

# CWSF 2008 - Ottawa, Ontario



## Linda Kim

### Antibacterial Activity of Canadian Honey: Isolation of Active Constituents Usin

**Division:** Biotechnology / None

**Category:** Senior

**Region:** Niagara

**City:** Niagara Falls, ON

**School:** A.N. Myer S.S.

**Abstract:** The project was to elucidate the relationship between honey antibacterial activity, its chemical composition and polyphenolic content. Honey composition is important factor for maintenance of antibacterial activity. The activity-guided fractionations allowed isolating active fractions of high molecular weight containing specific double peaks at A240 to 250nm region. For the first time, a compound absorbing at 248nm in the most active honeys has been partially identified.

#### Biography

I was born and raised in Seoul, South Korea until I immigrated to Canada approximately eight years ago. As for my personal accomplishments, I received Excellence in Education Award from the Niagara District School board upon elementary graduation. Since grade 9, I have been a dedicated member of school Tour Band, Flute Ensemble, Cheerleading, Casino Niagara Marathon, and Key Club. Furthermore, I have been a committed member of Student Council since grade 10. While being a Secretary of Arts Council for 2005-06, I was also the Music Representative on Student Council. I was then appointed as Minister of Finance for 2006-07 and was voted on as Deputy Prime Minister for 2007-08. Outside the school, I am the Lieutenant Governor of Division 3S for 2007-08 in Eastern Canada District of Key Club International. As an avid music lover, I have studied piano and violin since I was five years old and I have been a first violinist at Niagara Youth Orchestra since grade 9; in the upcoming summer, our orchestra will perform in Europe. I would like to become an ophthalmologist or a neurosurgeon.

#### Awards

#### Value

Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 000
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$3000 Entrance Scholarship Sponsor: University of Ottawa	\$3 000
Silver Medal - Biotechnology & Pharmaceutical Sciences - Senior Sponsor: Rx&D Health Research Foundation	\$700
<b>Total</b>	<b>\$9 200</b>