



# Connecticut Science Fair

## Quinnipiac University

### March 13 - 17, 2012

*These judging results are unaudited by the fair's Database Committee. The CSF reserves the right to correct the listings.*

## Final Judging Results

### Award Legend

Trophy Winners = 1, 2, ...  
Medalists = m  
Winners = w

## Future Sustainability

[SchTown] [School] [Teacher]  
[Proj#] [FCat] [Project Title]

## High School

**Redding** Joel Barlow High School Katherine Nuzzo

6076 PS Surfactants: Emulsification Effects of Synthetic, Microbial and Plant-Derived Surfactants

**Award** 1 **Student(s)** Morgan Jordan **Grade** 12 **Town** Easton

- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- 1st Place High School - \$800 Cash, Trophy, and Trip to Compete I-SWEEEP, Houston
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for High School Student
- I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor - 1st Place HS Future Sustainability

**Manchester** East Catholic High School Ms. Holly Noble

6002 PS Polyvinylidene Fluoride (PVDF) Piezoelectric Generator: A Novel Approach to Harvesting Vibrations from Human Respiration to Power Biological Implant Devices

**Award** 2 **Student(s)** Bridget Oei **Grade** 10 **Town** Hebron

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Individual - \$300 & trophy, trip to compete at Intel ISEF
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- High School Finalist - Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Trophy
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- 2nd Place High School - \$500 Cash and Trophy and Trip to Compete I-SWEEEP, Houston
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Alexion Biotechnology Awards --- 5th Place- Biotechnology Senior High- trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate1
- CT Technology Council Youth Innovation Award --- \$150 Cash Award for Technological Innovation
- I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor - 2nd Place HS Future Sustainability

**Greenwich** Greenwich High School Andrew Bramante

3042 LS Mycoremediation of PCB Soil Contaminants with Pleurotus Ostreatus

**Award** 3 **Student(s)** Mallory Madfes **Grade** 11 **Town** Greenwich

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences Senior High- \$200 & trophy
- Audubon Connecticut & Arch Chemicals Environmental Awards --- 3rd Place HS- \$100, Trophy, Audubon gifts
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSF
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Environmental



# Connecticut Science Fair

## Quinnipiac University

### March 13 - 17, 2012

*These judging results are unaudited by the fair's Database Committee. The CSF reserves the right to correct the listings.*

## Final Judging Results

### Future Sustainability

#### Award Legend

Trophy Winners = 1, 2, ...  
Medalists = m  
Winners = w

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

**Greens Farms** Greens Farms Academy Tracy Haswell

3026 LS Algae Biodiesel

Award m

Student(s) Emily Petno

Grade 12 Town New Canaan

- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- eesmarkets/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Greenwich** Greenwich High School Andrew Bramante

3070 LS Non-Invasive Dissipation of 2,4-D Pesticide in Standing Water Using Iris Versicolor

Award m

Student(s) Anne Merrill

Grade 10 Town Old Greenwich

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- eesmarkets/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- Stockholm Junior Water Prize --- Certificate, Letter, \$50 gift card to Amazon given by CSF, possible advance to further competition

**Greenwich** Greenwich High School Andrew Bramante

6032 PS Design of a Smart Brick with Improved Insulation and Intuitive Reflection of Sunlight

Award m

Student(s) Lindsey Noskin

Grade 11 Town Greenwich

- Dominion's Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences Senior High Individual - trophy
- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Trophy
- eesmarkets/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- The National Society of Professional Engineers --- Certificate, Lapel Pin, \$50 gift card to Amazon given by CSF
- Connecticut Architecture Foundation --- \$100 Gift Certificate to Barnes and Nobles
- Northeast Utilities: Environmental Management --- Senior - \$250 Scholarship, energy conservation and renewable energy sources
- Society of Women Engineers - Hartford Section --- Scientific Calculator
- University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificate
- I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition Invitation to submit-
- Education Connection- Center for 21st Century Skills Awards --- \$100 For innovation in science or engineering

**Greenwich** Greenwich High School Andrew Bramante

6075 PS Application of iDS-PBR to Prolongate Algal Photobiolysis in *C. Reinhardtii*

Award m

Student(s) Thomas Yang

Grade 11 Town Greenwich

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- eesmarkets/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award



# Connecticut Science Fair

## Quinnipiac University

### March 13 - 17, 2012

*These judging results are unaudited by the fair's Database Committee. The CSF reserves the right to correct the listings.*

## Final Judging Results

### Future Sustainability

#### Award Legend

Trophy Winners = 1, 2, ...  
Medalists = m  
Winners = w

[SchTown] [School] [Teacher]  
[Proj#] [FCat] [Project Title]

**Norwich** Norwich Free Academy Mrs. Jones

6016 PS Utilizing a Robotic Turning Mechanism to Focus on the Sun in Order to Maximize the Efficiency of a Parabolic Trough Water Heating System

**Award** m **Student(s)** Remington Carle **Grade** 11 **Town** Norwich

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Connecticut Association of Physics Teachers --- \$100 Senior project
- IEEE, Connecticut Section --- \$100 Honorable Mention
- I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor

**Putnam** Putnam Science Academy Serdar Haytiyev

3515 LST Environmentally Friendly Photodegradation of Aliphatic Pollutants in Water by Using Visible Light Activated Chlorophyll

**Award** m **Student(s)** Almas Myrzatay **Grade** 10 **Town** Putnam  
Selman Avci **Grade** 10 **Town** Middletown  
Muhammed Kose **Grade** 10 **Town** Putnam

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Putnam** Putnam Science Academy Serdar Haytiyev

6503 PST Effective Removal of BTEX from Industrial Wastewater by Using Banana Peels as an Environmentally Friendly and Low-Cost Bio-Sorbent

**Award** m **Student(s)** Serik Tukupov **Grade** 11 **Town** Putnam  
Vali Gasimov **Grade** 11 **Town** Putnam  
Humza Ahmed **Grade** 11 **Town** Tolland

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition Invitation to submit-