

CWSF 2011 - Toronto, Ontario



Akshay Ben

Antioxidants: Bouncing to Growth

Challenge: Health

Category: Junior

Region: York

City: MARKHAM, ON

School: St. Julia Billiard CES

Abstract: Release of free radicals during oxidative process in a living cell disrupts cell growth. Repair of damaged cells or restoring the disrupted cell metabolism is essential for sustained growth and anti-aging. In this study, application of antioxidants-turmeric, blueberry, orange, carrot, spinach with varying ORAC values, eggshell and a composite on green beans illustrate the relation between plant growth and antioxidant/minerals.

Biography

I am Akshay Ben, studying in Grade 8 in a York Region School, Markham, Ontario. I am the youngest of three siblings in my family. I am very passionate in my curricular activities especially in science and mathematics. I won academic awards in Grade 5, 6, 7 and expecting the same in Grade 8. I am an active participant in many school activities- Student Council, speech competition, volleyball, speed stacking, chess club, running club, Spelling Bee of Canada, anti bullying and York Region School leadership program. I like playing outdoor sports and is practicing competitive swimming at Markham Aquatic Club. Currently I am studying piano to master it. In addition, I have practiced Karate for the last seven years and got my Karate Black Belt. I like to volunteer to serve the community where I live. When I grow up, my ambition is to become a neurologist.

Awards

Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 300