

Your Ohio Academy of Science newsletter has arrived!



www.ohiosci.org

OAS NEWSLETTER - FALL 2019, PART I

Dear Members, Friends and Volunteers:

The Fall Newsletter is filled with updates and information as we transition into a new academic year. To the researchers that provide unique contributions to science and its applications, thank you for choosing to participate in OAS programs and events. To the educators, mentors, and advisors, thank you for shaping the next generation of STEM talent. Lastly, to the members, sponsors, and volunteers, thank you for the support and the resources to make this happen.

The Ohio Academy of Science, and its Annual Meeting, is the common meeting ground of the scientific activities of the State of Ohio.

Did someone say, "Call for Papers"?

**The 129th Annual Meeting of
The Ohio Academy of Science
Saturday, April 18, 2020
Cleveland State University**



Cleveland State University 2121 Euclid Ave, Cleveland, Ohio 44115

This year's meeting will take place on Saturday, April 18th at Cleveland State University. Each year, the Academy brings together Ohio's scientists, engineers, educators, graduate, undergraduate and pre-college students to discuss recent developments in science and technology. The meeting is a science gathering with scientific sessions, renowned speakers, and valuable networking opportunities. The Ohio Academy of Science's Annual Meeting is for academic, governmental, and industrial scientists and engineers, university and pre-college educators, and pre-college, undergraduate, and graduate students, and interested lay citizens in the Ohio region. Annually the several hundred scientific presentations are complemented by workshops, symposia,

and an All- Academy Lecture. Whatever your scientific interests, this [Call for Papers](#) is your invitation to participate in the Annual Meeting of The Ohio Academy of Science to be hosted by Cleveland State University.

Professionals, college students of all levels, and pre-college students who have completed research may submit an abstract. The abstract submission must contain results. Acceptable abstracts will be published in the Program Abstracts issue of [The Ohio Journal of Science](#) (OJS). This publication assures that researchers across Ohio, elsewhere in the United States, and in dozens of foreign countries will have access to your work.

Research papers are welcome in ALL FIELDS of science, engineering, technology, education and their applications. Additional Information can be found [here](#).

Abstracts are now being accepted. During this call, abstracts are peer-reviewed and prepared for publication in [The Ohio Journal of Science](#).

Click here for the [Call for Papers](#).

The Ohio Journal of Science

Recently, *The Ohio Journal of Science, Vol 119, No.2* has published several high quality manuscripts. They include:

- [Coenzyme Q10 Supplementation Effects on In Vitro Maturation, Fertilization, and Early Embryonic Development in Pigs](#) by Caitlin Streacker, Brian D. Whitaker
- [Dimensional Stability of 3D Printed Parts: Effects of Process Parameters](#) by Elizabeth Azhikannickal, Aaron Uhrin
- [Attitudinal and Mathematical Assessments as Measures of Student Success in a College General Chemistry II Course](#) by Larry Kolopajlo
- [Influence of Process Methods on the Hepatoprotective Effect of Curcumin Analogs Synthesized from Culilawan Oil in Mice \(Mus musculus L.\) with CCl4 Induced Liver Damage](#) by Imanuel B. D. Kapelle, Wasmen Manalu, Meillisa C. Mainassy
- [Landscape Factors that Influence European Starling \(*Sturnus vulgaris*\) Nest Box Occupancy at NASA Plum Brook Station \(PBS\), Erie County, Ohio, USA](#) by Morgan B. Pfeiffer, Thomas W. Seamans, Bruce N. Buckingham, Bradley F. Blackwell

For more information on how to submit a manuscript, including author's guidelines, [please click here](#). Dr. Lynn E. Elfner, OJS Editor, can be reached at ojs@ohiosci.org.

[Here is the link for archived issues of the OJS](#)

The Ohio Technology Summit

The **Ohio Technology Summit** will be held on Tuesday, October 29, 2019 from 9:00 am - 4:00 pm at The Point at Otterbein University, Westerville, Ohio. OTS is a program of [The Ohio Technology and Engineering Educators Association](#)

This conference is where education leaders and technology experts converge to exchange techniques and strategies for teaching and learning success. While attending the OTS, educators will have the opportunity to explore the hands-on integration of technology across the curriculum - from Kindergarten to College. Sessions will benefit Elementary, Middle and High School Teachers, Librarians and After School program leaders.

Please visit www.ohiosummit.org for more information.

Ohio Academy of Science Melvin Scholars

Each year, The Ohio Academy of Science selects the top pre-college students who presented at the Annual Meeting. These students are recognized as Melvin Scholars, and have been selected to represent Ohio at the American Junior Academy of Science (AJAS) Conference, held in conjunction with the American Association for the Advancement of Science (AAAS) Annual Meeting. The Melvin Scholars will present their research, participate in symposia, field trips, plenary lectures with other students from across the country, as well as scientific professionals from around the world.

The Ohio Academy of Science is pleased to announce the 2019 Melvin Scholars. They include:

Laalitya Acharya - William Mason HS
Garrett Blum - University School
Jessica Chang - Hathaway Brown School
Ryan Devine - University School
Neha Devireddy - Beaumont School
Michelle Dong - Hathaway Brown School
Grace Elhindi - Beaumont School
Prajwal Guruprasad - University School

Ella Kazazic - Hathaway Brown School
Sophia Laye - Hathaway Brown School
Carmen Pape - Rutherford B. Hayes HS
Tejal Pendekanti- Hathaway Brown School
Shruthi Ravichandran - Hathaway Brown School
Anya Razmi- Hathaway Brown School
Arya Sambandan - Solon HS
Sejal Sangani- Hathaway Brown School
Mukund Seshadri - Dublin Coffman HS
Lina Zein - Hathaway Brown HS
Aaron Ziegler - Seven Hills HS

Ohio EPA Environmental Education Fund

Sixteen environmental science and engineering students have been awarded \$2,500 scholarships to complete their studies at Ohio colleges and universities. These scholarships are funded by the Ohio EPA's Environmental Education Fund. These students have demonstrated their knowledge and commitment to careers in environmental sciences or environmental engineering.

Since the scholarship program began in 2000, more than \$900,000 has been awarded statewide!

Ohio EPA Scholarship Winners-

- Legacy Barger, Marietta College
- Garrett Dildine, Ohio University
- Madeleine Gefke, Oberlin College
- Taylor Hrabak, The Ohio State University
- Eric Huber, Bowling Green State University
- Emily Keller, University of Mount Union
- Maria Kern, Ashland University
- Amanda Killian, The Ohio State University
- Naomi Kohler, Cedarville University
- Emma Lancaster, University of Cincinnati
- Madison Nadler, Wittenberg University
- Julie Platz, Otterbein University
- Adam Sanders, University of Cincinnati
- Nathaniel Steffensmeier, The Ohio State University
- Olivia Vasquez, Oberlin College
- Rebecca Woods, Cleveland State University

For more detail, please reference the [press release](#).

Beginning in the spring of 2020, the Ohio EPA's Scholarship Program will now offer scholarship awards of \$5,000 and \$2,500 for students of 4-year and 2-year college programs, respectively. Both rising juniors and seniors from 4-year programs will be eligible to apply. Eligibility also includes students from community colleges that have completed one full semester.

Melvin Scholar Reviewers and Ohio EPA Scholarships Reviewers

The Ohio Academy of Science would like to thank the following for reviewing Melvin Reports and Ohio EPA Scholarship Applications:

Dr. Barry Allred	Dr. Mark Gathany	Dr. Vicki Motz
Ms. Victoria Arnatelli	Dr. Karen Gil	Dr. Kenneth Oswald
Mr. Richard Benz	Mr. Lynn Gilliland	Dr. Yogendra Raut
Dr. Susan Carty	Mrs. Sheila Gross	Dr. Andrew Resnick
Mrs. Rachael Cully	Ms. Fang Huang	Dr. Chandra Sekar
Mr. John Davis III	Dr. Rafiq Islam	Mr. Rodney Sheets
Dr. Russell Decker	Mr. Kaiser Jaffar	Dr. Bruce Simonson
Mr. Madan Dev	Dr. Michael Kuhlman	Dr. Timothy Smith
Dr. Pankaj Dwivedi	Ms. Amy Lafreniere	Dr. Margaret Snyder
Dr. Lynn Elfner	Ms. Sharon Lang Morton	Mr. Aaron Treglia
Ms. Laura Fay	Dr. Jay Mager	Mr. Nadav Zohar
Dr. Timothy Fisher	Dr. Charles McClaugherty	
Ms. Jennifer Garver	Dr. Richard McNeely	

Believe in Ohio

The Ohio Academy of Science is pleased to announce the re-launch of the *Believe in Ohio* program. *Believe in Ohio* is a free, comprehensive, curriculum-based, STEM and entrepreneurship program for Ohio high school students. The program is designed to create a "Culture of Innovation" and to prepare students to meet the demands of a rapidly changing labor market by creating their own opportunities. *Believe in Ohio* is a program of The Ohio Academy of Science and was collaboratively developed by Entrepreneurial Engagement Ohio.

If the purpose of education is to prepare students for life, *Believe in Ohio's* mission is to increase their engagement in the learning process through STEM and entrepreneurship. Students gain valuable insights into real life applications of the skills they're being taught.

Funding is provided by the State of Ohio with support from the Ohio General Assembly and Ohio Department of Higher Education. Special thanks to our legislative champions Rep. Jay Edwards, Sen. Matt Dolan, Speaker Householder and Senate President Obhof, and Governor DeWine, for their work to restore this beneficial program.

A series of STEM Entrepreneurship & Innovation Forums will be held across the State of Ohio in October, November and early December with additional Forums planned in the Spring.

High school students attending a [STEM Forum](#) will participate in an extraordinary program that will provide them with a vision of what's possible and inspire them to apply what they're being taught in mathematics and the sciences. At the STEM Forum students will have an opportunity to interact with STEM researchers, entrepreneurs, and practitioners who will discuss how their ideas and visions can shape the future.

The following colleges and universities invite Ohio high school students to their campuses to learn and grow as critical thinkers:

- **Central Ohio:**

Ohio Wesleyan University, Thursday, November 14, 2019

The Ohio State University, Main Campus, Thursday, November 21, 2019

- **Northwest Ohio:**

The University of Toledo, Wednesday, November 13, 2019

Bowling Green State University, Main Campus, Date TBA

- **Northeast Ohio:**

Kent State University, Tuesday, October 29, 2019

John Carroll University, Thursday, November 7, 2019

Lorain County Community College, November 11, 2019

Cleveland State University, Tuesday, November 26, 2019

- **Southeast Ohio:**

University of Rio Grande, Thursday, October 17, 2019

Ohio University, Main Campus, Monday, November 18, 2019

- **Southwest Ohio:**

Edison State College, Tuesday, November 19, 2019

To find out more about the Believe in Ohio program and to register for a STEM Forum, please visit www.BelieveinOhio.org.

OAS Membership

It's time to renew your membership to The Ohio Academy of Science!

Some of the anticipated benefits include an events page, message board and online communications, membership engagement surveys, and service opportunities.

Members are to a membership-based organization as stockholders are to a publicly traded corporation. Members are charged with the responsibility of nominating and electing a board of trustees, or serving on committees that affect policy and procedural matters. Members, and their elected trustees, are the governing body of The Ohio Academy of Science.

If you are interested in supporting the Academy by joining as a member, please see our [members page](#) for more information, or send questions to info@ohiosci.org.

The Ohio Academy of Science is a membership based, volunteer-driven, not-for-profit, 501 (c) 3 organization and it's mission is to foster curiosity, discovery, and innovation by uniting all who value education, science, engineering, technology, or their applications to benefit society.

For more information about membership or sponsorship opportunities, please send an email to info@ohiosci.org or call 614-389-2182.

Sincerely,



Michael E. Woytek, Executive Director
The Ohio Academy of Science

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