

CWSF 2016 - Montreal, Quebec



Shruthi Bandi

What are the Beneficial Effects of Curcumin?

Challenge: Health

Category: Intermediate

Region: Prince Edward Island

City: Charlottetown, PE

School: Colonel Gray Senior H.S.

Abstract: With many neurological disorders in the modern world today, also comes the demand for more treatments to be developed. Curcumin is a chemical found in turmeric and is known for its many beneficial properties. My goal is to test curcumin products against BSSG and Stigmasterol to see if curcumin will exhibit neuroprotective properties, and be potentially used as a treatment for neurological diseases.

Biography

My name is Shruthi Bandi; I am 15 years old, in grade 10 at Colonel Gray Senior High School. I enjoy playing the piano, playing basketball, reading books and volunteering. I have participated in many Music Festivals and many other activities such as sports competitions and science fairs. My future plan is to study medicine and become a neurologist. I got the inspiration for this project because curcumin which is found in turmeric is commonly used in Indian cooking and my mom uses it a lot. When I found out that curcumin was being tested for its many beneficial properties, I was intrigued and I wanted to find out more about this chemical. Since my future plan is to become a neurologist, I was also really interested in neurological diseases, so I decided to test curcumin to see if it can be potentially used as a therapeutic agent or as a preventative measure for these diseases. For anyone who wants to do a science project, I suggest doing something you're interested in.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000