

# 2022 Special Awards Winners

## **AFCEA - Philadelphia Chapter**

is awarding these prizes to the best high school science research projects related to communications, intelligence or information systems fields.

*1<sup>st</sup> Place \$200 - Sooraj Tharumia*

*2<sup>nd</sup> Place \$150 - Siddhant Khandelwal*

*3<sup>rd</sup> Place \$100 - Zachary Ingram*

*Honorable Mention \$50 - Pranavh Vallabhaneni*

## **Air Products Engineering Innovation Award**

is presented to students that demonstrate innovation in engineering.

### 9th Grade

*1<sup>st</sup> Place \$250 - Brandon Cai*

*2<sup>nd</sup> Place \$150 - Colin Coleman*

*3<sup>rd</sup> Place \$100 - Vidya*

*Jayaprakash*

### 10th Grade

*1<sup>st</sup> Place \$250 - Arjun Tschand*

*2<sup>nd</sup> Place \$150 - Kailey Miller*

*3<sup>rd</sup> Place \$100 - Chloe Smith*

### 11th Grade

*1<sup>st</sup> Place \$250 - Okezue Bell*

*2<sup>nd</sup> Place \$150 - Varun Vadhera*

*3<sup>rd</sup> Place \$100 - Holly Binkowski*

## **American Entomological Society - Calvert Award**

is awarded to outstanding accomplishments in insect-related study, preferably relating to local species.

All winners receive a monetary award, a certificate, a one year membership in AES, and an invitation to an AES meeting in the spring.

*1<sup>st</sup> Place \$100 - Julianna Wright*

*2<sup>nd</sup> Place \$50 - Clara Oxford*

*3<sup>rd</sup> Place \$25 - Tyler Iyengar*

## **American Meteorological Society**

is awarding Certificates of Outstanding Achievement to winning projects for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences. All winners receive a certificate.

*Tess Dills*

*Bradley Evans*

*Joseph Fossa*

*Kendyl Freeman*

*Miranda Lynch*

*Aayati Patel*

*Mia Peng*

*Surya Sheikh*

*Olivia Szymkiewicz*

*Brooke Wassmann*

## **American Psychological Association**

is pleased to award certificates to outstanding research projects in psychological science. Winners receive a certificate of achievement.

*Delanie Jordan*

*Caleb Sigelman*

*Arnab Sircar*

*Jakob Unterlack*

*Lance Xu*

## **American Society for Microbiology - Eastern PA**

is honoring outstanding projects related to the field of microbiology.

*Grand prize \$100 and certificate - Rayan Jawa*

*Honorable Mention certificate - Anand Shah*

*Honorable Mention certificate - Alaina Steck*

### **American Society of Civil Engineers - Philadelphia Section**

presents these civil engineering awards to projects with evidence of technical competence that promote the advancement of the profession.

*1<sup>st</sup> Place - \$100, plaque, and invitation to the virtual Spring Social*

*HS – Jue Gong*

*MS – Logan Hancik*

*2<sup>nd</sup> Place - \$75 and plaque*

*HS – Katherine Fang*

*MS – Aisling Donahue*

### **American Society of Highway Engineers - Delaware Valley Section**

is awarding these prizes to outstanding highway-related projects.

*1<sup>st</sup> Place \$300 and framed certificate - Saptak Das*

*Honorable Mention certificate – Luke Hu*

*Honorable Mention certificate – Sonia Leo*

### **American Society of Naval Engineers - Delaware Valley Section**

is proud to award prizes to projects that span virtually all fields of science and engineering, as applied to Navy vessels and aircraft. Each winner receives \$500 and a certificate.

*Pranati Jammalamadaka*

*Aum Purani*

### **American Statistical Association, Philadelphia Chapter**

is awarding a \$150 prize to science fair projects demonstrating the best use of statistics.

*Tushar Mehta*

*Bryan Wu*

*Ashley Zhou*

### **ASM International Philadelphia Liberty Bell Chapter**

awards a cash prize and an ASM medallion to the best materials engineering projects based on use of material-related concepts, a demonstration of some aspect of the materials paradigm, and a quality presentation.

*Deven Chakrabarti*

*Grace Leavitt*

*Hudah Rana*

### **Association for Women Geoscientists**

presents these certificates to female students whose projects exemplify high standards of innovativeness and scientific excellence in the geosciences, with special consideration to increasing public awareness of the geosciences, illustrating the interdisciplinary nature of the geoscience, or promoting the sensitivity to the earth as a global system.

*Ellie Noh*

*Olivia Reiber*

*Harper Steele*

*Karen Tsang*

### **Broadcom Coding with Commitment Award**

recognizes a middle school project that combines STEM knowledge and computation/coding in the project's research, design, or development that expresses passion for helping or improving one's community. The winner receives \$250 and a Raspberry Pi kit. *Emily Eayre*

### **Broadcom Department of Defense (DoD) STEM Leadership Prize**

is presented to a middle school project that excels in STEM knowledge and technical skills, demonstrates problem-solving skills and determination to overcome challenges throughout their research project, and exemplifies leadership qualities through excellent communication skills and creative thinking. The winner will receive \$100.

*Aum Purani*

### **Chromatography Forum of Delaware Valley**

is honored to recognize the accomplishments of talented young men and women whose research projects utilized principles and techniques of chromatography and separation science.

*HS 1<sup>st</sup> Place \$100 - Hudah Rana*

*MS 1<sup>st</sup> Place \$100 - Chirayu Daniel*

*HS 2<sup>nd</sup> Place \$75 - Aayush Kevadia*

*MS 2<sup>nd</sup> Place \$75 - Aayona Vikram*

*HS 3<sup>rd</sup> Place \$50 - Aashka Sevak*

*MS 3<sup>rd</sup> Place \$50 - Tyler Wood*

### **Delaware Audubon Society**

is awarding these prizes to students whose projects align with their mission of promoting species and habitat conservation, particularly those showing interest and promise in the study of birds. All winners receive a monetary award, certificate, and one year membership in the Delaware Audubon Society.

*1<sup>st</sup> Place \$100 - Likhitha Inampudi*

*2<sup>nd</sup> Place \$50 - Lillian Lorenc*

*3<sup>rd</sup> Place \$25 - Paige Shelton*

### **DOW Chemical Award**

is presented to projects that demonstrate a good understanding of the subject being tested and thorough analysis of the experimental results. The first place winners will receive \$300 and the second place winners will receive \$200.

*HS 1<sup>st</sup> Place \$300 - Atharv Awasthi*

*MS 1<sup>st</sup> Place \$300 - Sonia Leo*

*HS 2<sup>nd</sup> Place \$200 - Deven Chakrabarti*

*MS 2<sup>nd</sup> Place \$200 - Atharv Rajesh*

### **Drexel University - Dept. of Biodiversity, Earth, and Environmental Science**

is proud to honor sophomores and juniors that best exemplify their mission of promoting the comprehensive understanding of the earth and environment through inquiry-based, experiential, interdisciplinary scientific education and research.

*1<sup>st</sup> Place \$100 and full scholarship to a Drexel Environmental Science Leadership Academy this summer - Katherine Fang*

*2<sup>nd</sup> Place \$100 – Danielle Lee*

*3<sup>rd</sup> Place \$100 - Victoria Yakes*

*Honorable Mention certificates - Saranya Anantapantula and Anthony Billotti*

### DuPont Excellence in Teaching Award

The DuPont Excellence in Teaching Award salutes teachers for many years of dedication and service to the Delaware Valley Science Fairs and support of STEM education in their communities. The winning teachers receive \$500, a plaque, and an all-expenses paid trip to the International Science and Engineering Fair.

*Daniel Christman from Springhouse Middle School*

*Elizabeth Kenna from Cedarbrook Middle School*

### Engineers' Club of Philadelphia

honors future leaders in the engineering field to ensure excellence in engineering continues for generations to come. Each winner will receive \$200 and a personalized plaque.

*Chaohan Ji*

*Ethan Maher*

*Will Pressler*

### FMC Corporation

is presented to the DVSF participants who, through their research projects, demonstrate an outstanding understanding and promise in the field of plant sciences.

*1<sup>st</sup> Place \$250 - Paraskevi Kontomaris*

*2<sup>nd</sup> Place \$150 - Malavika Menon*

*3<sup>rd</sup> Place \$100 - Sreeja Paruchuri*

*Honorable Mention - Saranya Anantapantula*

*Honorable Mention - Ranvith Adulla*

### Henry Disston Director's Award

This award goes to a student that has participated in DVSF all through middle school and high school, but may not have received the big awards. We believe her perseverance and commitment to STEM research should be acknowledged. This year's \$500 and trophy for the 2022 Henry Disston Director's Award goes to

*Gabriella Kantor from Avon Grove Charter Upper School.*

### Institute of Electrical and Electronics Engineers - Philadelphia Section

is pleased to present these awards for excellence and outstanding effort in the development and construction of projects in the IEEE fields of interest.

*1<sup>st</sup> Place \$300 and plaque – Siddhant Khandelwal*

*2<sup>nd</sup> Place \$200 and plaque – Chaohan Ji*

*3<sup>rd</sup> Place \$100 and plaque - Vibha Gunturi*

*Honorable Mention \$50 and certificate - Sonia Leo*

### Janssen Biotechnology Research

recognizes excellence in biotechnology or pharmaceutical science.

*1<sup>st</sup> Place \$250 – Maya Butani*

*2<sup>nd</sup> Place \$200 – Ashley Zhou*

*3<sup>rd</sup> Place \$150 – Grace Leavitt*

*Honorable Mention \$100 - Srinithi Krishnamoorthy, Srilekha Mamidala, Anish Pallod, Shawn Wang and Jason Yang*

### Janssen Cardiovascular and Metabolic Research

recognizes science projects that demonstrate excellence in cardiovascular and metabolic research.

*1<sup>st</sup> Place \$250 – Blake Cregg-Wedmore*

*2<sup>nd</sup> Place \$200 – Samuel Wang*

*3<sup>rd</sup> Place \$150 – Anika Kaushal*

*Honorable Mention \$100 - Tino Karakousis, Krish Malik and Shravani Vedagiri*

### **John C. Sargent Jr. Memorial Award**

This award honors the memory of John C. Sargent Jr. by recognizing an outstanding science research project in aerospace, GPS, or some other type of communication. The student will be receiving \$500 and a certificate.

*Everett McCrea*

### **The Lemelson Foundation partnered with Society for Science**

to award The Lemelson Early Inventor Prize to the top inventor, for exemplifying the ideals of inventive thinking by addressing a challenge seen in the community and creating a solution that will improve the lives of others. The winner receives \$100 and a certificate.

*Kai Unwin-Wisnosky*

### **Merck Science Achievement Award**

honors excellent projects relating to drug discovery and human health. Each winner will receive \$100 and a certificate.

*Srinithi Krishnamoorthy*

*Sabrina Leong*

*Maggie Liu*

*Krish Malik*

*Vedant Malik*

*Anish Pallod*

*Ryan Paul*

*Ishita Saxena*

*Junran Zhao*

*Pauline Zhuang*

### **Mid-Atlantic Society of Toxicology Award**

recognizes the best science research project with a strong toxicology focus. The winner will receive \$300 and a certificate.

*Vishruth Hanumaihgari*

### **Mu Alpha Theta Award**

Mu Alpha Theta recognizes projects that demonstrate the most challenging, original, thorough, and creative investigation of a problem involving mathematics. Each student will receive a certificate.

*Atharv Awasthi*

*Saptak Das*

*Kevin Liu*

*Anika Mehta*

### **NASA Earth System Science Award**

presents this award to projects that best demonstrate insight into Earth's interconnected spheres, including studies of the different spheres of the Earth system, their interactions and change over time. Each student receives a certificate of achievement.

*Max Bradshaw*

*Elise Olmstead*

*Margaret Petren*

### **National Oceanic and Atmospheric Administration**

presents the Taking the Pulse of the Planet Award to projects whose research emphasizes its mission to understand and predict changes in climate, weather, oceans, and coasts, to share that knowledge and information with others, and to conserve and manage coastal and marine ecosystems and resources. Each student receives a certificate of achievement.

*Noah Benz*

*Aislinn Crowe*

*Katherine Fang*

*Flora Morris*

*Karen Tsang*

### Office of Naval Research Naval Science Award

The United States Navy and Marine Corps take pleasure in recognizing projects that demonstrate student learning about the chosen subject and scientific process, as well as the ability to discuss the work intelligently. High school students will receive \$50, a medallion and a certificate. Middle school students will receive a medallion and certificate.

#### High School

*Ranvith Adulla*  
*Victor Cai*  
*George Gunn*  
*Miranda Lynch*

#### Priya Mancheril

*Kailey Miller*  
*Arjun Tschand*  
*Theodor Urban*  
*Rishab Yanala*

#### Middle School

*Logan Hancik*  
*Pranati Jammalamadaka*  
*Sonia Leo*  
*Will Lorenzi*  
*Quy Pham*

### Parenteral Drug Association - Delaware Valley Chapter

awards excellent research relating to studies with an impact on human health. Each student receives \$500 and a certificate.

*Vidhi Desai*  
*Vedika Deshpande*  
*Katherine He*  
*Rayan Jawa*  
*Isha Kanchana*

*Krish Malik*  
*Anish Pallod*  
*Mithilan Rengapragash*  
*Anand Shah*  
*Matthew Uppani*

### Pennsylvania Council of Professional Geologists

is awarding this prize to an exemplary earth science project. The student receives \$500 and a certificate.

*Katherine Fang*

### Pennsylvania Society of Professional Engineers

proudly recognizes projects exhibiting the promise of future engineering excellence.

*1<sup>st</sup> Place \$50 and certificate – Brandon Cai, Sophia D’Isabella, Zachary Finley, Chaohan Ji, Atharv Rajesh*

*2<sup>nd</sup> Place \$25 and certificate - Varsha Borkar, Kieran Corson, Vidya Jayaprakash, Anas Suleiman, Sooraj Tharumia*

### Philadelphia Society for Coatings Technology

awards projects that foster a better understanding of the technology required in the manufacture of paints and coatings, and the development of more environmentally safe products. Winners receive a cash prize and certificate. The teams will split the cash awards equally.

*1<sup>st</sup> Place \$300 - Team of Mara Ankenman and Katie Fradkin*

*2<sup>nd</sup> Place \$200 - Shipra Kapoor*

*3<sup>rd</sup> Place \$100 – Team of Jessica Baek and Brianna Baldwin*

### Regeneron Biomedical Science Award

recognizes a high school project that demonstrates command of and passion for science, exemplifies traits of a driven thinker, demonstrates flexibility and a continuous learner mindset, embodies traits of an inspiring leader, and embodies a drive to use science for good. The winner receives \$500 and a certificate.

*Maya Butani*

### Ricoh Sustainable Development Award

would like to recognize science research projects whose principles and technical innovations offer the greatest potential for increasing the ability to grow environmentally friendly and socially responsible businesses. Each winner will receive a certificate.

*Katherine Fang*  
*Reva Gandhi*

*Shealyn Lawless*  
*Brianna Melanie Suliquin*

*Arjun Surjawanshi*

### **Roy F. Weston Memorial Award**

honors the ability and creativity of student research in environmental sciences. Each winner will receive \$500 and a certificate.

*Saranya Anantapantula*

*Arjun Tschand*

### **SAPA-GP Song Li Award**

recognizes student research that aligns with their mission statement to promote pharmaceutical sciences and biotechnology, contribute to public health education by raising public awareness, facilitate scientific and business cooperation, and foster the career development of pharmaceutical professionals. Each winner will receive \$100 and a certificate.

*Diya Agarwal*

*Maya Butani*

*Jared Cannon*

*Ishita Saxena*

*Katie Young*

*Ashley Zhou*

### **Society for In Vitro Biology**

is proud to recognize outstanding student research in the areas of plant or animal in vitro biology or tissue culture. Each student receives a certificate of achievement.

*Matthew Brownrigg*

*Kayla D'Eletto*

*Devyn Stek*

*Lucy Wang*

### **Society of Environmental Toxicology and Chemistry - Hudson Delaware Chapter**

honors high school projects that promote the development of principles and practices for protection, enhancement and management of sustainable environmental quality and ecosystem integrity.

*1<sup>st</sup> Place \$150 - Sangeetha Bhuyan*

*2<sup>nd</sup> Place \$75 - Saranya Anantapantula*

*3<sup>rd</sup> Place \$25 - Anna Weatherwax*

### **Society of Tribologists and Lubrication Engineers - Philadelphia Section**

honors student research that relate to lubrication or corrosion prevention. Each student will receive \$100 and a certificate.

*Maya Abdelaal*

*Jared Cannon*

*Priya Mancheril*

*Rachel Ott*

*Sam Vo*

### **US Agency for International Development**

proudly recognizes projects that demonstrate scientific excellence and use science innovatively to create a potential solution to international development challenges. Each student will receive a certificate.

*Kareem Boukari*

*Zachary Finley*

*Reva Gandhi*

*Kailey Miller*

### US Air Force

is proud to pay tribute to young high achievers that will strengthen the nation's STEM future through their ideas and imaginations. Each student will receive a certificate.

*Kieran Corson*

*Sam Hassler*

*Kyle Leonard*

*Joseph Richards*

*Bryan Wu*

### US Department of Agriculture Eastern Regional Research Center

honors students with the Future Scientist Award for having meritorious projects dealing with agricultural research. Each student will receive a certificate and an invitation to the Future Scientist Day Event.

*Maryam Abdel-Azim*

*Sunskriti Gupta*

*Atharv Rajesh*

*Diya Agarwal*

*Niharika Inampudi*

*Sarah Beth Sandifer*

*Jasmine Alvarez*

*Jallah Kennedy*

*Brianna Melanie Suliguin*

*Sangeetha Bhuyan*

*Grace Leavitt*

*Chloe Uy*

*Rowan Chetty*

*Daniel Lin*

*Advika Vuppala*

*Mari Dopler*

*Kaileigh Morris*

*Andrea Wat*

*Varun Gabbita*

*Aum Patel*

*Jonathan Zhang*

*Reva Gandhi*

*Ranjit Rajapakse*

### US Metric Association

honors science research projects that involve measures and expresses those measures consistently and correctly in SI metric. Each student will receive a certificate.

*Bradley Evans*

*Katherine He*

*Phoebe Vallapureddy*

*Julianna Wright*

### US Stockholm Junior Water Prize

honors science research that addresses water pollution and/or are water resource projects. Each winner receives a certificate of achievement.

*Carmela Jenckes*

*Mia Peng*

*Parth Vaidyanath*

*Anna Weatherwax*

### West Pharmaceutical Services

is proud to recognize science projects that demonstrate creativity and scientific thought in the areas of research and innovation. Each individual HS project winner will receive \$300. Each individual MS winner will receive \$200. Each team will split \$1200 between its members.

*Biochemistry Awards: Mikail Jaffer and Kaileigh Morris*

*Chemistry Awards: Katherine He and Sophia Pavone*

*Engineering Awards: Pranavh Vallabhaneni, Aayan Khan and Will Pressler*

*Medicine and Health Awards: Blake Cregg-Wedmore*

*HS Team Award: Victoria Farley, Danielle Murat and Abby Stephens*

*MS Team Award: Aanya Chanda, Prisha Parekh and Jessica Yao*



### **WL Gore and Associates**

sponsors three awards. Each honors students with \$100 for first place, \$50 for second place and \$25 for third place. The Extreme Engineering Challenge honors projects that demonstrate advanced skills in the engineering design process.

*1<sup>st</sup> Place - Victor Cai, 2<sup>nd</sup> Place Mari Dopler and 3<sup>rd</sup> Place Parmesh Sivakumar*

The Innovation Award recognizes projects that demonstrate exceptional creativity and innovation in science research.

*1<sup>st</sup> Place Aayush Kevadia, 2<sup>nd</sup> Place Samuel Wang, 3<sup>rd</sup> Place Zachary Ingram*

The Material Science Research Award honors outstanding material science research projects.

*1<sup>st</sup> Place team of Nicole Nguyen, Olivia Takla and Lakshmi Yannam, 2<sup>nd</sup> Place Arnav Tiwari and 3<sup>rd</sup> Place Atharv Rajesh*

### **Yale Science and Engineering Association**

recognizes outstanding 11th grade projects in Chemistry, Computer Science, Engineering, Mathematics and Physics. Each student will receive a certificate and medallion.

*Okezue Bell*

*Deven Chakrubati*

*Kevin Liu*

*Samuel Wang*

*Nathan Zhao*

## **\*\*\* SCHOLARSHIPS \*\*\***

### **Botstiber Foundation Award**

The Botstiber Foundation awards a student with an \$8000 unrestricted scholarship. This is distributed at \$2000 per year for four years pending maintenance of full-time status and a minimum of 3.0 GPA.

*James Lee*

### **Harrisburg University of Science and Technology**

The Science and Technology Scholar Award is given to all high school seniors and juniors participating in the Delaware Valley Science Fairs. It will cover up to \$1500 for four (4) academic years at Harrisburg University of Science and Technology and is renewable each year. This will be in addition to any Merit Scholarship Award the student receives upon application and admission to the university. To redeem this award, the student must be granted a regular, full-time admission to HU for the Fall semester immediately following graduation from high school. Please be sure to read the award letter carefully for more details about eligibility.

*In 2022, this award was offered to 266 students from the Delaware Valley Science Fairs.*

## **\*\*\* Broadcom MASTERS \*\*\***

Every 1st, 2nd, and 3rd place winner in the Middle School individual categories and the first place Team members are eligible to enter the Broadcom MASTERS competition. This is often called the "ISEF of Middle School." Students receive an entry packet that they must complete to register themselves for the Broadcom MASTERS competition.

*Shreevas Arun Prasad*

*Sohum Bandyopadhyay*

*Noah Benz*

*Caroline Brittingham*

*Yuktha Bungatavula*

*Asha Chakrabarti*

*Rowan Chetty*

*Abigail deCosta*

*Sruthi Desikan*

*Emily Eayre*

*Suhani Faldu*

*Margarita Garcia*

*Katherine Gilchrist*

*Avery Harris*

*Tyler Iyengar*

*Zainab Jaffer*

*Sophie Kalish-Schur*

*Aryan Kapoor*

*Ahjung Kim  
Anna Kost  
Luke Kroll  
Jaya Lawrence-Gupta  
Sonia Leo  
Shannen Lu  
Vedant Malik  
Jack McGrath  
Anika Mehta*

*Tushar Mehta  
Kaileigh Morris  
Anish Pallod  
Juliana Panco  
Khushbu Pandya  
Stéphane Pascual  
Victoria Puente  
Aum Purani  
Atharv Rajesh*

*Nithilan Rengapragash  
Norma Sawan  
Ethan Shlossberg  
Caleb Sigelman  
Thomas Solitro  
Kai Unwin-Wisnoski  
Cora Walesyn  
Ksenya Wong*