

# CWSF 2011 - Toronto, Ontario



## Adam Mofeed Sawan

### Examination of the Microbial Effect of Red Sea Water Incursion into the Dead Sea

**Challenge:** Environment

**Category:** Senior

**Region:** London District

**City:** London, ON

**School:** Oakridge S.S.

**Abstract:** With the Dead Sea shrinking by 1 meter per year, connecting it to the Red Sea has been the most favoured solution. Research has shown that the Dead Sea is capable of holding life when diluted with freshwater. The focus of this project is to examine whether bacteria may be able to adapt to this new environment and which bacterium would be the most dominant.

#### Biography

Adam Sawan is a grade 11 student from Oakridge Secondary School, London, Ontario. Adam has participated in a wide variety of clubs and teams. He is currently the Build Captain and driver of his school's FIRST Robotics team. After winning the prestigious Rookie All-Star Award, he along with his team qualified for the International Competition in St. Louis, Missouri. Adam is also a member of his school's cross-country team, with his team they had won silver at WOSSA and they had the opportunity to compete at OFSAA 2009. Furthermore, Adam has in various ways engaged with his community. He is also heading his Robotics team's mentorship initiative where he is helping form two FLL teams (elementary schools) and another FRC team. Adam volunteers at his local community, especially at the London Health Science Centre and the London Public Library. He is also the winner of the 2007 and 2008 Intermediate Math Challenge along with the 2008 Lawson Literary Essay award. Adam aspires to pursue a career in either research or engineering. This is Adam's first time participating in the CWSF, and so far it has been evolving into a life-long memory!

#### Awards

#### Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	\$700
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2500 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 500
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Ottawa	\$2 000
<b>Total</b>	<b>\$9 200</b>