

## CWSF 2008 - Ottawa, Ontario



### Sabheen Khan

#### Boning UP with Alfalfa!!

**Division:** Life Sciences / None

**Category:** Senior

**Region:** Peterborough

**City:** Peterborough, ON

**School:** Adam Scott C.V.I.

**Abstract:** This experiment undertook the isolation and identification of endogenous cytokinins from alfalfa and a bean plant through liquid chromatography-mass spectrometer. Specific beneficial primary metabolites of alfalfa were identified and compared with a bean plant. The active and the beneficial forms of cytokinins for mammalian bone development were highly concentrated in the alfalfa leaves as compared to the leaves of the bean plant.

#### Biography

My name is Sabheen Khan and I am currently in grade 12 at Adam Scott C.V.I. in Peterborough, Ontario. I moved to Canada approximately six years ago from Pakistan. My interest in global warming and pollution has helped me take a step forward in the larger community and join the "First Step Green Up" committee, which is a youth-driven group who shares similar ideas in preventing an increase in the global warming in the future. Also, I enjoy playing basketball and love playing badminton. In my spare time, I like to break-dance and I love running long distances. I am interested in Biological Sciences. My last wish : I would love to travel around the world before I die.