

CWSF 2010 - Peterborough, Ontario



Danielle Hussain

Oil After Breakfast

Division: Health Sciences

Category: Junior

Region: Montreal

City: Pointe-Claire, QC

School: Trafalgar School For Girls

Abstract: Waste coffee grounds contain 10 to 15% oil which can be extracted and converted to biodiesel. This project proposes a new process of extracting coffee oil without using hexane in the extraction process. Results of this research are aimed at environmental protection: waste recycling and the elimination of flammable substances.

Biography

My name is Danielle Hussain, I'm 14 years old and I go to Trafalgar School for Girls in Montreal. I'm a grade eight student and an active member of many school activities such as yearbook, the school newspaper, choir, band, awareness committee, creative writing club, the arts festival committee and the school reach team. I have a passion for science, art, the environment and people. I strive to bring meaning, thought and understanding to all aspects of my life. I keep an open mind and aim to explore, learn and enjoy life to it's greatest. I would like to be a published poet and have a PHD in chemistry by the time my hair turns gray. I am also an active volunteer and recently participated in a fundraising event to raise money for Haiti. I finished grade seven with first standing honors, an excellence in creative writing award and two math awards. I have a website, where I publish all my works of poetry and hope to have enough material to publish a book within the next year. In my spare time I like to play the guitar, write songs, read, write and spend time with my close friends.

Awards

Value

The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Gold Medal - Earth & Environmental Sciences - Junior Sponsor: Suncor Energy Inc.	\$1 500
Total	\$5 500

