2021 Student Awards Lecture

Associate Professor Lee Blaney, Ph.D.

Sunday, April 11, 2021

Dr. Lee Blaney is Associate Professor in the Department of Chemical, Biochemical and Environmental Engineering, and Associate Director of Sustainability Engineering at UMBC. Recipient of:

- Maryland-ACS Braude Award
- Maryland Outstanding Young Engineer Award
- NSF Career Award
- AEESP Award for Outstanding Teaching in Environmental Engineering and Science
From the Editor's Desk...

This is our second newsletter celebrating 2021, the year of hope. There are very positive news about the control of the pandemic; as of April 5th, more than 3 million daily vaccinations are administered in the US making us hope that Covid-19 will become a nightmare from the past.

Many celebrations took place during the months of February and March. In February we celebrated women in chemistry. The women chemist committee WCC organized a lecture by professor Dr. Birthe V. Kjellerup on "Wastewater Testing Tracing of COVID-19" on February 24th (p 12). March was women's month; there were history videos and activities throughout the month. March 8th is International Women's Day. The day was acknowledged in different countries at different times (France for example adopted it in the 1980's). Women have come a long way to have their achievements noticed, respected, and accepted. It is a good time to reflect on the education young women receive and to determine whether they are provided with the necessary tools for a successful career in chemistry (p 19). We have a short review of the celebration of International Water-Day on March 20th (p 20). Distinguished speakers from UNESCO and different countries expressed their ideas and concerns about water. The theme was: Valuing Water.

We welcome the month of April with the celebration of 2021-Student Awardees. Needless to say, students are the promise and future of chemistry; you can learn about the student award, its history, and the lecture we will have on April 11, 2021 at 2:00 PM (p 4 - 10). The presenter is our distinguished Braude awardee, Professor Blaney from UMBC. He will present his research on an innovative nutrient recovery technology, PEARs from chicken farms in the Maryland area and how the farms affect the environment, specifically, water, (p 5).

Please help us find candidates for the distinguished Braude Award 2021 (p10). We report on the results of the first Local Chemistry Olympiad to select the students that will represent Maryland at the National level (p13). Finally, the report in the councilor's corner section is an attempt to increase communication with chemists to inform you of ACS activities at the national level (p 14 -18).

Thank you for your contributions and cooperation.
Spring greetings to all ACS Maryland Section members. With the weather getting warmer and vaccination numbers going up, there is much to look forward to. I hope that our members and our extended families continue to stay safe. I write this brief message to keep you posted on the section's activities and to continue to offer an open channel of communication to the executive board of the Maryland section.

I am pleased to report on several ongoing activities within the section. The section is currently undergoing a review of the bylaws in order to update them to the current standards set by national. A draft has been completed, and we hope to have them reviewed at the executive committee level and with national soon. We hope to submit the changes to the membership in the fall. The ACS's national meeting will be held April 5th - April 16th in a virtual format. We hope that you will consider registering. Section Councilors will also meet virtually during that time. I would like to include the Student Awards for outstanding performance in undergraduate chemistry. The official awards event honoring these excellent students will be held virtually on April 11th at 2:00 PM. Additionally, we are celebrating our 50, 60, and 70-year members. This year we have 18 ACS Maryland members that have been a part of our section for at least 50 years!

I renew my call for programing ideas. We would like to support all types of programing that furthers the mission of the section and the society, and we are specifically focusing this year on programing that engages younger chemists, women chemists, and minority chemists. If you have ideas for both virtual and face-to-face programing (when restrictions are lifted) we would like to integrate this into our long-term planning. Some funding is already in place, so do not hesitate to contact us with ideas or questions.

I wish you all the best for the spring, and into the summer!

C. Eric Cotton
C. Eric Cotton, Ph.D.
2021 Chair
ccotton2@ccbcmd.edu
Congratulations to All 2021 Student Award Recipients!

Professor Blaney will address students in the ZOOM virtual presentation:
Join Zoom Meeting https://american-chemical-society.zoom.com/j/88155217586?pwd=YWFFSEF2N1o0M3hVVWpmSmpNZ2phUT09
Meeting ID: 881 5521 7586
Password: 521073

The lecture will be right after the presentation of each student. All student awardees will receive ACS certificates with an ACS printed cover and a leather portfolio. The Maryland Section of ACS feels proud of all student awardees. We are glad to the opportunity to celebrate the achievement of these student once more. These students who went on to become outstanding figures in their colleges and universities are an example and an inspiration to their colleagues, we wish them the best in their respective careers and hope for more successes in their future.

Our guest Speaker DR. LEE BLANEY is the recipient of the 2020 BRAUDE AWARD, a prestigious award from ACS Maryland. He will present a virtual lecture and address students during the Student Awards Ceremony. Professor Blaney has established a research program focused on (1) the occurrence, fate, transport, and toxicity of contaminants of emerging concern in natural and engineered systems and (2) development of innovative technologies for resource recovery from agricultural and municipal waste.

"On the Student Award"

This year we celebrate the nomination of 19 excellent students from various colleges and universities of Maryland, see History Corner p 6. To learn more about Professor Blaney and his involvement with ACS Maryland Section Read his interesting article written for the Chesapeake Chemist on June/July issue, 2020, p 4-7 "Occurrence of contaminants of emerging concern in the Environment" and about the Braude Award presentation in his honor on the 2020 October issue.

Dear student awardees let us know about you, it is an honor to receive this award. It will be great if you could share with all readers of the Chesapeake chemist, an article by you related to your field of expertise or any other topic you feel appropriate to share with our young chemistry community. Write to us and send all information to George Farrant at or Beatrice Salazar, The Chesapeake Chemist Editor-in-Chief.

List of student Awards recipients and photos p 7-10.
Abstract
This presentation will describe the motivation for and application of an innovative nutrient recovery technology, namely the Phosphorus Extraction and Recovery System (PEARS), to agricultural waste. Each year, approximately 1000 chickens are raised for every person living in the 5400 square miles between the Delaware and Chesapeake Bays. Due to increasingly strict nutrient regulations in the Chesapeake Bay watershed, innovative resource recovery systems are needed to handle the large volume of nutrient-rich poultry litter. To address this issue, we developed PEARS, which uses CO₂ gas and acid to mobilize phosphate, ammonium, magnesium, potassium, calcium, and other species in poultry litter. The nutrient-rich extract is then separated from the nutrient-deficient poultry litter solids. Next, the pH of the nutrient-enriched solution is adjusted through aeration and NaOH addition to generate a valuable product, namely struvite-based fertilizers. PEARS has demonstrated >80% phosphorus recovery from real poultry litters collected from Chesapeake Bay farms. The findings from this study will help to not only reduce nutrient loads in the Chesapeake Bay, but also identify alternative sources for crucial nutrients like phosphorus. Overall, the outcomes of applying this technology to recover nutrients from agricultural waste involve water, food, economic, and political security.

Biography
Lee Blaney is an Associate Professor in the Department of Chemical, Biochemical, and Environmental Engineering at the University of Maryland Baltimore County. He holds BS and MS degrees in Environmental Engineering from Lehigh University and a PhD in Civil Engineering from the University of Texas at Austin. His research program focuses on the (1) occurrence and fate of contaminants of emerging concern in natural and engineered systems and (2) recovery of nutrients and other resources from waste streams. Lee is a recipient of the NSF Career Award, the James J. Morgan ES&T Early Career Award, and the AEESP Award for Outstanding Teaching in Environmental Engineering and Science.
2021 Student Awards Ceremony
43rd anniversary

By George Farrrant,

This is the 43rd anniversary of the Student Awards Ceremony (SAC).

This event began in March 1978, under the direction of Dr. Carl Minier from Essex Community College of Baltimore County (CCBC). He was chair of SAC for several years. The program was part of the Maryland Section of the American Chemical Society (ACS) effort to promote the study of chemistry by recognizing outstanding achievement early in a student’s career.

The selection for the awardees is left up to 21 individual chemistry departments of the local colleges and universities. Each college and university are contacted to submit one nominee each year. Each University or college has total autonomy to design their own nomination criteria. SAC has been one of the most popular celebrations of the Maryland Section over the years, often generating more than 100 attendees. In the past years we have increased the number of awardees. The award is a significant recognition of a student’s record and often helpful in the pursuit of a career in the sciences.

Since 2018 we are including a poster section of the students’ recipients of travel awards, another successful program of the ACS Maryland Section. The poster presentation is open for discussion with the respective presenter 30 min. to 45 min. before the award ceremony, during lunch and few minutes after the ceremony. Please join us and connect with young promising students.
Maryland Section of the ACS Student Awardees for 2021

Anne Arundel Community College
Matthew B. Brown

Baltimore City Community College
Victoria Omoniyodo

Community College of Baltimore County-Catonsville
Jacob Funk

Coppin State University
Ms. Alanna Newby

Fredrick Community College
Evangeline V. Attota

Goucher
Jeremy Bloch

Hood College
Christian Matthew Wagner

Harford Community College
Nathan Nash

Howard Community College
Christopher Bardini

Johns Hopkins University
Alexander Eremiev

Loyola University Maryland
Liam O’Grady

McDaniel College
Zach Kiick

Mount Saint Mary’s University
Nicholas Starvaggi

Saint Mary’s College of Maryland
Haley Logan

Morgan State University
Khayra Alab rash

Notre Dame of Maryland University
Myra Beyene

Stevenson University
Kaitlyn Beardsley

Towson University
Olivia Driessen

United States Naval Academy
Taylor L. Forrester

University of Maryland Baltimore County
David Shelly

Washington College
Mahin Zaman
Congratulations!
ACS Student Awardees for 2021

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Matthew B. Brown

Baltimore City Community College
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Community College of Baltimore County-Catonsville
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Loyola University Maryland
Liam O’Grady

McDaniel College
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Mount Saint Mary’s University
Nicholas Starvaggi

Saint Mary’s College of Maryland
Haley Logan

Morgan State University
Khayra Alabrash

Notre Dame of Maryland University
Myra Beyene

Stevenson University
Kaitlyn Beardsley

Towson University
Olivia Driessen
Congratulations!
ACS Student Awardees for 2021

United States Naval Academy
Taylor L. Forrester

University of Maryland Balt. County
David Shelly

Washington College
Mahin Zaman

ANNOUNCEMENTS

CALL FOR NOMINATION: 2021 Braude Award

https://acsmaryland.org/braude-award/

The Braude Award is awarded at the October meeting and honors a professor conducting outstanding research involving students at a college or university in the Chesapeake region. At the October meeting the recipient presents his/her research and receives a plaque describing his/her contributions as well as a monetary award to help support further student research. Nominations are now being accepted for the 2021 Braude Award. Nominees must be a member of the ACS, and underrepresented candidates including women, are encouraged. Please submit a list or description of the research accomplishments of the nominee, as well as an indication of the number of students involved in that research, to Louise Hellwig via email: louise.hellwig@morgan.edu. Deadline: June 1, 2021

CALL FOR CONTRIBUTIONS FOR THE FOLLOWING SECTIONS OF THE CHESAPEAKE CHEMIST NEWSLETTER, CCNL

Become a contributor, share your articles, ideas and chemistry interest with your colleagues!
ANNOUNCEMENTS cont. ACS members may contribute to CCNL any time by submitting comments, articles of interest to colleagues and the community and by writing for the following Newsletter sections.
MARYLAND SECTION REPORTS

By Beatrice Salazar

February Lecture

On February 24, 2021, Dr. Sara Narayan and Dr. Kelly Elkins organized a ZOOM meeting to celebrate women chemists. They invited Associate Professor, Dr. Birthe V. Kjellerup from The University of Maryland. Professor Kjellerup leads the University of Maryland Campus Wastewater Surveillance Program for Sars-COV-2. For more information see the Chesapeake chemist 2021 Jan.-Feb. issue, p15.

The lecture was and important call to the community regarding COVID-19. Dr. Kjellerup connected the efforts of Baltimore city and the state of Maryland with the scientific world. The state of Maryland generates numerous data that chemists analyze; the lecture explained some research on SARS-Cov-2 and COVID-19, methods of development, results from Washington Suburban Sanitary Commission (WSSC) sampling and other COVID-19 activity. The data analyzed was from St. Mary's County Health Department. Data on Vaccination in Maryland was shown up to February 22, 2021 with an announcement from Gov. Hogan of Milestone of 1,149,267 doses administered of COVID-19 Vaccine.

For Maryland information on COVID-19 contact https://coronavirus.maryland.gov/

Dr. Kjellerup, discussed effects of COVID-19 in animals and humans...

Gastrointestinal Symptoms

Dr. Kjellerup, discussed effects of COVID-19 in animals and humans...

SARS-CoV-2 & COVID-19

- Different proteins: SARS-CoV-2
- 8 protein binds to ACE2 receptor in humans

Environmental Monitoring: SARS2

What do we measure:
- A molecule that is always present: RNA

Thanks - Collaborators

Dr. Maurice Brana

Dr. Birthe V. Kjellerup
First Executive Committee Meeting took place on February 15, 2021

- The minutes from last meeting of 2020 was approved (see below).
- Several new initiatives were suggested.
- There is more money available for new programs.
- A committee to create new programs was organized by Local Section Chair, Eric Cotton, Ph.D.

To see previous and recent minutes use https://acsmaryland.org

USNCO Report

2021 is the second virtual year of the U.S. Chemistry Olympiad, USNCO. The ACS office in charge of the competition announced that approximately 16,000 students signed up for the virtual exam this year. Maryland had a total of 20 schools, 47 applicants, 39 completed all requirements both from ACS and from Maryland Local Section. The preliminary exam to select students for the national competition took place las March 27, 2021 at 3:00 P.M. and a second make-up exam on March 8, 2021. 28th. ACS has improved the technology to administer these exams. A course was created to prepare students for the exam technicalities, students need to create an ACS ID by login like ACS members https://acs.org. Students enter all their credentials through this account, present all required forms and take practice tests. All information is tabulated immediately, and the coordinators can track the progress of students anytime.

Students that are nominated for the national competition, after they take the PART-I of the exam will receive a congratulatory gift: a glass cup with all chemical formulas found in coffee. Exciting! This is a gift from ACS Maryland Local Section for their outstanding performance.

2021 USNCO NOMINEES, Congratulations!

Kelly He
Kelly Chen
Colin Thanh Jones
Aaban Syed
Jingjing Xu
Jiayue Lin
Anurag Sodhi
Vedant Patel
Akshay Kannan
Imaad Syed
Ammy Yuan
Abby Schuster
Pragat Patel
Alisha Mason*
Abby Schuster*
COUNCILORS REPORT

2021 Council Virtual Meeting Report by Beatrice Salazar, Councilor 2021-2023

I. Meeting March 23, 2021

The virtual Town Hall meeting allowed Councilors and Alternate Councilors to meet the 2022-President Elect candidates. All attending councilors had an opportunity to ask questions to the nominees and evaluate their responses. I tabulated and compiled their responses as follows (initials of the candidates and questions):

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
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Interesting points discussed by the candidates Q1-Q10 respectively:

Innovation is important to leaders in science - A need to close the gap between chemist and industry - Important issues on how to increase diversity - Project SEED programs (1993) expansion at both local and national level - Build upon past goals - Councilors could serve as mentors at all levels and engage all local sections - Seek terms for ACS governance positions - Address local section’s concerns to create better tides with university students - Influence university leaders and planning virtual lessons learnt form the pandemic - Train scientists to be better communicators - Increase virtual communication - "walk the walk" lead by example - Plan engagement of young chemists with emphasis on K-12 chemists, involve local sections - Work on regulation before materials are created.
rather than after - Solve unsolved problems where chemistry will be the solution - We need challenging issues papers - Believe in the power and value of chemistry in every-day life (involve local sections) - communication between industry and chemistry teachers - Safety is part of all activities: when a chemist invents something, he/she thinks of safety - Meaning of safety refers to behavior which turns to ethics.

This plethora of ideas and discussions are, in my opinion very important for locals sections to discuss, to create questions for future ACS presidents and for creating programs. The general message of each candidate is resumed in the following video-presentations.

II. Meeting March 24, 2021

The meeting was called to order by previous ACS president Dr. H. N. Cheng. He addressed the councilors with a special message on COVID-19, requested to spread the message to keep the community safe, to keep in mind diversity, inclusion, and respect and to practice chemistry without impediments.

A minute of silence was observed for those councilors and ACS members that died due to COVID-19.

The agenda was followed step by step; there was opportunity to vote for President Elect 2022 and many resolutions presented by each one of the committees. There were approximately 514 attendees and the meeting lasted about 5-6 hours. I will share here the message of President Chen and some important items of the agenda. A couple of the resolutions that were approved were a new 50% discount for ACS membership and limited term for councilors service.
All committees presented their 2021 February and early March meeting reports. The committee on Nominations and elections presented several reports and results. See the Councilor’s General Report next.

The following pictorial report will put a face to ACS leaders, contact them if you have questions or for your programs and future agenda.

COUNCILORS GENERAL REPORT: ON COUNCIL MEETING
FOR THE 261st ACS National Meeting
By Jan E. Kolakowski

The Council for the American Chemical Society met virtually on March 24, 2021 due to the COVID-19 pandemic.

The Maryland Section was represented by all four Councilors in attendance: Kelly Elkins, Jan Kolakowski, Beatrice Salazar, and Stephanie Watson.

The Council passed the following resolutions:

- In Memory of Deceased Councilors
- To Members of the American Chemical Society Recognizing the COVID Pandemic

- By electronic ballot, the Council selected Judith C. Giordan and John C. Warner as candidates for 2022 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

- The Council approved the recommendation of the Committee on Committees that the Committee on Ethics be continued.

- The Council approved the Petition to Harmonize Committee Structures, Processes, and Terms, as amended. This petition places all committees in one category called “Society Committees” thereby eliminating the several different types of committees. The years of service and the number of committee members on each Society Committee would now be consistent and would match the present terms of the Elected Committees – namely, three-year terms with a two-term maximum for committee members. The amendment stated “… service could be extended if the appointing officer(s) determine that there is a compelling need for ongoing expertise on the committee”. Six of the Society Committees will no longer have the “Councilor only” designation, allowing an individual to join and continue service on a committee regardless of their status as a Councilor.
• **The Council approved the 2022 Schedule of Membership** which reduces the base dues rate to $160 per year and establishes various dues categories and benefits packages based upon career stages, role in the chemical enterprise, and desired level of interaction by the Member with the Society. The eight membership categories and dues rates are:

1. Regular Member – full dues rate
2. Regular Member-Contributing – one-half the full dues rate
3. Regular Member-Graduate Student – 11/32 of the full dues rate
4. Student Member – 5/32 of the full dues rate
5. Society Affiliate – full dues rate
6. Community Associate – no annual dues
7. Retired Member – one-half the full dues rate
8. Emeritus Member – no annual dues

• **The Council approved the Distribution Formula for Division Allocations** which increases the base allotment and the per division allotment portion of the pools to be distributed among the 32 Divisions. Also, the portion of the pool devoted to Innovative Project and Strategic Planning Grants will increase from 10 to 15%. ACS Standing Rules state that 9% of the ACS Member Dues Pool be allocated to the technical divisions. The new allocation formula will reduce the year-to-year variation in the distribution amount and will work in all current national meeting formats.

• **The Council approved the Petition to Amend the Duties of the Committee on Local Section Activities.** The petition provides the Committee on Local Section Activities with the authority to support Local Sections by taking action on their behalf, including appointing an interim executive committee and/or facilitating a Local Section’s election when there is a lapse in the local section’s leadership.

• **Budget:** In 2020, ACS generated a net from operations of $61 million, which was almost $30 million higher than the budget. The total revenues were $618.4 million, increasing 3.9% or $23.1 million over 2019. Expenses for the year were $557.4 million, virtually even with the prior year and almost 5% below budget. This result was attributable to strong revenue performance from the Society’s Information Service units (i.e., CAS and ACS Publications) and a combination of COVID-19 related impacts on, and careful management of, expenses across the ACS.

• **The Spring 2021 (261st) National Meeting of the American Chemical Society,** originally planned for San Antonio, will be held virtually from April 5-16, 2021 followed by two weeks of on-demand access. There will be 120 scientific sessions held live per day, with live Q&A to follow, and visibility of other attendees in the room. The price for registration has been significantly reduced to $99 for ACS Members and $29 for students. At the time of the Council meeting approximately 5,600 attendees have been registered and, to date, 8,724 abstracts have been accepted.
On April 14, there will be a keynote session on the “Future of Science in the U.S.: National Science Board’s Vision 2030”. There will be a moderated session with speakers from the National Science Board, as they discuss the NSB report “Vision 2030” and explore needed changes to ensure U.S. pre-eminence in science. More information will be posted on the ACS Meetings and Expos Keynote Events page.

Respectfully submitted,

Jan E. Kolakowski
Councilor, Maryland Section
Photos: courtesy of Beatrice Salazar

Laugh a Little

- Lose an electron? Gotta keep an ion it.
- Gold is the best element because it’s AU-some.
- What element is a girl’s future best friend? Carbon.
- I wish I was adenine. Then I could get paired with U.
- What do chemists call a benzene ring where the carbon atoms are replaced with iron atoms? A ferrous wheel.
- The optimist sees the glass half full. The pessimist sees the glass half empty, but how does the chemist see it? Completely full, half with liquid and half with air.
- What happens when you lower your body temperature to -273°C? Nothing, you’re perfectly OK!
- What’s the difference between chemistry jokes and physics jokes? Chemistry jokes can be funny periodically, but physics jokes have more potential.
A Retrospective of Women Accomplishments

On January 15, 2018 Kat Arney wrote an article Chemistry: It's not for girls?

Are schools accidentally putting girls off science? The article deals with trying to get girls into science by showing them a pink lipstick-wearing female scientist is clumsy. The article deals with equity and how it requires addressing bias improving teaching methods. In the article Kat Arney mentions that equality training does not just have to come at the beginning of a teacher's career. She gives an example of a campaign training offered by WISE, open to anyone and school staff, it helps to identify and address unconscious biases. A similar process used in a campaign called "let toys be toys" that are trying to end gendered marketing.

MARCH:
WOMEN'S MONTH
March 8th
International Women's Day
Since 1900's
March 22, 2021 World Water day

Montebello Lake  March 21, 2021
Photo Courtesy of B. Salazar

Montebello
Water Filtration Plant-I
Baltimore, Maryland

Celebration of World Water Day 2021 – Valuing Water

25 February, 2021

On 22 March, 2021, World Water Day will be celebrated in an online event. The World Water Day celebrates water and raises awareness of the global water crisis, and a core focus of the observance is to support the achievement of Sustainable Development Goal (SDG) 6: water and sanitation for all by 2030.

The theme of World Water Day 2021 is valuing water. The value of water is about much more than its price – water has enormous and complex value for our households, food, culture, health, education, economics and the integrity of our natural environment. If we overlook any of these values, we risk mismanaging this finite, irreplaceable resource. SDG 6 is to ensure water and sanitation for all. Without a comprehensive understanding of water’s true, multidimensional value, we will be unable to safeguard this critical resource for the benefit of everyone.

- Presentation of the UNWWD Report 2021
  Speaker: Ms. Michela Miletto, Coordinator and Director, UNESCO WWWAP
- Interactive discussion: What does water mean to you?
  Moderator Mr. Neil Dhot, Executive Director, Aquafed (UK)
  Panel from Syria, Kenya, Videos from: Senegal, Colombia, The Kingdom of Netherlands and Italy
- Message from special guests: His Holiness Pope Francis, Vatican City
  H.E. Mr. David Choquehuanca, Vice-president of the Plurinational State of Bolivia
- Keynote: Mr. Pedro Arrojo-Agudo, UN Special Rapporteur on the human rights to safe drinking water and sanitation (Spain)
## EVENTS CONTACT

<table>
<thead>
<tr>
<th>Event Description</th>
<th>URL</th>
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<th>Time Frame</th>
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<td>The U.S. National Chemistry Olympiad USNCO MARYLAND</td>
<td><a href="http://www.beatricesalazarusncocoordinator.webs.com">http://www.beatricesalazarusncocoordinator.webs.com</a></td>
<td>Email: Louise Hellwig &amp; Michele Foss</td>
<td>Jan - April</td>
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<td>Student Travel Awards</td>
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<td>Email: Louise Hellwig</td>
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<td>Braude Award</td>
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<td>The Remsen Award</td>
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<td>The Maryland Chemist of the Year Award</td>
<td><a href="https://acsmaryland.org/maryland-chemist-of-the-year/">https://acsmaryland.org/maryland-chemist-of-the-year/</a></td>
<td>Email: Angela Sherman, <a href="mailto:asherman@ndm.edu">asherman@ndm.edu</a></td>
<td></td>
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</tbody>
</table>
2021 ADMINISTRATION OFFICERS

2021 SECTION OFFICERS

Chair 2021.............................. Eric C. Cotton, Community College of Baltimore County, cccotton2@ccbcmd.edu
Vice-Chair 2021...................... Sarah Zimmerman, Web Master, Chair of Member Assistance Committee scatzim@gmail.com
Chair-Elect (Chair 2023)... Kelly Elkins Kmelkins@towson.edu
Secretary 2021...................... Louise Hellwig, Morgan State University, lhouise.hellwig@morgan.edu
Treasurer 2021...................... Lee Lefkowitz, lee_lefkowitz@hotmail.com
Past Chair (2020)............... Pumtiwitt McCarthy, Morgan State University, pumtiwitt.mccarthy@morgan.edu

2021 SECTION COMMITTEE ON NOMINATIONS and ELECTIONS

Chair of the Committee on Nominations....... Dana Ferraris, Chair-2019, dferraris@mcdaniel.edu
Additional 4 members: .................... Pumtiwitt McCarthy, Chair-2020, pumtiwitt.mccarthy@morgan.edu
Beatrice Salazar, Chair-2018, beatricesalazar1@gmail.com
Sara Narayan, Stevenson University, Chair-2015, SNARAYAN@stevenson.edu

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2. 2021-2023 Beatrice Salazar beatricesalazar1@gmail.com
3. 2021-2023 Jan Kolakowski jek6042@gmail.com
4. 2021-2023 Stephanie Watson stephanie.watson@nist.gov

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1. 2021-2023 Alexander Samokhvalov alexandr.samokhvalov@morgan.edu
2. 2021-2023 Rob Clapper rob.clapper@scioninstruments.com
3. 2021-2023 Michele Foss foss.michele@gmail.com
4. 2020-2022 Paul Smith pjsmith@umbc.edu

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1. Angela Sherman, aherman@ndm.edu
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4. Rose A. Pesce-Rodríguez, rose.a.pesce-rodriguez.civ@mail.mil
5. Sara Narayan, Stevenson University, SNARAYAN@stevenson.edu

2021 PROGRAM CHAIRS

AWARDS
Braude Award, L. Hellwig
Remsen Award, D. Ferraris
Maryland Chemist of the Year Award, A. Sherman
Senior Chemist Award, M. Eiss/L. Gonzalez
Student Award, G. Farrant
Women Chemists, S. Narayan/K. Elkins

PROGRAMS
Women Chemists Committee, S. Narayan/K. Elkins
Student Travel, Louise Hellwig
High School Outreach: National Chemistry Olympiad & Chemist Celebrate Earth Day, B. Salazar
Middle and Elementary School Outreach (National Chemistry Week, Earth Day Week), R. A. Pesce-rodrigues
Publicity, S. Zimmerman/B. Salazar/J. Schmitt
Entertainment/Tours, M. Foss/L. Hellwig
COMMENTS:

Thank you for your contributions!

We sincerely appreciate your contributions and the time you spend writing articles, comments and news for our newsletter. Your Collaboration makes this newsletter an important part of the Maryland Local section activities.

Useful Links:

- See Chesapeake Chemist [volume 77 Issue No. 4 pg.13](https://www.editage.com/insights/a-young-researchers-guide-to-perspective-commentary-and-opinion-articles) for the announcement of a government job
- Senior Chemists presentations: Dr. G. Lozos, Dr. R. Berninger and Dr. C. Milton [https://acsmaryland.org/chemistry-video-links/](https://acsmaryland.org/chemistry-video-links/)

SEND US YOURS...

Memory of people's pandemic experiences

Invitation to all ACS Maryland Section Members.

How are you feeling during the COVID-19 pandemic? Let us know your experiences, let us hear your voices. Scholars, doctors, scientists, health experts, university administrators will better understand how the community reacted to the COVID-19 pandemic and how we are able to respond and help support the world. Send us an article with pictures, graphs, videos or journal entries, it will help us all. This is let us hear your voices. Scholars, doctors, scientists, health experts, university administrators will better understand how the community reacted to the COVID-19 pandemic and how we are able to respond and help important for our history. Thank you Dr. Lee Leftkowitz for this magnificent idea!
Changing your e-mail address? Moving out of the MD ACS area?
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- E-mail us at acsmarylandsection10@gmail.com
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