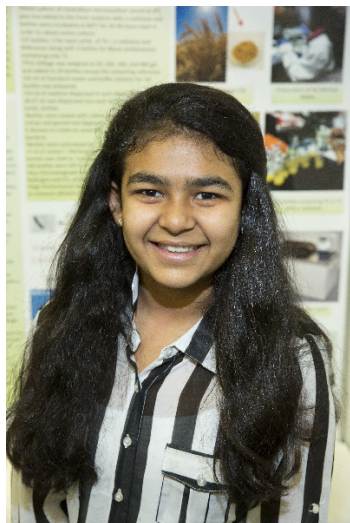


ESPC 2014 - Windsor (Ontario)



Maitry Mistry

Fermentation of thin stillage for biofuel production by *Clostridium thermocellum*

Défi: Environnement

Catégorie: Junior

Région: Manitoba Schools Science Symposium

Ville: Winnipeg, MB

École: Acadia School

Sommaire: The experiment is to unveil the potential of TS as an alternative growth medium in cellulosic bio fuels production. The thermophilic bacterium *Clostridium thermocellum* a candidate for consolidated bio-processing was used to produce fuels such as H₂ and ethanol. In my experiment, various concentrations (50-400 g/L) of TS was tested with or without added cellulose replacing the ingredients of growth medium.

Biographie

My name is Maitry Mistry, and I am currently a grade 8 student in Winnipeg, MB. This is my second year doing a science fair project. In the 2 years, I have gone to over 5 science fairs and have achieved outstanding results which have motivated me to go further in my research. The inspiration for my project came from the waste surrounding us. I wanted to use the waste products for something beneficial to our community and environment. As a student, I plan to continue with this topic and study in the Microbiology field. I have not only learnt about the Microbial process but have been fortunate to work with U of M and carry out my experiment. I am very privileged to have an opportunity to share my results and research with huge crowds, passing on my learning and new discoveries.

Prix

Valeur

Prix d'excellence - Junior - Médaille de bronze	100,00 \$
Commanditaire: Société de gestion des déchets nucléaires	
Bourse d'études de Western University	1 000,00 \$
Médaille de bronze - Bourse d'admission de 1 000 \$	
Commanditaire: Université Western	
Total	1 100,00 \$