

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.