

## CWSF 2007 - Truro, Nova Scotia



### Prateeksha Ravi

#### Fuel of the Future: Biodiesel

**Division:** Engineering & Computing Sciences / Automotive

**Category:** Junior

**Region:** Peel

**City:** Mississauga, ON

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

**Abstract:** This experiment relates to making biodiesel out of a substance called fryers grease to reduce global warming arising out of greenhouse gas emissions. I also wanted to make an additive (organic in nature) that would enable effective usage of the biodiesel even during the cold winters. This antifreeze can be a solution to the cold flow properties of biodiesel.

#### Biography

Hi, My name is Prateeksha and I am in grade 8. I have been in Canada since 2002 and have immigrated from India. I like to make new friends and help my colleagues to the best of my abilities. I am very involved in school related activities such as helping out in the Library and taking active participation in organizing special events. I have recieved several awards in academics as well as athletics. I plan on going to St. Francis Xaviers Secondary School for the IB programme and am excited about it. I am a firm believer that one should keep ones mind and body healthy. Keeping that in mind, I try to take part in games as much as possible and attend spiritual classes during the weekend. My hobbies include Music and Drama. I like to volunteer at the Old People's home providing companionship and comfort to those longing for it. I am very happy to have been given the opportunity to be a part of the Canada Wide Science Fair and I hope to learn a lot as well as have fun!

#### Awards

#### Value

Petro-Canada Peer Innovation Award - Junior - Ontario South Sponsor: Petro-Canada	\$200
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Automotive - Junior Sponsor: AUTO21	\$700
<b>Total</b>	<b>\$2 400</b>

