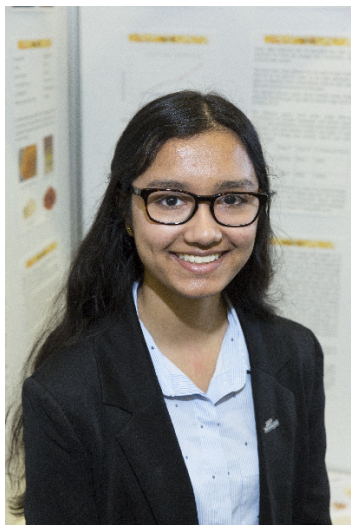


## CWSF 2018 - Ottawa, Ontario



### 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 Sponsor: The Gwyn Morgan and Patricia Trottier Foundation	\$750
Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 750</b>

