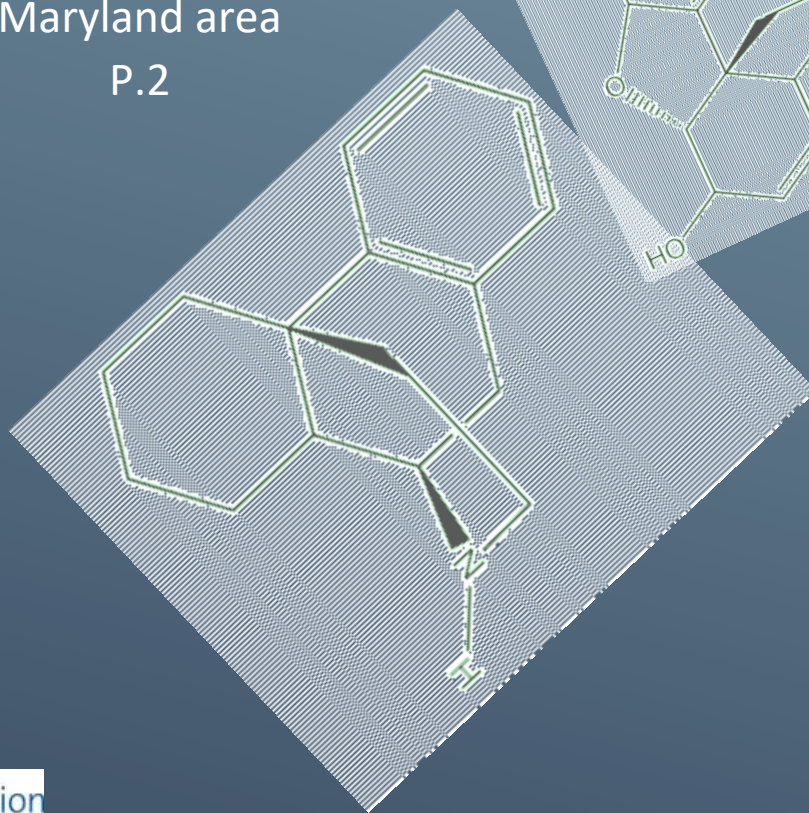
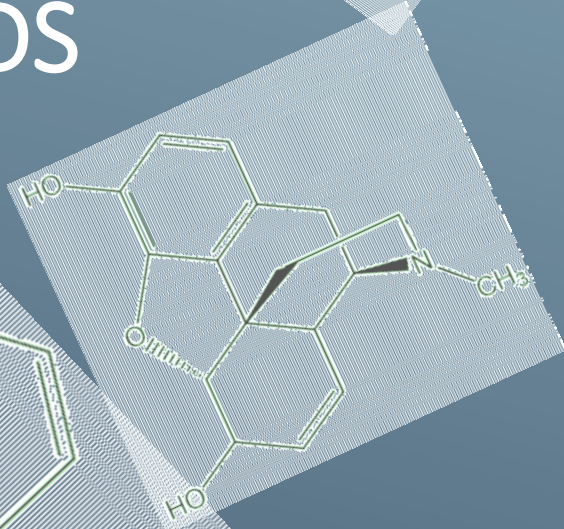
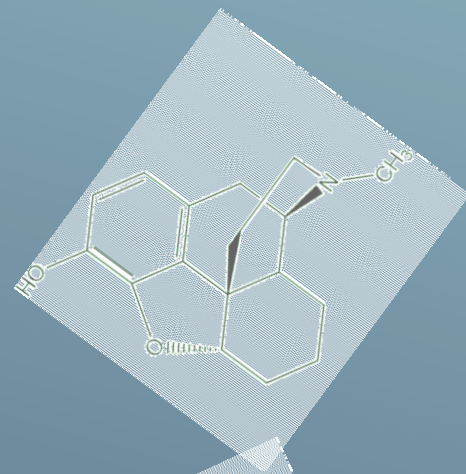


Maryland Local Section Newsletter  
February 15, 2020

# 2020 MARYLAND ACS STUDENT AWARDS

Another productive year  
for young chemists in the  
Maryland area  
P.2



**Maryland Local Section**

**Editor in chief:** Beatrice Salazar

**Policy**

Pumtiwitt McCarthy, Chair-2020

Sarah Zimmerman, Web Master

Jennifer Schmitt, Social Media Liaison

# CHAIR'S MESSAGE



Dear colleagues:

Welcome to another new year with the ACS Maryland Section! As your new chair, I look forward to engaging with you this year through our upcoming events. Our section aims to reflect you and to serve your needs as a member of the chemistry community in this region. I have three major goals this year:

- More effective communication with our membership. We seek to relay information about our events in a timely manner using multiple platforms including *The Chesapeake Chemist*, our recently updated website, email, and social media platforms (Facebook and Twitter).
- Increasing membership participation in our events. I would love to see more of you at our events. By improving our communication, I hope that this will lead to more members being involved in our section.
- Developing a sustainable method to reach out to and engage participation of younger chemists. We are fortunate to reside in an area where there are many colleges and universities. Our region also has many young professionals working areas of government, industry, non-profit organizations and academia. I know you have much to say and your voices need to be heard. Please consider becoming more involved in our section.

In closing, I am hoping that all our members feel that the ACS Maryland Section serves them well. Of course, we are not perfect so I would appreciate an opportunity to learn how we can work for you and with you better. Please consider sending an email to us ([acsmarylandsection10@gmail.com](mailto:acsmarylandsection10@gmail.com)) if you want to be more involved and if you would like to provide general comments and/or suggestions.

*Pumtiwitt McCarthy*

## CONTENTS

### Cover Story and invitation

#### **2020 Maryland Student Awards**

Invitation to celebrate the accomplishments of young chemist by chair of the Student Award committee Dr. George Farrant  
P.2 – P.5

#### **Administration**

New officers and new positions within the Maryland Local Section  
P.9

#### **Awards**

P.8

#### **Announcements**

P.7

Beer Day, invitation

P.6

U.S. National Chemistry Olympiad,  
invitation

P.10

Chemists Celebrate Earth Day Events

Invitation

P.11

Community News, last page



Illustration from Molecule of the Month  
by Beatrice Salazar  
Copyright 2020, Maryland LS of the  
American Chemical Society

# INVITATION

## 2020

# MARYLAND ACS

# STUDENT AWARDS

Guest Speaker

**MIKE ADELSTEIN**

President and CEO of Potomac Photonics

Sunday March 29, 2020

Doyle Formal Lounge


12:00 Noon – 3:00 P.M.

Notre Dame of Maryland University


Baltimore, Maryland

### PREVIOUS YEARS DISTINGUISHED SPEAKERS AT MARYLAND ACS STUDENT AWARDS

2017

 **100** years  
1914-2014  
Maryland Section  
American Chemical Society


**2017 Student Awards Luncheon**





~ Dr. Glenn Gates ~  
Director of the Science Laboratory  
The Walters Art Museum

*"Scientific Explorations of Cultural Heritage"*

2018

 **100** years  
1914-2014  
Maryland Section  
American Chemical Society


**2018 ACS MD STUDENT AWARDS**


~Stephen P. Askew and Roxanne T. Diedrich~  
Trilogy Essentials Ingredients, Inc.

*"The Story of Cinnamon"*

2019

 **100** years  
1914-2014  
Maryland Section  
American Chemical Society

*"I Have an Idea!! Creative Thought"*



**Dr. Dana Kollmann**  
Clinical Associate Professor, Towson

# 2020 MD ACS Student Award Luncheon

**Guest Speaker**

**MIKE ADELSTEIN**

**President and CEO of Potomac Photonics**

Contact

George Farrant, [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com)

Chair of Student Awards Committee

The Maryland section of the ACS will be holding the Annual Student Awards Ceremony again this year at Notre Dame of Maryland University. All are invited to come to see the best and the brightest of our new crop of students as they start on their careers in science.

The ACS Student Award is made each year to one student at each college or university that participates in the Maryland Section of the ACS. The Award will be made at a ceremony at the spring meeting of the ACS, which will be held on Sunday, March 29, 2020 at Notre Dame of Maryland University Doyle Hall, Doyle Formal Lounge.

At this meeting, which will begin at 12:00 P.M. with a reception, awardees from 21 of the local colleges and universities in our section will be celebrated. Each awardee will be given a certificate, a printed copy of the April edition of Chesapeake Chemist and some other presents at the ceremony. The cost for the luncheon is \$20 per person (\$10 for students). Please RSVP George Farrant via email [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com) at least two weeks before the meeting so we can alert the caterers to the number that we will be expected to attend. This meeting is one of the more popular meetings we hold each year and we expect approximately 100 or more attendees.

The speaker for this event will be Mike Adelstein, President and CEO of Potomac Photonics, UMBC graduate in Chemistry and a founder of a very successful-cutting edge scientific company. He is a very good speaker and will have some interesting things to impart.

*George Farrant*

## 2020 STUDENT AWARDS AGENDA:

Sunday March 29th, 2020

12:00-12:30 P.M.	Registration and viewing of the posters of the student who presented at the ACS National Meeting in Philadelphia Hors d'oeuvres and seating
12:30-1:30 P.M.	Luncheon
1:30-2:00 P.M.	Awards ceremony
2:00-3:00 P.M.	Lecture and Q&A

### LOCATION:

**Where.....** Doyle Formal Lounge, Notre Dame of Maryland University, Baltimore, MD  
<https://www.ndm.edu/>

**Directions:** <https://www.ndm.edu/admissions-aid/visit-campus/map-directions>-Parking

**RSVP.....** George Farrant, [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com) (Please inform of any dietary restrictions)

**Cost.....** Awardees have a complimentary lunch  
\$20 members and non-members  
\$10 students

**Payment...** Cash or check made payable to Maryland ACS

## 2019 Student Awardees

**We are enthusiastic to see as many awardees in 2020!**

**Their photos and universities will be in the March Chesapeake Chemist Issue**



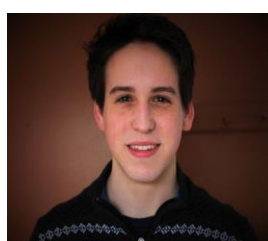
**Emmanuel Ho**

Anne Arundel Community College



**Himsheela Karki**

Baltimore City Community College



**Nathaniel Espey**

Community College of Baltimore County



**Malia Vester**

Coppin State University



**Delight Nweneka**

Frederick County Community



**Karen Nga Tana**

College Goucher College



**Juliana Pitzer**

Harford Community College



**Anastazia Jablunovsky**

Hood College



**Harrison Mayo**  
Howard Community College



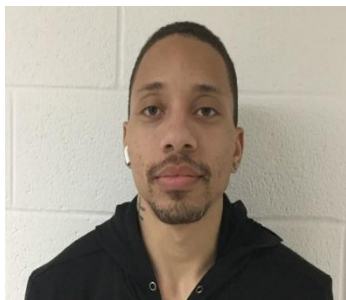
**Julia Chang**  
Johns Hopkins University



**Sabrina Nance**  
Loyola University



**Kristopher Mason**  
McDaniel College



**Pierce Perkins**  
Morgan State University



**Leobardo Rodriguez Segura**  
Mount Saint Mary's University



**Lindsey Power**  
Saint Mary's College of Maryland



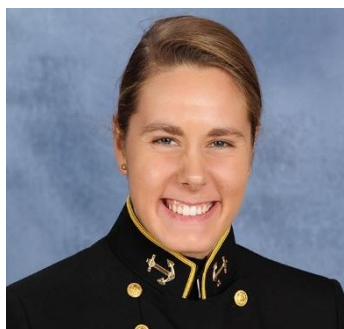
**Justin Kim**  
Towson University



**Victoria Oji**  
Notre Dame of Maryland University



**Sehlah Butt**  
Stevenson University



**Grace Lane**  
United States Naval Academy



**Collin Vincent**  
Washington College



**David Sachs**  
University of Maryland Baltimore County

The Maryland Local Section of the ACS supports the Student Awards Program designed to encourage the student advancement of chemistry in all its branches, to support research in chemical science and industry, and to promote the careers of chemists.

Young scientists are  
the promising future of chemistry

# MISCellaneous Distillery Tour



Want beer?

or do you prefer other drinks?

**Chemists enjoy beer and spirits while learning the making process**

The tour includes the background of the distillery, followed by a tasting (4 spirits per person, per tasting). For the folks that would not want to taste straight spirits, they offer a DIY cocktail for \$9; you get (2) 7oz glasses of spirit, 1 mini bottle of mixer and 1 mini bottle of seltzer water.

There is an "order down" menu from Laurienzo's Brick Oven Cafe in the second floor so you can enjoy their delicious food while having sample cocktails in the tasting room.

## Location:

114 S. Main Street, B103, Mount Airy, MD 21771

## Website

<https://www.miscdistillery.com/>

## RSVP

Feel free to invite friends and family. Space is limited, *please RSVP to Michele Foss* ([foss.michele@gmail.com](mailto:foss.michele@gmail.com))

**You must be 21+ years of age to attend!**



## FEBRUARY EVENT

### Date:

Saturday,  
February 22, 2020

Time: 1:00 P.M.

Cost: Free

## CONTACT

Beer Tour Events  
Coordinators

Louise Hellwig

and

Michele Foss



Maryland Local Section

# General meetings information

- Past EC meeting minutes, [Dec. 3, 2019](#)
- First 2020 EC meeting, [February 24, 2020](#) at Morgan State University. Contact Pumtiwitt McCarthy, [pumtiwitt.mccarthy@morgan.edu](mailto:pumtiwitt.mccarthy@morgan.edu)
- [National Meetings](#) American Chemical Society, March 22-26, 2020 In Philadelphia. Interested in attending? Apply to your Local Section for support. Contact [louise.hellwig@morgan.edu](mailto:louise.hellwig@morgan.edu)

## Announcements

### Chemistry in the Library

[Designed for students ages](#) 7 and above Events will be at the following libraries:

- Howard County Library System East Columbia Branch
- Howard County Library System Glenwood Branch
- Carroll County Library System, Eldersburg Branch
- Howard County Library System Savage Branch
- Howard County Library System Central

Contact: Rose A. Pesce-Rodriguez, [rose.a.pesce-rodriguez.civ@mail.mil](mailto:rose.a.pesce-rodriguez.civ@mail.mil)

### New Program for Senior Chemists

[ACS Senior Chemists](#): Message from the ACS Senior Committee Chair

<https://www.acs.org/content/acs/en/membership-and-networks/seniorchemists.html>

Contact: Paul Smith, [pjsmith@umbc.edu](mailto:pjsmith@umbc.edu)

### Braude Award

The George L. Braude Award, presented at the October meeting, Nominations will be accepted May 1, 2020 to May 31, 2020 <https://acsmaryland.org/braude-award/>

Contact: Louise Hellwig, [louise.hellwig@morgan.edu](mailto:louise.hellwig@morgan.edu)



---

# AWARDS

---

ACS AND THE MARYLAND SECTION MAKE AVAILABLE TRAVEL AWARDS FOR THOSE ATTENDING SCIENTIFIC MEETINGS TO PRESENT THEIR WORK OR THEIR RESEARCH.

**CONTACT:**

DR. LOUISE HELLWIG

[LOUISE.HELLWIG@MORGAN.EDU](mailto:LOUISE.HELLWIG@MORGAN.EDU)

The Maryland Section of the American Chemical Society is pleased to announce the following grants of \$400.00 each for students attending the ACS National Meeting in Philadelphia, March 26, 2020.

**Hood College**

Amber Meyers  
McKenzi Weatherhogg

**McDaniel College**

Alena Villanueva  
Jonah Ruskin

**Stevenson University**

Lemane Namarra  
Sara Bonfils

**Towson University**

Lynn Krushinski  
Gabrielle Lembo  
Pierce Brown

**UMBC**

Jahir Andrade  
Yang Liu

**UM School of Pharmacy**

Alexandria Chan  
Ivie Conlon

**St. Mary's College of Maryland**

Hana Yarbrough

Details of the posters, presentations and experience at the National Meeting will be covered in future Chesapeake Chemist publications.



## 2020 ADMINISTRATION OFFICERS

### 2020 SECTION OFFICERS

Chair 2020..... Pumtiwitt McCarthy, Morgan State University, [pumtiwitt.mccarthy@morgan.edu](mailto:pumtiwitt.mccarthy@morgan.edu)  
Vice-Chair 2020..... Eric C. Cotton, Community College, of Baltimore County, [ccotton2@ccbcmd.edu](mailto:ccotton2@ccbcmd.edu)  
Chair-Elect (Chair 2022).... Sarah Zimmerman, Web Master, Chair of Member Assistance Committee [scatzim@gmail.com](mailto:scatzim@gmail.com)  
Secretary 2020..... Louise Hellwig, Morgan State University, [louise.hellwig@morgan.edu](mailto:louise.hellwig@morgan.edu)  
Treasurer 2020..... Angela Sherman, Notre Dame of Maryland University, [asherman@ndm.edu](mailto:asherman@ndm.edu)  
Past Chair (2019)..... Dana Ferraris, McDaniel College, [dferraris@mcdaniel.edu](mailto:dferraris@mcdaniel.edu)

### 2020 SECTION COMMITTEE ON NOMINATIONS and ELECTIONS

Chair of the Committee on Nominations..... James Saunders, [jsaunders@towson.edu](mailto:jsaunders@towson.edu)  
Additional 4 members: ..... Dana Ferraris, Chair-2019, [dferraris@mcdaniel.edu](mailto:dferraris@mcdaniel.edu)  
..... Pumtiwitt McCarthy, Vice Chair-2019, [pumtiwitt.mccarthy@morgan.edu](mailto:pumtiwitt.mccarthy@morgan.edu)  
..... Beatrice Salazar, Chair-2018, [beatricesalazar1@gmail.com](mailto:beatricesalazar1@gmail.com)  
..... Sara Narayan, Stevenson University, [SNARAYAN@stevenson.edu](mailto:SNARAYAN@stevenson.edu)

### COUNCILORS/COMMITTEES

- 2020-2022 Kelly Elkins Member of the ACS Ethics Committee, [Kmelkins@towson.edu](mailto:Kmelkins@towson.edu)
- 2018-2020 Dana Ferraris Chair of the Section Program Committee (McDaniel College), [dferraris@mcdaniel.edu](mailto:dferraris@mcdaniel.edu)
- 2018-2020 Jan Kolakowski Member of the ACS Committee on Technician Affairs, CTA [jek6042@gmail.com](mailto:jek6042@gmail.com)
- 2018-2020 Stephanie Watson ACS Committee on Committees member (ConC) NIST), [stephanie.watson@nist.gov](mailto:stephanie.watson@nist.gov)

### ALTERNATE COUNCILORS/COMMITTEES

- 2020-2022 Paul Smith Member of ACS Local Section Activities(LSAC) Committee, [pjsmith@umbc.edu](mailto:pjsmith@umbc.edu)
- 2020-2022 Pumtiwitt McCarthy Chair of Publicity Committee, [pumtiwitt.mccarthy@morgan.edu](mailto:pumtiwitt.mccarthy@morgan.edu)
- 2018-2020 Michele Foss Committee TBA, [foss.michele@gmail.com](mailto:foss.michele@gmail.com)
- 2018-2020 Sarah Zimmerman Web Master, Chair of Member Assistance Committee,\* [scatzim@gmail.com](mailto:scatzim@gmail.com)

### MEMBERS-AT-LARGE

- Beatrice Salazar, [beatricesalazar1@gmail.com](mailto:beatricesalazar1@gmail.com)
- James Saunders, [jsaunders@towson.edu](mailto:jsaunders@towson.edu)
- George Farrant, [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com)
- Rose A. Pesce-Rodriguez, [rose.a.pesce-rodriguez.civ@mail.mil](mailto:rose.a.pesce-rodriguez.civ@mail.mil)
- Sara Narayan, Stevenson University, [SNARAYAN@stevenson.edu](mailto:SNARAYAN@stevenson.edu)

**Maryland Section on the Website:** [www.acsmaryland.org](http://www.acsmaryland.org)

**Webmaster**..... Sarah Zimmerman, [scatzim@gmail.com](mailto:scatzim@gmail.com)

**Chesapeake Chemist Editor-in-Chief...** Beatrice Salazar, [beatricesalazar1@gmail.com](mailto:beatricesalazar1@gmail.com)

**Social Media Liaison**..... Jennifer Schmitt, [Jen@rapafusyn.com](mailto:Jen@rapafusyn.com)

**CONTACT US:** [acsmarylandsection10@gmail.com](mailto:acsmarylandsection10@gmail.com)

**OTHER MEMBERS OF THE MARYLANDLOCAL SECTION  
EXECUTIVE COMMITTEE**

Merle Eiss , Member of ACS Meetings and Expositions Committee, [meiss32@aol.com](mailto:meiss32@aol.com)

Suzanne Procell, Edgewood Chemical Biological Center, [suzanne.a.procell.civ@mail.mil](mailto:suzanne.a.procell.civ@mail.mil)

Michele Foss, [foss.michele@gmail.com](mailto:foss.michele@gmail.com)

Michael Zapf, [MZapf@towson.edu](mailto:MZapf@towson.edu)

---

**An Invitation to  
U.S. National Chemistry Olympiad  
USNCO-2020**

From February to April 18, 2020

**February:** Invitation to all high schools

**March:** Maryland Local Section pre-qualification exam

**April:** U.S. National Chemistry Olympiad, USNCO

Coordinator: [Beatrice Salazar](#)



Welcome to the 2020 Chemistry Olympiad. We are very enthusiastic about this year's competition at the Community College of Baltimore County, CCBC.

The Maryland Local competition is now open to all participants. All high school students 9-12 taking chemistry are encouraged to register for the pre-qualification exam or USNCO-Maryland. Use the [USNCO-Maryland website](#) to get all forms and all the information needed to participate. The local exam is administered from March 1<sup>st</sup> to March 25<sup>th</sup>. The nominees will be selected by March 31<sup>st</sup>.

The USNCO competition will be on April 18, 2020.

USNCO MARYLAND URL: <http://www.beatricesalazarusncocoordinator.webs.com>

# Chemists Celebrate Earth Day

## An Invitation to Celebrate Earth Day with the Maryland Section of the American Chemical Society

**April 20, 2020**

Coordinator [Beatrice Salazar](#)

**The Maryland Section of the American Chemical Society will have  
a tour of the Montebello Water Filtration Plant-I in Baltimore**



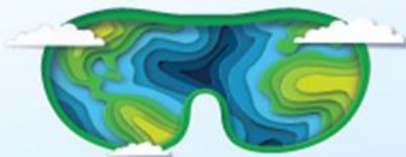
The tour is designed for high school students, the scientific community and university and college students to learn the chemistry involved in the treatment and purification of surface water to produce safe drinking water. The tour includes the history of the plant. It was built in 1915, due to public health concerns, disease and deaths. The community's health improved after cleaning water was used for domestic consumption. The tour includes an explanation of the water sources, the reservoirs in the Chesapeake area and the clean water distribution network.

In addition, a visit to the facilities showing the different steps in the process of water treatment with emphasis on the chemicals added and the chemical reactions that occur during water treatment. Instructional material is available for students and their chemistry teachers involving the chemical reactions that take place as different chemicals are added to water. We also include a discussion of the byproducts formed and the potential harm of these byproducts. All high schools in the Baltimore area are invited please make a reservation.

<http://www.acsmarylandevents2016.webs.com/>

In addition, this STEM resource is available in an Engineering APP to learn about  
Engineering projects nationwide:

<http://www.repicture.com>



## CHEMISTRY IN THE LIBRARY

### 50<sup>th</sup> Anniversary of Earth Day

Ages 7 & up (7-8 year olds must be accompanied by an adult); 60 min. Registration required.

Savage Branch	Saturday, @ 2 PM, 14 Mar
Central Branch	Saturday, @ 2 PM, 21 Mar
Glenwood Branch	Saturday, @ 2 PM, 28 Mar
Eldersburg Branch	Saturday, @ 1 PM, 04 Apr
Elkridge Branch	Saturday, @ 2 PM, 11 Apr
East Columbia Branch	Saturday, @ 2 PM, 18 Apr
Miller Branch (for Adults & Families)	Wednesday @ 7 PM, 22 May
Miller Branch:	Saturday, @ 2 PM, 25 Apr
Jarrettsville Branch	Saturday, @ 2 PM, 02 May
APG Discovery Center*	Saturday, @ 2 PM, 09 May
Light Street Branch	Saturday, @ 2 PM, 16 May
Govans Branch	Saturday, @ 2 PM, 11 Jul

\* Ripkin Stadium

To register for programs, please see website of appropriate library website:

- Howard County Library System <https://hclibrary.org/>
- Enoch Pratt Free Library <https://www.prattlibrary.org/>
- Carroll County Public Library <https://library.carr.org/>
- Harford County Public Library <https://www.prattlibrary.org/>

#### CONTACT:

Rose A. Pesce-Rodriguez, [rose.a.pesce-rodriguez.civ@mail.mil](mailto:rose.a.pesce-rodriguez.civ@mail.mil)



## Subscribe to Chesapeake Chemist!

Send us your email if you are not receiving our newsletter

### Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic-only mailings to our MD ACS membership in October 2006.

### Changing your e-mail address? Moving out of the MD ACS area?

Let us update your email if you have any changes.

- E-mailing us at [acsmarylandsection10@gmail.com](mailto:acsmarylandsection10@gmail.com) –
- give us your ACS member number, full name, and email changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only) or [service@acs.org](mailto:service@acs.org)**

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail [acsmarylandsection10@gmail.com](mailto:acsmarylandsection10@gmail.com).



**micron inc**  
ANALYTICAL SERVICES

MATERIALS CHARACTERIZATION  
MORPHOLOGY CHEMISTRY STRUCTURE

OM / SEM / EDXA / TEM / SAED, EPA / WDXA  
XRF / ESCA / AUGER / XRD  
DSC / TGA / MFTIR

3815 LANCASTER PIKE, WILMINGTON, DE 19805  
Phone: 302-998-1184, Fax: 302-998-1836

E-mail: ([micronanalytical@compuserve.com](mailto:micronanalytical@compuserve.com) )  
Website: (<http://micronanalytical.com/>)