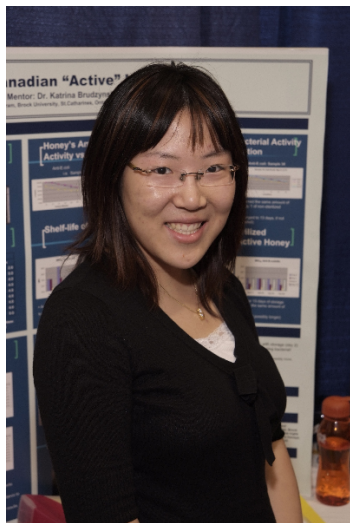


## CWSF 2007 - Truro, Nova Scotia



### Jennie Hajung Kim

#### The Shelf-life of Canadian Active Honeys

**Division:** Biotechnology / None

**Category:** Senior

**Region:** Niagara

**City:** Niagara Falls, ON

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

**Abstract:** To establish the shelf-life of Canadian honey possessing antibacterial activity, several samples were analyzed against *Escherichia coli* and *Bacillus subtilis* using broth-microdilution assay. The shelf-life was assessed by comparison of antibacterial activity over 3 days of storage, which reduced the antibacterial activity and encouraged microbes' growth. Sterilization using a germicidal UV lamp did not change honey's antibacterial activity and prolonged shelf-life to 13 days.

#### Biography

Jennie Kim is the second child in a family of six. Jennie and her family immigrated to Canada six years ago and have settled in Niagara Falls, Ontario. Jennie is actively involved in school as the Prime Minister of student council, president of Key (Kiwans educating youth) Club, and a member of the school concert band, and the flute ensemble. Jennie volunteers in the community by working as a gift-wraper for the Arthritis society, water-station worker for the Casino Niagara Marathon, raking leaves for local seniors, and co-ordinating Read and Lead program in which high school students read books to elementary students once a week. Music is a big part of Jennie's life; Jennie also plays cello in the Niagara Youth Orchestra and she has won first place in the St. Catharines Music Festival for the last two years. In her spare time, Jennie likes to solve sudoku puzzles, snowboard in winter, and read whenever she can, from science journals to the back of a shampoo bottle. Her post-secondary plans include studying biochemistry in university and working her way up to become a research scientist.

#### Awards

#### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Biotechnology & Pharmaceutical Sciences - Senior Sponsor: Rx&D Health Research Foundation	\$300
<b>Total</b>	<b>\$1 300</b>