

ESPC 2016 - Montreal (Québec)



Teresa Deng

Algae to Biofuel

Défi: Énergie

Catégorie: Sénior

Région: Carlton Trail

Ville: Watson, SK

École: Watson High School

Sommaire: Concerns over the country's energy dependence on nonrenewable fossil fuels is increasing with elevated scarcity and negative environmental impacts. Algae is an abundant, fast-growing, oil-rich, resilient organism that can prosper in many extreme circumstances. I hypothesized that I could grow and harvest algae in a lab, then use a chemical extraction to obtain the natural lipid oils which could then be refined into fuel.

Biographie

I am Teresa Deng, a grade 11 student from Watson school. I was born and raised in China, where I lived until the fall of 2014. I moved to Canada and settled in Watson, Saskatchewan. My idea came when I was on Christmas holidays in China, excited to return to school and get researching the project.

Prix

Valeur

Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	2 000,00 \$