



\$2 600

## CWSF 2014 - Windsor, Ontario



## Deeksha Kundapur

## Determining the Potency of Various Biological Products Against F. graminearum

Challenge: Discovery
Category: Senior
Region: Saskatoon
City: Saskatoon, SK

Sponsor: Western University

Total

School: Walter Murray Collegiate

Abstract: The aqueous extracts of turmeric rhizomes (Curcuma longa), tamarind pods

(Tamarindus indica), ginger rhizomes (Zingiber officinale), garlic cloves (Allium sativum), and honey were tested in order to ascertain their

effectiveness in controlling the growth of Fusarium graminearum, the causal agent of Fusarium head blight. Tests yielded extremely positive results for tamarind and garlic extracts. Novel antifungal compounds are likely

responsible for the observed inhibitory activity.

Awards	value
The Manning Innovation Achievement Award	\$500
Sponsor: Ernest C. Manning Awards Foundation	
Excellence Award - Senior - Bronze Medal	\$100
Sponsor: Nuclear Waste Management Organization	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	

## **Biography**

Constantly, I am driven by my curiosity for the cosmos around and within us; science stirs a vehement response from me in every moment it occupies my mind (which is 99% of the time). My most passionate interests lie with biotechnology and astrophysics. It is no wonder then, that I wish to pursue a career in those fields. Besides science, I also enjoy piano, violin, flute, singing, writing, and badminton. I have relatively high marks, with a 98% average at school in an advanced program. I visit India on a yearly-basis and am mesmerized by the diversity of wildlife there, especially compared to good old Saskatchewan. To anyone contemplating whether or not to enter a science-fair, or to anyone "sizing up the competition", we lose ourselves in the moment we are complacent with the world around us. So, as long as you keep asking the "whys" and "hows" and maintain perpetual curiosity, you have won. Perhaps not a medal or certificate, but something much grander: a renewed perspective on knowledge and life itself. Because, truly, this is the highest prize science can ever award anyone.





