

CWSF 2013 - Lethbridge, Alberta



Biography

Ever since I have been able to consciously observe my surroundings, science has been an integral component of my worldview and has come to ultimately define me on the individual plane. As a secondary school student, I have been an active member in science clubs, a key leader in student council initiatives, and have fully developed myself as a veteran science fair competitor. Science fairs have given me the chance to both meet like-minded individuals and express my creativity in a means that I am comfortable with. Aside from such pursuits, I have volunteered as a tutor within and outside of my school, and I continually foster an environment of learning and curiosity amongst the individuals around me. Furthermore, I enjoy to read, solve problems, ponder mathematical and logical paradoxes, and contemplate world issues. As a classical music connoisseur, I am well-versed in a variety of classical art forms and play the violin at an intermediate level. Being the ambitious person I am, it is hoped that I will be able to contribute to the body of knowledge contained within chemistry and/or physics through theoretical study, as they are the two subjects I am most ardently passionate about!

Bekir Buyukkocabas

Utilizing Bioassays to Explore the Effects Mediated by Cigarette Butts on Plants

Challenge: Environment		
Category:	Senior	
Region:	Toronto	
City:	Ontario, ON	
School:	Nil Academy	
Abstract:	With global tobacco consumption increasing, hundreds of acutely toxic chemicals are constantly leached into our environments via the cellulose acetate filter. When improperly discarded, they can cause devastating changes within plant species; to demonstrate this, Phaseolus vulgaris plants were grown in the presence of cigarette butts, and their biochemical and physiological changes were tracked. Overall, cigarette butts afflicted unforeseen changes to the studied plant species.	

Awards	Value
Excellence Award - Senior - Silver Medal	\$300
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$8 800



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