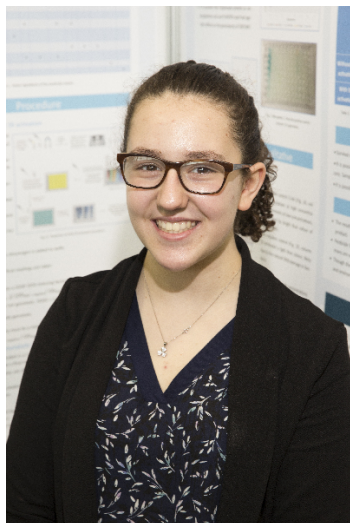


# CWSF 2019 - Fredericton, New Brunswick



## Leila Smaili

### Are Pesticide Formulations Genotoxic?

**Challenge:** Health

**Category:** Intermediate

**Region:** Frontenac, Lennox & Addington

**City:** Kingstson, ON

**School:** Marie-Rivier

**Abstract:** The government tests all pesticides for genotoxicity. However, only the active ingredients are tested. Numerous pesticides contain more than one active ingredient, but the government does not verify the combinations of active ingredients nor the pesticide that are used on lawns in public places. This experiment found that two pesticides had different genotoxic potentials than their active ingredients individually.

#### Biography

My name is Leila. I'm a grade nine student from Kingston Ontario. My science fair projects have always been aimed towards improving public health. I love to help people and give back any way that I can manage. In the future, I hope to design pain medications that are non-addictive. And my innate desire to give back is likely the reason that I would like to be a doctor someday. I have always loved my science fair experience so to those who are just starting I say this; it's all about what you've learned. Pick something you want to learn about. Try to learn everything you can but don't be afraid to ask questions. After all, that's what science is all about.

#### 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