

THE MIDLAND CHEMIST

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Chair Column

Erin Vogel, Chair, Midland Section ACS

This month I am excited to introduce you to one of our Midland Section ACS board members, who is also a science teacher at Midland High School. I hope you find his article as inspirational as I did! - Erin



As I begin to give an introduction of myself, I am reminded that I am not your typical Midland ACS Board Director. Most members on the Midland ACS board are associated with industry or higher education with a research background. While my background is a little bit different it is still rooted in science. My name is Michael Servinski and I am a high school science teacher at Midland High School.

I have been a high school educator for 28 years. My career has taken me to 3 schools and districts: EA Johnson High School, Mt. Morris (1996-97), Saginaw High School (20 years, 1997-2017) and Midland High School (2017-present). I have had the privilege of teaching all grade levels in most all subjects of science. I completed both my Bachelor of Science, focused on biology/natural science education, and a Master of Education in administration at Saginaw Valley State University.

I have lived in Midland, Michigan my entire life. My family are business owners in the area and that was the career path I thought I would be taking before a life-changing opportunity presented itself when I was 14. Just before my 8th grade year I attended a summer program at a catholic high school in Wisconsin. I was impressed

with many of the opportunities that it offered and visited the school a few more times before decided to attend. With the support of my parents and siblings I spent my four high school years at the all-boys catholic boarding school, St. Lawrence Seminary in Mt. Calvary, Wisconsin graduating in 1990. It was at St. Lawrence that two teachers influenced my decision to go into education. Mr. Dennis Holm was my high school biology and physical education teacher and athletic coach. Mr. Charles Lefeber was a physical education, science, health teacher and athletic coach. These two teachers showed how rewarding a career in education and service to a community can be by their interactions and investment of time to their students and players. They took time to make connections with their students and to get to know who their students were. Their example, dedication and love of teaching helped me decide to be a teacher of science. I continue to be in contact with both of these fine individuals and while I love my job, I am not sure that I will be teaching as long as either of them have. Both teachers have been dedicated to the profession, Mr. Holm retired in the spring of 2023 after 47 years and Mr. Lefeber is still teaching after 43 years.

A day in the life of a teacher does have many things that one would consider typical. Teaching a lesson, planning lessons, grading assignments, student attendance and district paperwork probably top the list of important things teachers do. There are also curriculum meetings, staff meetings, professional development or continuing education that are required of teachers over and above the normal classroom duties. Educators will sometimes take up extra duties for the school they work in because of the needs of the students or the school. The extra hours do make for a long day, sometimes 14–15-hour days depending on the activities. I have been able to help my schools over the years by committing extra time to certain activities/duties. In the past I have served as lead science teacher for Saginaw High for 9 years, Chief Science Officer Advisor at Midland High for 5 years. Presently I am the Assistant Athletic Director at Midland High and occasionally I fill in for building administration when they are shorthanded.

To have satisfaction in a career and ultimately in life we need to know what our Why is. I have tried to keep my Why simple (but it's probably not). Several years ago, I had to come up with a personal statement for my position that reflects your why. My statement was simple in words but covers so much more, "Everything I do in education is for the betterment of the students that I serve". Without realizing it until I wrote it down it was the foundation of my teaching career and what made me the teacher that I am. Reflecting on what is best for the stakeholders you serve is not just focused on the subject that I teach but is also reflected in the interactions that I have with students in and outside the classroom, their families and the community. The most important and probably the best part of my position in education is the interactions that I have with my students, the families at the school and the community that interacts with the school as a whole. My career as a teacher/educator brings me great joy but I do it for the community I serve. I should revise my statement to say "Everything I do in education is for the betterment of the students that I serve and to do so with understanding, commitment and selflessness.

My career in education is important but not as important as my family. I have been married to my wife Margaret for 28 years. We have two sons Dominik (23) and Alexander (19). Science is an important part of our family. I have a degree in biology education and natural science and a master's in education administration, Margaret has undergrad degrees in Biology and Psychology and a master's in molecular biology and an MBA. Dominik just finished his degree in Chemical Engineering with a Material Science minor at Michigan State University and is headed to a process engineering position at Amcor soon. Alexander is pursuing a degree in Electrical Engineering at MSU. Being able to watch my family have success in what they have pursued and are in the process of completing gives me the most joy. It reminds me that the sacrifices that we have made have allowed for the success that has been achieved.

Outside of work I enjoy spending time with my family, working on projects in my woodshop, relaxing outside in the nice weather, and playing with Oliver our Goldendoodle. These are the simple activities that help me unwind, decompress, and recharge. So much of what we do in our careers has some level of stress to it that it is nice to be able to have some simple things to look forward to when we have time away from work.

I have never thought of what my legacy would be, was not really worried about it, but if I could be remembered for something I would want it to be that I was caring and understanding to my students. That I made a connection with them. That I helped them feel like they belonged. That they were seen and recognized that they were important. Our young people need to know that they belong and that they have great value. We need to work to keep providing the examples that are positive and representative of what being a good quality human is.

2024 CCEW Illustrated Poem Contest – Get A Charge Out of Chemistry, Entry Deadline April 12
Hannah Bailey, Mid-Michigan Technicians Group, Midland Section ACS

The Midland Local Section of the American Chemical Society (ACS) is sponsoring an Illustrated Poem Contest for students in Kindergarten through 12th grade. Write and illustrate a poem using the Chemists Celebrate Earth Week (CCEW) theme – Get A Charge Out of Chemistry.

Please note: Contest deadline is Friday April 12, 2024

Gift cards and prizes for all 1st and 2nd place winners in each grade category!
Contact MidlandACSPoem@gmail.com for any questions.

This contest is open to anyone in the Great Lakes Bay Region and beyond. Winners of the Midland Local Section's Illustrated Poem Contest will advance to the National Illustrated Poem Contest for a chance to be featured on the ACS website and to win prizes!



Visit [Illustrated Poem Contest – Chemists Celebrate Earth Week – American Chemical Society \(acs.org\)](https://www.acs.org) for complete rules. Poems can be submitted [HERE](#). Contact MidlandACSPoem@gmail.com for any questions.

2024 ACS Spring Awards Recognition Banquet – RSVP Deadline, April 22
Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS

ACS Recognition Dinner

Wednesday, May 1st, 5:30 PM to 9:00 PM
Great Hall Banquet & Convention Center at Valley Plaza Resort
5121 Bay City Road, Midland, Michigan

Program

5:30 PM Cash Bar and Social Time
6:00 PM Dinner
6:15 PM Keynote Speaker
6:45 PM Awards Presentations

Educators, students, ACS members, industry colleagues, and 50-, 60-, and 70-year ACS members/retirees will be recognized for their outstanding achievements at this 33rd annual event. Mark your calendar and join us in support of our award recipients, to connect with colleagues, or just to mingle with a diverse group of people passionate about science!

Our Keynote will be delivered by Deborah Huntley, Ph.D., Saginaw Valley State University Provost and Vice President for Academic Affairs.

Dr. Huntley joined the SVSU faculty in fall 1998 after 15 years as a research scientist at Oak Ridge National Laboratory. For many years, she taught the physical chemistry curriculum, a two-semester lecture and laboratory sequence, before moving into various administration positions. She continues to teach introductory chemistry labs to both majors and non-majors. She is passionate about education at all levels!

Her research interests focused broadly on material science, and particularly on surface processes. Her predominant expertise is in surface chemistry, especially mechanisms of catalytic reactions.



The cost of the dinner is \$20.00 per person and includes dinner, dessert, and beverage. A pre-dinner cash bar will be available. Your dinner reservation request must be received by April 22, 2024.

Register to attend at [Midland ACS Awards Committee: 2024 ACS Recognition Banquet \(signupgenius.com\)](https://signupgenius.com). You may pre-pay using the *Pre-Pay Registration* option or pay at the door (cash only) by signing up using the *Pay at Door Registration* option.

Dress is business casual.

This event is sponsored by the Midland Section of the American Chemical Society.

Please reach out if you have any questions to Wendy Flory (wcfloory@dow.com) or Tami Sivy (tsivy@svsu.edu), Midland Section ACS Awards Committee Co-Chairs.

GET A CHARGE Out of the Earth Day Action Expo—and Other Spring Sustainability Events!

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

Planning for the 2024 Earth Action Expo has been picking up speed since our first meeting last year; we have many great sponsors offering financial and public relations support! This is our anchor event for the spring, and we are featuring activities around the ACS “Chemists Celebrate Earth Week” (CCEW) theme, although all environmentally-friendly or conservation-oriented organizations are invited. The event will be at **Dow High School, 3901 N. Saginaw Rd, Midland, on April 27, 11:00 AM to 3:00 PM, inside and outside**. Attendees and exhibitors are **FREE**; vendors pay a small fee.

Last year we had over 50 exhibitors present, and this year, so far, we already have nearly that number registered. There will be a Passport program and story time for kids, and speakers/presenters on topics from environmental challenges to reuse of textiles. “Waste Not, Want Not” will feature a local chef demonstrating how to deliciously repurpose food “waste” (and offering samples). Food trucks, electric vehicles, and various recyclers will be present, too—this is planned as a “ZERO WASTE” event with all on-site refuse being composted, re-used, or recycled. There are a number of positions for which we need volunteers—please sign up at <https://www.signupgenius.com/go/70A054BADAA2EA20-47431807-volunteer#/>.

On **April 30**, we will host “**Battery Blast**” – a “double-header” seminar on batteries (featuring three speakers), with dinner in between, and some related activities with prizes, too! Sign-up is required at <https://www.signupgenius.com/go/70A054BADAA2EA20-48774466-2024#/>.

You are also encouraged to sign up for **a chance to be selected for a TOUR of the Midland XALT Battery facility on May 8 at 3:30 PM**. ONLY TEN will be chosen at random for this special opportunity—you must be able to walk ¾ of a mile and be over age 18; a waiver will be signed at the door. Those chosen will be notified around May 1. The link is <https://www.signupgenius.com/go/70A054BADAA2EA20-48774288-xalt#/> link updated 4/10/2024

Please contact Gina Malczewski (earthday@acs.org) if you have questions about any of these wonderful options!



2024 Earth Day Action Expo, April 27
Gina Malczewski and Amanda Palumbo, Midland Section ACS

Get a charge out of chemistry at the 2024
EARTH DAY ACTION EXPO



Saturday, April 27

11 A.M. - 3 P.M.
HH Dow High School

You're invited to enjoy:

- Hands-on Science
- Arts & Crafts
- Give-Aways
- Food Trucks
- K-12 Illustrated Poem Exhibit
- 40+ Exhibitors



SCAN TO
WIN free expo lunch
SEE who's coming
SHARE the event

FREE AND OPEN TO EVERYONE
TO CELEBRATE EARTH DAY!

Sponsored by






Battery Blast! Spring Sustainability Event, April 30

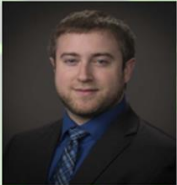
Gina Malczewski, Director and Outreach Committee, Midland Section ACS


The Midland Section of the American Chemical Society proudly presents:
A FREE Earth Day Event: Two Seminars and Dinner
BATTERY BLAST!

Tuesday, April 30, 2024
Creative 360, 5501 Jefferson Ave, Midland
5:30 pm to 7:30pm




Dr. Chi-Hao Chang
Assoc. R&D Scientist, Dow


Dr. Craig F. Gorin;
R&D Scientist, Dow


Dr. Brad Fahlman
Department of Chemistry & Biochemistry
Science of Advanced Materials Program
Central Michigan University

- **Activities**
- **Come for one talk or both**
- 5:30-6:15: Drs. Chi-Hao Chang and Craig Gorin
(Recommended for upper MS and higher grades)
“Battery Basics and Dow Materials for Battery Performance and Safety”
- Intro to battery types, and how they’re used-- and Dow efforts to improve them
- **6:15-6:45 FOOD and drink!**
Vegetarian options
Battery Quiz with Prizes!
- 6:45-7:30 Dr. Brad Fahlman, CMU
(Recommended for high school and above)
“Beyond Lithium Ion: Benefits and Challenges of Next-Generation Batteries”
How Li and other batteries work, their applications and advantages/disadvantages; other battery chemistries that look promising

You must register so adequate food is provided.
Sign up by Apr 26 at
<https://www.signupgenius.com/go/70A054BADAA2EA20-48774466-2024#/>

Join remotely at
<https://teams.live.com/join/9382493965770?p=x1KiH80S9v10sbDu>

Sign up by April 26 at <https://www.signupgenius.com/go/70A054BADAA2EA20-48774466-2024#/>

Join remotely at <https://teams.live.com/join/9382493965770?p=x1KiH80S9v10sbDu>



First Quarter Firsts for Public Outreach!

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

Right out of the gate and ever since, Midland ACS has been very busy sharing our love for science with the public. While we did some annual events (like Kids' Day at the Midland Mall—this year featuring some activities highlighting medicinal chemistry), we also offered a number of new programs:

- A STEM brunch (Feb. 3) at MCFTA featured Gina Malczewski speaking on “HERstory”—this updated seminar celebrated women in STEM, including relative unknowns Marie-Anne Lavoisier and Elizabeth Fulhame, and discussed reasons to recruit girls for STEM careers and how to do that.
- The Midland Community Orchestra event “Elements of Music” (Feb. 11) featured some works by Alexander Borodin, a Russian doctor and chemist. Four hands-on activities as well as info about our Section were offered in response to an invitation by conductor Gina Provenzano. The concert was full; about 500 people attended.
- As part of a Science Coaching relationship, Diana Deese did a new hands-on program at Auburn Elementary that related to the solar eclipse and cosmology in general—reaching 480 students!
- On March 30 at the Midland Center for the Arts we offered “Get Egg-cited about Chemistry!” with activities around all things “egg”, including Silly Putty (marketed in eggs since its introduction for Easter, 1959). This was part of a first-time “Spring Into STEM” event.

Other science coaching activities involved Bay City Western and Freeland schools. Girls Day Out at Delta College was postponed until May 2 due to snow.

Quarter 2 should be busy as well, with Earth Day, more classroom visits, and summer camp—stay tuned for those highlights!



Dave Stickles helps a participant compare the properties of clay and Silly Putty on 3/30 at MCFTA (photo by Gina Malczewski)



One of the classes served by Diana Deese at Auburn Elementary during a recent Eclipse celebration (all grades K-5 participated). Information, activities, and even snacks related to the sun and other aspects of the universe. (Photo courtesy of Diana Deese)



ACS Fall 2024 Meeting and Exposition, August 18 - 22

Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: The information contained in this article is reprinted, in part, from material provided in an email message posted to all ACS members, dated March 5, 2024.



The ACS Fall 2024 Meeting and Exposition theme, **Elevating Chemistry**, will be at the core of programming. Sessions for the hybrid meeting (in-person & virtual) will be held in Denver, Colorado, and virtually, **August 18-22, 2024**.

New in 2024 – [Global Virtual Symposia](#) is a programming opportunity for presenters and audiences to participate in ACS Meetings & Expositions virtually and across many time zones. While in-person participants and general programming will be set to local time in Denver, CO (MT, GMT-5), select symposia will be set to daytime hours in Asia, Oceania, Africa, Europe, the Middle East, and Latin America.

ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

[Visit the website](#) to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is Monday, April 1, 2024.**

2024 Turner J. Alfrey Visiting Professorship Lecture, May 7

Karol Miller, Administrative Assistant, The Axia Institute, MSU St. Andrews, Midland

We are pleased to announce that [Dr. Tobin J. Marks](#) from Northwestern University will be the guest lecturer for the [2024 Turner J. Alfrey Visiting Professor Lecture Series](#).

Date: Tuesday, May 7, 2024 Time: 9:00 AM to 5:00 PM

Location: MSU St. Andrews, 1910 West St. Andrews Road, Midland

Guest Lecturer: Dr. Tobin J. Marks



Dr. Tobin J. Marks

Professor Marks' research focuses on sustainable and unsolved homogeneous and heterogeneous catalytic transformations, single-site surface catalysts, exploratory organo-f-element and early-transition metal organometallic chemistry, novel polymer design and synthesis, flexible, stretchable, and printable electronics, metal oxide electronics, new solar energy materials, molecule-based photonic materials, superconductivity, metal-organic chemical vapor deposition, and biological aspects of transition metal chemistry.

Research.com ranks Marks as the #3 Chemist in the US, and the #6 Chemist in the World. He has published 1,728 peer-reviewed articles and holds 278 issued US patents. He has an ISI h-index of 175 and a Google Scholar h-index of 196.

Marks earned a Bachelor of Science degree from the University of Maryland, and a Ph.D. from the Massachusetts Institute of Technology. Currently, Marks serves as a Professor of Chemistry at Northwestern University, in Evanston, Illinois.

Professor Marks has been recognized and named to multiple organizations and boards including the U.S., German, Italian, European, and Indian National Academies of Sciences, the American Philosophical Society, the U.S. National Academy of Engineering, the American Academy of Arts and Sciences, and the U.S. National Academy of Inventors. He is also an honorary fellow of the U.K. Royal Society of Chemistry, the Materials Research Society, the American Chemical Society, and the Chinese Chemical Society.

Professor Marks has also earned honorary doctorate degrees from Hong Kong University of Science and Technology, the University of South Carolina, the Ohio State University, and the Technical University of Munich. He has received more than 250 other national and international awards, prizes, lectureships, and fellowships. Some of his more notable awards include the U.S. National Medal of Science, Spanish Principe de Asturias Prize, MRS Von Hippel Award, Dreyfus Prize in Chemical Sciences, NAS Award in Chemical Sciences, ACS Joseph Priestley Medal, Israel Harvey Prize, and German Chemical Society Karl Ziegler Prize.

Accompanying Professor Marks will be [Dr. Yosi Kratish](#), Ph.D., from Northwestern University. Kratish earned his Ph.D. from the Israel Institute of Technology in Haifa, Israel. After earning his Ph.D., he joined Northwestern University in 2019 as a postdoctoral fellow in the Chemistry Department and spent two years in that role before being promoted to Research Assistant Professor. Kratish's focus areas are catalytic chemical recycling of plastics using supported single-site metal oxide and organometallics catalysts, homogeneous catalysts, and the study of molecular properties and reaction mechanisms using computational chemistry.

Kratish has authored 27 publications and holds 8 patents. Kratish is an affiliated faculty with the Paula M. Trienens Institute for Sustainability and Energy and the International Institute for Nanotechnology (IIN). He was recently recognized as a Querrey Entrepreneurial Fellow and received the McBride Postdoctoral Trainee Award. He has also been honored with the Israeli Ministry of Science and Technology Scholarship and the Miriam and Aaron Gutwirth Memorial Fellowship. Kratish also founded a startup company dedicated to reducing plastic waste through solventless catalytic technologies he developed. He also was involved in the formation of a second startup focused on commercializing catalytic technologies from Northwestern University.



Dr. Yosi Kratish

- Lectures will take place in person at MSU St. Andrews, in Midland.
- Networking luncheon included from 12:30 – 2:00 PM in the MSU St. Andrews Rotunda sponsored by the [Midland Section of the American Chemical Society](#).
- Dr. Marks and his associate, [Dr. Yosi Kratish](#), will deliver five, 45-minute talks throughout the day.
- Time will be allowed for Q&A and discussion.

[Registration is open now through Sunday, May 5, 2024, by clicking here.](#)

This is a free event, but pre-registration is required to help plan for the networking luncheon. Please share information about this event with others that may be interested in attending.

For more information, please contact Karol Miller at mill2785@msu.edu.

Agenda and Lecture Topics:

9:00 AM – Introduction and Housekeeping Items – MSU St. Andrews Staff

9:15 AM – Lecture #1 – Tobin Marks

Surface Science Meets Homogeneous Catalysis. Surfaces as Exceptional Ligands & Activators for Polymer Chemistry.

10:15 AM – Lecture #2 – Tobin Marks

At the Homogeneous – Heterogeneous Catalysis Interface. Processes for Waste Polymer Deconstruction and Upcycling in a Circular Economy.

11:15 AM – Morning Break

11:30 AM – Lecture #3 – Yosi Kratish

Selective and Solventless Lanthanide-Organic Catalyzed Depolymerization of Nylon-6 Plastics to ϵ -Caprolactam.

12:30 PM – Lunch Break

Lunch will be served in the MSU St. Andrews Rotunda with food provided compliments of the Midland Section of the American Chemical Society.

2:00 PM – Lecture #4 – Tobin Marks

Making Printable Mechanically Agile Electronics & Opto-Electronics a Reality – Polymers, Iontronics, and Amorphous Oxides.

3:00 PM – Lecture #5 – Tobin Marks

Disruptive Durable All-Polymer Solar Cells.

4:00 PM – Closing Remarks – Robert Bubeck, MSU St. Andrews

This is a free event, but pre-registration is required to help plan for the networking luncheon. Please register no later than Sunday, May 5, 2024, by clicking on [2024 Tuner J. Alfrey Visiting Professorship Lecture Registration](#).

Please share information about this event with others that may be interested in attending. For more information, please contact Karol Miller at mill2785@msu.edu.

Upcoming Detroit Section ACS Younger Chemists Committee Events

Carmen Folk, Younger Chemists Committee Co-Chair and Communications Committee, Detroit Section ACS

The Younger Chemists Committee of the Detroit Section ACS would like to extend a warm welcome to any and all interested Midland Section ACS members to attend a number of upcoming dinner (Dutch treat) and lecture events in the greater Detroit area. The following dinner/lecture events are planned:

Sturgeon Recovery in the Detroit River, Justin Chiotti, Fish Biologist, U.S. Fish & Wildlife Service

Tuesday, April 16, 2024, at Maverick's, 20970 West Road, Woodhaven, MI

Please RSVP at <https://forms.gle/u5Kf3kv6mVPisnDg8>

Companion Planting, Linda Simpson, Macomb County Master Gardening Association, MSU Extension

Tuesday, May 21, 2024, at O'Mara's Irish Restaurant, 2555 Twelve Mile Road, Berkley, MI

Please RSVP at <https://forms.gle/5XUMoWg46ordYfof7>

For more information, please see the associated program flyers on pages 14 and 15.



American Chemical Society – Detroit Local Section – Younger Chemists Committee Presents:



Facebook: Brewing Chemistry
Instagram: @BrewingChemistry
Twitter: @Brewingchem

Brewing Chemistry is a monthly lecture series. These informal talks are designed to make science fun and accessible for all.

Sturgeon Recovery in the Detroit River

Justin Chiotti, Fish Biologist, U.S. Fish and Wildlife Service

Tuesday, April 16, 2024

7pm presentation

An evening of libations, edible delights
and science inquiry

There is no admission charge, and free parking
is available.

Feel free to join us before the talk at 6:00 PM
for a Dutch-treat dinner.



Maverick's | in the enclosed covered patio | 20970 West Rd, Woodhaven, MI 48183

The U.S. Fish and Wildlife Service, in partnership with Michigan Sea Grant, conducts Sturgeon recovery research. Join Justin Chiotti on a discussion of the Lake Sturgeon recovery being conducted in the St. Clair – Detroit River System.

“The Detroit River and the St. Clair River do more than just connect the upper Great Lakes to the lower Great Lakes. While most people know the Detroit River and St. Clair River — referred to collectively as the Huron-Erie Corridor — as major commercial waterways used to support shipping and fishing. But this 32-mile connecting channel has another distinction: until the late 1800s, the corridor was an important spawning ground for lake sturgeon. Its fast-moving waters attracted thousands of the large, primitive fish every spring.

In the following decades, the number of lake sturgeon plummeted due to pollution, over-harvesting and loss of spawning habitat. The current population of lake sturgeon in Michigan is estimated to be about 1 percent of its former abundance. Organizations like Michigan Sea Grant and the U.S. Geological Survey are working to restore lake sturgeon and other native fish habitat in the waters of the Detroit River.” – from Michigan Sea Grant – partner in the Sturgeon Recovery Effort



Please RSVP for a headcount
<https://forms.gle/u5Kf3kv6mVPisnDg8>

Connect with us on Facebook for Event updates: <https://fb.me/e/18phOVc4N>

American Chemical Society – Detroit Local Section – Younger Chemists Committee *Presents:*

Brewing Chemistry

Detroit, Michigan

Brewing Chemistry is a monthly lecture series. These informal talks are designed to make science fun and accessible for all.

Companion Planting

by Linda Simpson

Macomb County Master Gardening Association, MSU extension

Tuesday, May 21, 2024

7:00 pm presentation

An evening of libations, edible delights, and science inquiry

There is no admission charge, and free parking is available.
Feel free to join us before the talk at 6:00 PM for a Dutch-treat dinner.

O'Mara's Irish Restaurant | 2555 Twelve Mile Rd, Berkley, MI 48072

Companion planting is when two plants are grown near each other to benefit one of those plants or both—so the benefit can be one way or mutual. This is a tried-and-tested way to reduce pests, attract pollinators, and boost growth! – farmer's almanac

Connect with us on Facebook for event updates:

<https://fb.me/e/1layqpJHV>

Please RSVP: <https://forms.gle/5XUMoWg46ordYfof7>
or use the QR Code



Facebook: Brewing Chemistry
Instagram: @BrewingChemistry
Twitter: @Brewingchem

Upcoming Dates, Events, and Other Updates

- April 1 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [April 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- April 1 – **Deadline to submit abstracts for the ACS Fall 2024 National Meeting & Exposition**, Denver, CO, August 18-22, 2024 (in-person and virtual). Meeting theme: *Elevating Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- April 12 – **Deadline for Chemists Celebrate Earth Week (CCEW) Illustrated Poem Contest submissions**. For more information, please see the associated article on page 3. For any questions, please contact MidlandACSPoem@gmail.com.
- April 16 (6:00 – 8:00 PM) – Detroit Section ACS Younger Chemists Committee dinner/lecture event, *Sturgeon Recovery in the Detroit River*. 6:00 PM – Dutch treat dinner at Maverick's, 20970 West Road, Woodhaven, MI. 7:00 PM – Lecture/presentation by Justin Chiotti, Fish Biologist, U.S. Fish & Wildlife Service. Please RSVP for dinner at <https://forms.gle/u5Kf3kv6mVPisnDg8>.
- April 22 – Registration deadline for the Midland Section ACS Spring Awards Recognition Banquet. Register at [Midland ACS Awards Committee: 2024 ACS Recognition Banquet \(signupgenius.com\)](#). Please see the article on page 4 for details. Please contact Wendy Flory (wcflyor@dow.com) or Tami Sivy (tsivy@svsu.edu) with questions.
- April 26 – Registration deadline for Battery Blast! Spring Sustainability Event. Please see the article and flyer on pages 5 and 7 for details and a link to sign up.
- April 27 (11:00 AM – 3:00 PM) – Midland Section ACS Outreach event, “*Earth Day Action Expo 2024*.” Free event at H.H. Dow High School, in Midland, open to everyone. Please see article and flyer on pages 5-6. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- April 30 (5:30 – 7:30 PM) – Battery Blast! Spring Sustainability Event at Creative 360, 5501 Jefferson Avenue, Midland. FREE event with seminars and dinner. Please sign up by April 26. See the article and flyer on pages 5 and 7 for details and a link to sign up. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- May 1 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Recognition Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: \$20.00 per person. Please see the article on page 4 for more information. For any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory (wcflyor@dow.com) or Tami Sivy (tsivy@svsu.edu).
- May 5 – **Preregistration deadline to attend the 2024 Turner J. Alfrey Visiting Professor Lecture Series** program, Tuesday, May 7, 9:00 AM – 5:00 PM, featuring Prof. Tobin J. Marks from Northwestern University. Please register by clicking on [2024 Turner J. Alfrey Visiting Professorship Lecture Registration](#). For more information or any questions, please contact Karol Miller at mill2785@msu.edu.
- May 6 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [May 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- May 7 (9:00 AM – 5:00 PM) – 2024 Turner J. Alfrey Visiting Professor Lecture Series program, featuring Prof. Tobin J. Marks from Northwestern University. For more information, please see the accompanying article on pages 11-13. This is a free event, but pre-registration is required to help plan for the networking luncheon. Please register no later than Sunday, May 5, 2024, by clicking on [2024 Turner J. Alfrey Visiting Professorship Lecture Registration](#). For more information or any questions, please contact Karol Miller at mill2785@msu.edu.

- May 21 (6:00 – 8:00 PM) – Detroit Section ACS Younger Chemists Committee dinner/lecture event, *Companion Planting*. 6:00 PM – Dutch treat dinner at O’Mara’s Irish Restaurant, 2555 Twelve Mile Road, Berkley, MI. 7:00 PM – Lecture/presentation by Linda Simpson, Macomb County Master Gardening Association, MSU Extension. Please RSVP for dinner at <https://forms.gle/5XUMoWg46ordYfof7>.
- June 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [June 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- August 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [August 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- August 18-22, 2024 – ACS Fall 2024 National Meeting & Exposition, Denver, CO. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Elevating Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- September 9 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [September 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months, due to the Labor Day holiday.**
- October 7 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [October 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- November 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [November 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- December 2 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [December 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.

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