

# CWSF 2013 - Lethbridge, Alberta



## Dareen El-Sayed

### The Anti-Diabetic Activity of Rosemary Through its inhibition of α-glucosidase

**Challenge:** Health

**Category:** Senior

**Region:** Winnipeg Schools

**City:** Winnipeg, MB

**School:** Kelvin High School

**Abstract:** An estimated 285 million people worldwide are affected by diabetes while it is expected that by 2030 this number will have almost doubled reaching 438 million. The purpose was to experiment with different herbs to try to identify an herb with anti-diabetic activity. Rosemary was found to have high potential and was taken into experimentation to identify the responsible components within it.

#### Biography

My name is Dareen El-Sayed and I'm in grade 10 IB. I enjoy science and have participated in various science competitions. I also enjoy reading and being involved with human rights organizations. Being globally informed about human rights is one of the things I strive to do. I love hanging out with my family and friends. Basketball is one of the many sports I enjoy playing in my free time. I attend Arabic Language School regularly every Saturday. My future goal is to go into medicine. I've wanted to do so since I was in Kindergarten and I try my best from now. I would like to pursue a career in medicine as it gathers my two favorite things in one career, helping others and science. I always try to excel in what I do, as it reflects who I am. My inspiration for my project came from a previous project I had conducted two years ago that raised many questions for me about the potential applicability of oregano.

#### Awards

#### Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	\$300
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$8 800</b>