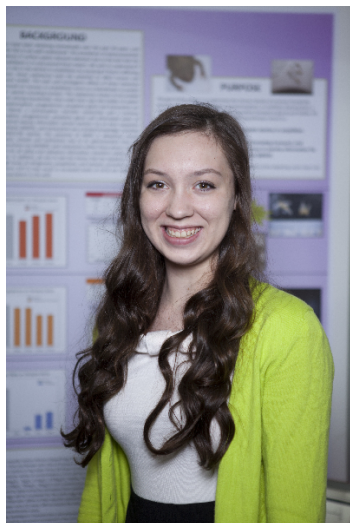


CWSF 2013 - Lethbridge, Alberta



Assessing Environmental Toxicities: Amphibians as Bioindicators

Challenge: Environment

Category: Intermediate

Region:

City: ,

School:

Abstract: In this project, commonly encountered substances (analgesics, contraceptives, antibiotics, cosmetic ingredients, tap water) were evaluated for developmental toxicity and teratogenic effects on embryonic stages of the African-clawed frog for the purpose of classifying these substances in their respective MSDS's, and to isolate potential factors in the decline of amphibians. In addition, excess exposure to UV-B rays were quantified to monitor their direct effects on amphibians.

Awards	Value
Challenge Award - Environment - Intermediate Sponsor: Encana Corporation	\$750
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$5 450