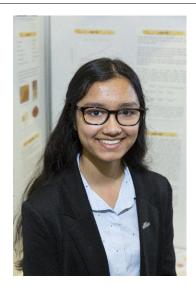




## CWSF 2018 - Ottawa, Ontario



## Mira Bhattacharya

## **Natural Polymers and Absorption**

Challenge: Innovation
Category: Intermediate

Region: York

City: Concord, ON

**School:** St. Theresa of Lisieux Catholic H.S.

**Abstract:** Many polymers act as super-absorbers, which means that they absorb

many times their weight in water and because of this, they are extremely useful in many aspects of life. Synthetic polymers are used to clean up oil spills, but are derived from petroleum products, and are not environmentally friendly. This project is about creating possible alternatives for synthetic

polymers used for absorption, and adsorption.

## Biography

My name is Mira Bhattacharya, and I am currently a grade 9 student at STLCH. I have always been interested in the STEM field, and I enjoy playing the piano, reading, writing, drawing, and volunteering in my community. My project is about creating possible alternatives to synthetic polymers for absorption.

Awards	Value
Youth Can Innovate Awards - Intermediate	\$750
Sponsor: The Gwyn Morgan and Patricia Trottier Foundation	
Excellence Award - Intermediate - Silver Medal	
Sponsor: Youth Science Canada	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$2 750



