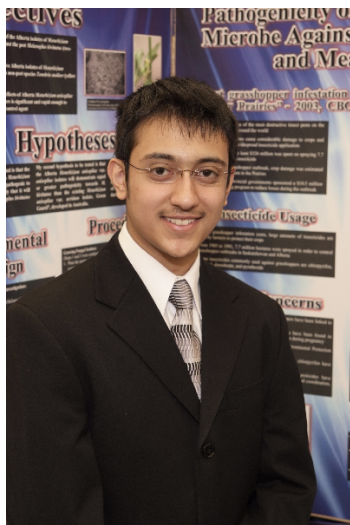


# CWSF 2007 - Truro, Nova Scotia



## 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
<b>Total</b>	<b>\$2 950</b>

