - Science for Peace and Development (MILSET ESI) Award Sponsor: Canadian Commission for UNESCO	\$5 000
Petro-Canada Peer Innovation Award - Intermediate - Ontario South Sponsor: Petro-Canada	\$200
Total	\$5 200