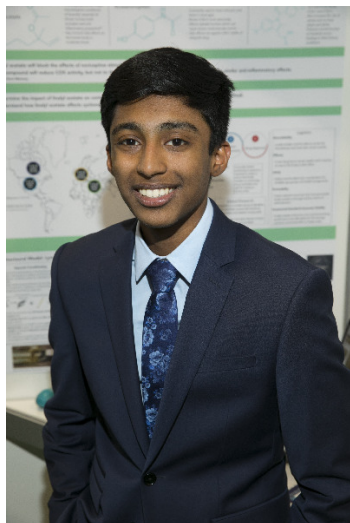


# CWSF 2017 - Regina, Saskatchewan



## Faris Fizal

### Linalyl Acetate: A Novel Phytochemical Based Alternative to NSAIDs

**Challenge:** Health

**Category:** Intermediate

**Region:** Calgary Youth

**City:** Calgary, AB

**School:** Westmount Charter School

**Abstract:** NSAIDs are analgesic and anti-inflammatory drugs that cause alarming side effects on the gastrointestinal tract, kidneys, liver, and cardiovascular system. This study investigates linalyl acetate, present in lavender, as a phytochemical based alternative to NSAIDs. Linalyl acetate is a safe, affordable, and effective alternative solution for the millions who have to make a choice between debilitating pain and the risks of NSAIDs.

#### Biography

Faris is an active Grade 10 student, scientist, social entrepreneur, and community volunteer. He is committed to many youth-driven projects in the community and enjoys using innovative approaches to solving complex problems. Faris is also an avid musician, having played four different instruments. His past research has investigated the properties of long-term memory formation and translational drug research. For his work, Faris has been recognised at various levels and competitions, such as the Sanofi BioGenius Competition where he won third place while being the youngest participant. He has also won multiple gold medals and awards at his regional science fair and was selected to represent his province at the 2015 CWSF, where he won a silver medal. Faris, along with his colleagues, is currently starting up two non-profit initiatives within his community known as UNIFY Foundation and ORC, and actively participates in various schools clubs such as MUN and competitive debate, where he has won numerous awards. Faris looks forward to participating in the 2017 CWSF and hopes to inspire the youth of today through his research. As a science enthusiast, Faris encourages all students to pursue their interests and go beyond the classroom to solve real-world problems.

#### Awards

#### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 000</b>