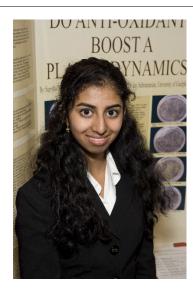




CWSF 2008 - Ottawa, Ontario



Supritha Nilam

Do Anti-Oxidants Boost a Plant's Dynamics

Division: Physical & Mathematical Sciences / Environmental Innovation

Category: Intermediate Region: Niagara

City: St.Catharines, ON School: Sir Winston Churchill

Abstract: Anti-oxidants, predominantly produced by plants, are known to boost

human health. However, the role of anti-oxidants in plants itself is not well understood. To study the effect of anti-oxidants, plants were grown in vitro in medium enriched with anti-oxidants. Phenotypic and genetic analysis was conducted to study the effects. Results showed that anti-oxidants boost

the plant growth, rooting, vigor and disease resistance at lower

concentrations.

Biography

I'm a grade X student at Sir Winston Churchill Secondary School in St. Catharines, Ontario. I have been actively involved in both curricular and extra curricular activities. I participate in the math club, School Reach, the school orchestra, peer tutoring activities and I am a section editor of the school yearbook committee. I have also successfully participated in the annual math contests held by the University of Waterloo, the annual brain bee contests held by McMaster University and at the annual Niagara Regional Science Fair for the last two years. I have been a winner successively for the last two years in the intermediate division at the Niagara Regional Science Fair. I have taken an interest in mathematical concepts and was enrolled in the Kumon Math program. In 2001, I was placed 10th in North America for Math among students at the same level. I currently am a student in the Ontario Conservatory of Music. I have been playing the violin for the past 2 years. My present research interest is studying the effects of anti-oxidants in plant growth. This is an ongoing project with the help of the faculty at the University of Guelph - Vineland Campus.

Awards	Value
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Environmental Innovation - Intermediate	\$300
Sponsor: EnviroExpo, Presented by VIA Rail Canada	
Bronze Medal - Life Sciences - Intermediate	\$300
Sponsor: Pfizer Canada	
Total	\$1 600





