Call for Abstracts
April 15, 2023
Hosted by
Edison State Community College
Piqua, OH

Abstracts must be received by February 21, 2023

About the Annual Meeting
The Ohio Academy of Science’s Annual Meeting is for academic, governmental, and industrial scientists and engineers, university and pre-college educators, 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.

Call for Abstracts
Whatever your scientific interest, this Call for Abstracts is your invitation to participate in the Annual Meeting of The Ohio Academy of Science to be hosted by Edison State Community College on April 15, 2023. Two basic options are available to present papers:
(1) professionals and college students of all levels, who have completed research may submit an abstract; abstracts must contain results
(2) college undergraduates only, may submit an Undergraduate Research-in-Progress Summary or an abstract if it includes research results.

All abstracts and Undergraduate Research-in-Progress Summaries will be peer-reviewed. After the meeting all abstracts will be published in the Program Abstracts issue of The Ohio Journal of Science (OJS). Research-in-Progress Summaries will be included after the results are added. This publication assures that researchers across Ohio, else where 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.

On the Web
Please see instructions https://www.ohiosci.org/annual-meeting/ for additional instructions.
How to prepare an ABSTRACT for peer review

An abstract must be prepared for each paper to be presented at the Annual Meeting. An abstract is a concise summary of the educational, scientific, engineering, or technological research contents of the paper, and not merely a general description of what the paper is about. Tell what the specific facts are, not what they are going to be when you talk. Avoid personal pronouns. Quality abstracts are highly structured and contain all of the following elements: (1) background or introduction including goals, objectives, purpose, problem and hypothesis, (2) methods and materials, (3) results, data or observations, and (4) discussion or conclusion(s). Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in an abstract. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Abstracts should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, critical data or formulae should be included. Names of new species should not be listed in the abstract, but use full scientific names for all organisms. Use the term “significant” only if you state the statistical test(s) used. Always define the sample(s), population or trials (N=?). NEVER use the phrase “Results show” without first stating the results. The value of abstracts is real and considerable, not only for those in attendance, but also for others unable to attend. All abstracts will be peer-reviewed. Acceptable final abstracts will be published in the program abstracts issue of The Ohio Journal of Science and shall be presented by the first author. The first author of multi-authored abstracts must obtain permission from all authors to submit the content of the abstract.

How to prepare a College Undergraduate Research-in-Progress Summary

The Ohio Academy of Science accepts undergraduate research that is unfinished by the abstract submission deadline as Undergraduate Research-in-Progress Summaries. Papers, based on the student's research, may be presented in either podium or poster format. This summary is a statement following the general typing and submission instructions for an abstract. Avoid personal pronouns. The summary shall contain the following elements in this order: (1) background or introduction including goals, objectives, purpose, problem and hypothesis, (2) methods and materials, and (3) if available, initial observations. Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in a summary. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Summaries should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, critical data, if available, or formulae should be included. Names of new species should not be listed in the summary, but use full scientific names for all organisms. State the statistical test(s) you plan to use and always define the expected sample(s), population or trials (N=?). NEVER use the phrase “Results show” without first stating the results. The value of summary is real and considerable, not only for those in attendance, but also for others unable to attend. Summaries shall be presented by the college undergraduate first author. It is the responsibility of the first author of multi-authored summaries to obtain permission from all authors and research advisor(s) to submit the content of the summary. All Undergraduate Research-in-Progress Summaries will be peer-reviewed. Acceptable final summaries will be published in the Program Abstracts issue of The Ohio Journal of Science after results have been added.

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Formatting and Submission Instructions

Your heading should be formatted using these guidelines; use 12 point Times New Roman or Century Schoolbook:

TYPE YOUR TITLE IN ALL CAPITAL LETTERS. Put a period “.” after the title. Leave a space then type your first, middle initial, last name, email and any other authors full name with emails. Do not type your last name in all capital letters. Put a comma “,” after your name and any other authors. Follow all author names by YOUR complete mailing address. Only the first author/presenter should have a complete mailing address. Your mailing address should have a comma “,” after each part of the address. Do not put comma “,” after the city and please use a two-letter state abbreviation (e.g. OH). For summaries include your advisor’s name in parentheses.

Skip one line and then type your abstract or summary.

SAMPLE #1 – Single author of an undergraduate research-in-progress summary
SEASONAL EFFECTS FOUND IN PLANKTON IN THE PORTAGE LAKES. Gary M. Walker, name@abc.edu, (Charles Smith, name@abc. edu), Mount Union College, 1972 Clark Ave, Alliance OH 44601. NOTE: Please use advisor’s full name without title.

SAMPLE #2 – Single author of an abstract
INVASION OF ALIEN PLANTS IN A RECLAIMED STRIP MINE, CARROLL COUNTY, OHIO. Jay Johnson, name@abc.edu, Muskingum College, Dept. of Biology, New Concord OH 43222.

SAMPLE #3 – Multiple authors of an abstract
A PRELIMINARY INVENTORY OF AQUATIC MACROINVERTEBRATE TAXA FROM RESTORED AND NATURAL WETLANDS OF THE BEAVERCREEK WATERSHED. Mary D. McIntosh, name@abc.edu, Jerry Vale, name@abc.edu, Brian T. Conn, name@abc.edu, Eric Ben, name@abc.edu, TJ Bury, name@abc.edu, University of Dayton, Dept of Biology, Dayton OH 54469–2320.

SAMPLE #4 – Multiple authors of an abstract from multiple institutions
FEEDING THE WORLD: SALT WATER FARMING. May Smith , name@abc.edu, Bran Wilson , name@abc.edu, Michael Bow , name@abc.edu, AJ Burk, name@abc.edu, University of Dayton, Dept of Biology, Dayton OH 45469–2320 and Ohio Department of Natural Resources, Division of Natural Areas and Preserves.

**Online Submission due by February 21, 2023**
at: https://projectboard.world/oas-annual-meeting/registration

Please contact us at info@ohiosci.org or 614–389–2182