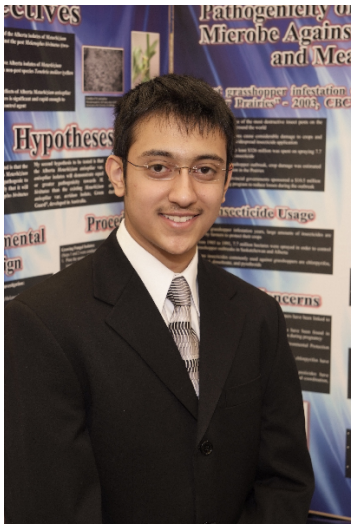
CWSF 2007 - Truro, Nova Scotia



Adil Adatia

Pathogenicity of a New Alberta Microbe Against Grasshoppers and Mealworms

Division: Biotechnology / None
Category: Intermediate
Region: Lethbridge
City: Lethbridge, AB
School: Winston Churchill High School

Abstract: The efficacy of two new Alberta isolates of Metarhizium anisopliae var. anisopliae were investigated against the pest Melanoplus bivittatus and non-target organism, Tenebrio molitor. The results indicated that the isolates caused 90% mortality in M. bivittatus by day 7. They caused marginal mortality in T. molitor, which was not statistically significant. The results support further development of these isolates as biocontrol agents for commercial use.

Biography

I am a grade 10 student from Alberta, currently in the International Baccalaureate Program. I have always had a love for science and have competed in the Canada Wide Science fair in 2005 and 2006. I won honourable mention in 2005 and a bronze medal in 2006. I also enjoy multimedia development and have developed a website for my Junior Achievement Company this year. For my efforts, I was awarded this year's Outstanding Vice President for Information Technology. I currently volunteer at Lethbridge Community Networks, helping people with their computer needs. One of my favourite pastimes is playing chess. I have organized my school's chess club and have won a silver medal from the District Chess Tournament. I also like volunteering at various school functions, school sporting events and the public library.

Awards	Value
Agriculture and Agri-Food Canada Award - Intermediate Sponsor: Agriculture and Agri-Food Canada	$750
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Silver Medal - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Rx&D Health Research Foundation	$700
Total	$2 950