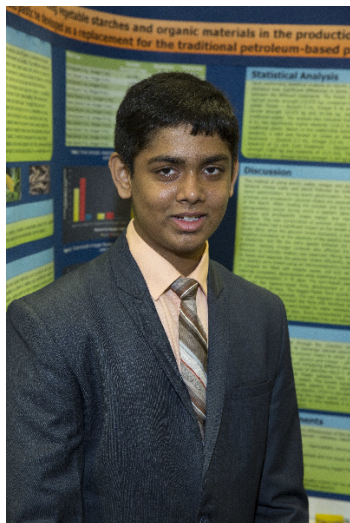


CWSF 2014 - Windsor, Ontario



Harshil Bhesania

Veggie Plastics

Challenge: Innovation

Category: Intermediate

Region: Wood Buffalo

City: Fort McMurray, AB

School: École McTavish Junior High

Abstract: An inexpensive and extraordinary method was created to use natural polymers from vegetable starches to create a compostable plastic that can replace traditional environment-harming plastics. Amloyse and Amlyopectin polymer chains in starches were separated and rearranged to form similar polymer chains to that of plastics. By using natural polymer chains, a completely compostable plastic was developed with an insignificant impact on the environment.

Biography

My name is Harshil Bhesania, and I am in Grade 9 at École McTavish Junior High Public School in Fort McMurray, Alberta. I love playing many sports, including cricket, basketball, skiing, baseball, and soccer. I have been participating in science fairs since the last five years trying to solve numerous environmental issues around the world. I have won several medals in the Wood Buffalo Regional Science Fair and continue to dominate academically in school. I have received the Highest Average of the Year honours in the past two years. I am not sure what I want to do in the future, but I want to continue to contribute to the society and I believe I can make a difference in our world.

Awards

Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 300

