

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
Total	\$2 700

