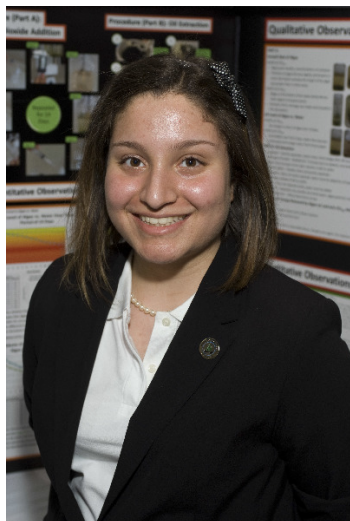


CWSF 2010 - Peterborough, Ontario



Kimia Sorouri

Bio-Not-Diesel: Algae Invasion

Division: Physical & Mathematical Sciences

Category: Senior

Region: Peel

City: Mississauga, ON

School: Gordon Graydon Memorial S.S.

Abstract: The purpose of Bio-Not-Diesel is to create a comprehensive look at the potential for algae as fuel through its ability to absorb carbon dioxide emissions and effects on its growth rate and heat capacity. An ideal method for oil extraction is determined and the test results are analyzed to design a closed system that is non-polluting and benefits the environment while simultaneously producing energy.

Biography

Kimia Sorouri attended the SciTech Program at Tomken Road Middle School that nurtured her passion for science. Kimia enjoys taking part in school sports, such as archery, as well as activities outside of school such as ballet and visual arts. She is pursuing her passion for science at Gordon Graydon Memorial Secondary School at the International Business and Technology Program (IBT), gaining an understanding for the commercial aspects of science in the modern world. In addition, the IBT program has also given Kimia an enjoyment for mathematics. She is an executive member of the Math Club at her school and also a Math Tutor. With goals of doing scientific research around the world, Kimia is learning her fourth language and wishes to learn many more languages in the future. Furthermore, Kimia's work with her Student Activity Council (SAC) has enabled her to encourage a healthier school environment and through her volunteer work at the Credit Valley Hospital, she supports a healthier community. Kimia hopes to work towards a healthier global environment during her post-secondary education whether in Ontario or abroad.

Awards

Value

Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$3000 Entrance Scholarship Sponsor: University of Ottawa	\$3 000
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Silver Medal - Environmental Innovation - Senior Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$700
Total	\$7 700