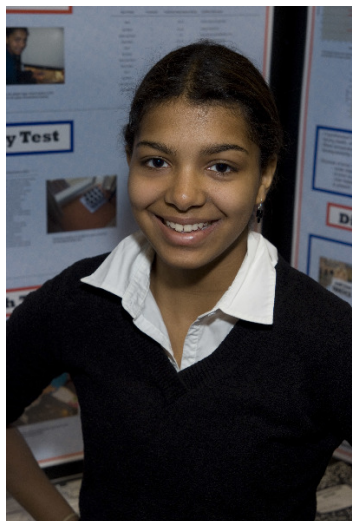


## CWSF 2008 - Ottawa, Ontario



### Natalia Chadee

#### Green Plastics: Saving Our Environment One Bag at a Time

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Junior

**Region:** Peel

**City:** Mississauga, ON

**School:** Tomken Road Senior P.S.

**Abstract:** This project studied gelatin and agar additives to the biopolymer of starch in order to increase its tensile strength at a low cost. This mixture was looked at to be an alternative to the current health and environmentally concerning chemical additive of bisphenol-a.

#### Biography

I participate in many different activities and clubs both within my school and outside. In school I take part in leadership clubs such as the athletic council and student senate. I also particularly enjoy being a member of two in school choirs; the grade eight choir and auditioned "Take Two" choir. The last major area in which I participate in school is athletics, where I take part in morning recreational clubs, intramural leagues all year round as well as the cross country team during the Spring. Outside of school, I also play waterpolo competitively. Waterpolo is a sport that I love very much and I am very dedicated to. Karate is also an essential part of my week and has been important in my life since I was 6. In addition to these sports, I also play piano; in which I recently passed my grade 6 exam. I enjoy keeping busy!

#### Awards

#### Value

The University of Western Ontario Scholarship	\$1 500
Silver Medallist - \$1500 Entrance Scholarship	
Sponsor: University of Western Ontario	
Silver Medal - Earth & Environmental Sciences - Junior	\$700
Sponsor: Petro-Canada	
Total	\$2 200