

CWSF 2010 - Peterborough, Ontario



Algae into Biofuel: A study of interaction between two species

Division: Earth & Environmental Sciences

Category: Junior

Region:

City: ,

School:

Abstract: The purpose was to determine if there are interactions between the two algae strains; *Scenedesmus Obliquus* (SO) and *Chlorella Vulgaris* (CV) that when cultivated together under photobioreactor conditions, that would affect generation times. When the cultures were mixed, the SO's generation time increased, while the CV's generation times decreased. The results presented important considerations for efficient algae biofuel production.

Awards	Value
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Gold Medal - Biotechnology & Pharmaceutical Sciences - Junior Sponsor: Youth Science Canada	\$1 500
EnCana Platinum Award - Best Junior Project Sponsor: Encana Corporation	\$5 000
Total	\$10 500