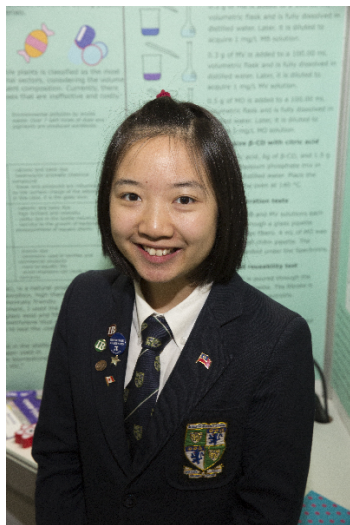


CWSF 2019 - Fredericton, New Brunswick



Melody Cheng

Textile Effluent Remediation: Cationic vs. Anionic Dyes

Challenge: Discovery

Category: Senior

Region: Vancouver Island

City: Victoria, BC

School: Glenlyon Norfolk School

Abstract: For my project, I worked on filtering textile dyes out of water by using glass wool as well as chitin. This is essential because the textile industry produces a large amount of wastewater from its manufacturing processes and dye effluent from the textile plants is considered the most polluting out of all the industrial sectors based on the volume and the wastewater composition.

Biography

During my spare time, I love to volunteer at the City of Victoria Youth Council and the Victoria Immigrants and Refugee Center to teach children about science, technology, math, and engineering through engaging experiments. I started this project because I learned the impact fast-fashion has on the environment. I believe that it is very important to find solution to this problem. In my opinion, the essential thing when it comes to doing a science project is an open, passionate heart towards the subject. There may be failures along the way but learning how to not let these burdens pull you down will lead to you an astonishing experience.