

# CWSF 2012 - Charlottetown, Prince Edward Island



## Smruthi Ramesh

### Prunus Armeniaca: the Fuel of the Future

**Challenge:** Energy

**Category:** Intermediate

**Region:** Peel

**City:** Mississauga, ON

**School:** Port Credit S.S.

**Abstract:** Our project tests to determine if the oil derived from the Prunus armeniaca could formulate a more efficient bio-diesel than the bio-diesel produced using the oil derived from the Ricinus communis, Cocos nucifera or a blend of these. We concluded that bio-diesel produced from the Prunus armeniaca and the blend of the Prunus armeniaca and the Ricinus communis was the most efficient bio-diesel.

#### Biography

My name is Smruthi Ramesh and I attend Port Credit Secondary school and am part of the Scitech program. I enjoy reading and drawing and love to dance. In the future I hope to become a researcher in the medicinal field. Participating in the Science Fair is really important to me. It has taught me a lot about the production of biodiesel and the importance of it to our society. I have really enjoyed the process of creating the project and loved the feeling of satisfaction after the project was completed. My partner and I hope to further test our apricot biodiesel and develop it into a fuel that could be found in engines in the near future. This process has taught me to persevere and never give up when I hit road blocks.

#### Awards

#### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 700</b>