

CWSF 2008 - Ottawa, Ontario



Bhuvana Sankaranarayanan

Let there be Light

Division: Physical & Mathematical Sciences / Environmental Innovation

Category: Senior

Region: Calgary Youth

City: Calgary, AB

School: Sir Winston Churchill High School

Abstract: This experiment was performed to discover if LEDs emitting a narrow spectrum of light could be used to grow plants as a substitute to traditional artificial lighting with similar results. Six different colours of LEDs were used to grow radish plants, along with a positive and a negative control. The resultant biomasses and heights for each approximate wavelength range of light were compared.

Biography

Deleted by request.

Awards

Value

International Summer School for Young Physicists Award Sponsor: Perimeter Institute for Theoretical Physics	\$2 500
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Honourable Mention - Environmental Innovation - Senior Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$100
Bronze Medal - Life Sciences - Senior Sponsor: Pfizer Canada	\$300
Total	\$4 900