

# 31<sup>st</sup> ANNUAL ROTARY SCIENCE FAIR AWARDS - 2018

## TOP AWARDS (“BEST OF FAIR”)

### 1. Rotary Club of Sault Ste. Marie Award of Excellence:

**First Entry to Canada-Wide Science Fair**

**First Place - Best of Fair (\$100):**

“GGATS: GPS Guided Autonomous Transport System” – Shail Giroux (Korah C&VS)

### 2. TENARIS Award:

**Second Entry to Canada-Wide Science Fair**

**Second Place - Best of Fair (\$80):**

“Bromelain vs Whey Protein” – Mitch Fillmore (Korah C&VS)

### 3. Benjamin Cohen Family Memorial Trophy:

**Third Place - Best of Fair (\$60):**

“You Are What Tree You Eat” – Julie Delorme and Raili Kary (St. Mary's College)

### Honourable Mentions:

4. “Out With the Mold: Effect of Increasing Concentrations of Wildflower Honey and Calcium

Propionate on Mold Surface Area” – Julia Casagrande (Korah C&VS) (\$50)

5. “Let it Snow?” – Vera Antunes and Brooke Donnelly (Anna McCrea) (\$40)

6. “Crush This!” – Amelia Spacek (Ecole sec Notre Dame des Grands Lacs) (\$30)

*First-place, second-place, and third-place winners in Best of Fair – and perhaps some of this year's Honourable Mentions – can all travel to the Canada-wide national competition being held May 12-19 in **Ottawa, Ontario**. Alternate award-winning projects may go if the primary winners cannot attend.*

## Alfred R. Askin Shields

*(for best school team participation and excellence in each division)*

1. Senior School (grades 11-12): **Korah C&VS**

2. Intermediate School (grades 9-10): **St. Mary's College**

3. Junior School (grades 7-8): **Korah C&VS**

## Awards for Best Project in Each Age Category

### **1<sup>st</sup> Place Junior**

*TENARIS Award, \$80*

“GGATS: GPS Guided Autonomous Transport System” – Shail Giroux (Korah C&VS)

### **1<sup>st</sup> Place Intermediate**

*TENARIS Award, \$80*

“You Are What Tree You Eat” – Julie Delorme and Raili Kary (St. Mary’s College)

### **1<sup>st</sup> Place Senior**

*TENARIS Award, \$80*

“Out With the Mold: Effect of Increasing Concentrations of Wildflower Honey and Calcium Propionate on Mold Surface Area” – Julia Casagrande (Korah C&VS)

### **2<sup>nd</sup> Place Junior**

*Don Wallace Memorial Award, \$60*

“Let it Snow?” – Vera Antunes and Brooke Donnelly (Anna McCrea)

### **2<sup>nd</sup> Place Intermediate**

*Don Wallace Memorial Award, \$60*

“Crush This!” – Amelia Spacek (Ecole sec Notre Dame des Grands Lacs)

### **2<sup>nd</sup> Place Senior**

*Don Wallace Memorial Award, \$60*

“Bromelain vs Whey Protein” – Mitch Fillmore (Korah C&VS)

### **3<sup>rd</sup> Place Junior**

*Algoma Award, \$40*

“Home Remedy vs Store Bought Herbicides” – Erica Groot and Alicia Groot (Korah C&VS)

### **3<sup>rd</sup> Place Intermediate**

*Algoma Award, \$40*

“Thermodynamic Power Saver: A Drain Water Heat Recovery System” –  
Daphné Dupuis and Mya St. Jean (Superior Heights)

### **3<sup>rd</sup> Place Senior**

*Algoma Award, \$40*

“A UREAality Check: How Over-Fertilization Affects Vitamin A Content in Wheatgrass” –  
Sanskriti Patel (Korah C&VS)

## Special Sponsored Awards

### Professional Engineers of Ontario Awards (2)

*Most Innovative Development, Adaptation, or Use of Technology in any subject area, \$125 each*

"GGATS: GPS Guided Autonomous Transport System" – Shail Giroux (Korah C&VS)

"Innovative Alternative Fuel" – Daria Humeniuc (Korah C&VS)

### TENARIS Robotics Award

*Innovative Use of Robotics, \$100*

"GGATS: GPS Guided Autonomous Transport System" – Shail Giroux (Korah C&VS)

### HealthGear Medical Health & Safety Award

*Demonstrating principles of health & safety in preventing or reducing injuries and/or illness, \$50*

<< not awarded this year >>

### Superior Digital Solutions Mathematics Award

*Excellence in Mathematics, \$50*

"Crush This!" – Amelia Spacek (Ecole sec Notre Dame des Grands Lacs)

### Algoma Computer Science Award

*Excellence in Use of Computer Technology, \$50*

"GGATS: GPS Guided Autonomous Transport System" – Shail Giroux (Korah C&VS)

### Gary Rahn Memorial Awards (2), Sault Naturalists

*Gary Rahn Natural History Award, \$50*

"How Do Flowers Still Bloom?" – Rainbow Assiniwai (Korah C&VS)

*Gary Rahn Green Thinking Award, \$50*

"Purifying Water with Cilantro" – Teely Hopkin (Korah C&VS)

### Attilio Berdusco Health Science Award

*Dealing With Human Biology & Health, \$70*

"Antacid pH-un: The Effect of Antacids on the pH of Gastric Acid" – Megan Aikens (Korah C&VS)

### Algoma University Most Deserving Senior Project

*\$1,000 Entrance Scholarship Award*

"Out With the Mold: The Effect of Increasing Concentrations of Wildflower Honey and Calcium Propionate on Mold Surface Area" – Julia Casagrande (Korah C&VS)

### University of Ottawa Most Deserving Senior Project

*\$1,000 Entrance Scholarship Award*

"Effects of Citric Acid on Tooth Enamel" – Olivia Melisek (Korah C&VS)

## **Judges' Awards (Donated by United Steel Workers 2724)**

*Up to 3 discretionary prizes awarded in recognition of a deserving project in specific subject areas, \$50 each*

### **United Steel Workers 2724 Judges' Award – Sport Science**

*Application of science to sports...*

"Music Motivates" – Domanique Camara and Rachel Reed (Superior Heights)

### **United Steel Workers 2724 Judges' Award – Scientific Communication**

*Best communication of scientific thought and results, including a combination of written, oral, and visual presentation...*

"Solar Power from Natural Anthocyanin Dye" – Saurodeep Majumdar (Korah C&VS)

### **United Steel Workers 2724 Judges' Award – Individual Merit**

*Recognizing an individual student with an exceptional solo project...*

"Preventing Phone Batteries From Depleting in the Cold" – Ava Zwimer (Queen Elizabeth)

## **2018 Rotary Science Fair Statistics**

This year's competition was our **31<sup>st</sup>** annual science fair!

86 Projects Total: 55 Junior (Grades 7-8), 12 Intermediate (Grades 9-10), 19 Senior (Grades 11-12)

129 Students Total: 92 Junior, 18 Intermediate, 19 Senior

13 schools represented from Sault area

25 Judges (local scientists, engineers, and technical professionals)

Science Fair Trivia: This isn't the first time that a team of twins has captured an award!

Science Fair Quote:

"Students are judged according to the quality of the science they do, not necessarily the topic they pick. Just because it's a trending topic doesn't mean it's going to win the fair. If it's good science, it'll win the fair. And good science is where the student can sit down, think of a topic, think of a challenge or a problem to solve, and actually go and do it." - Deputy Chief Judge Dan Pernokis to SooToday

### **SSM Rotary Club Science Fair**

Paul Walz & Dante Carlascio, Co-Chairs