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IYBSSD2022

International Year
of Basic Sciences
for Sustainable Development

2022 International Year of Basic Sciences for Sustainable Development

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ACS Local Section New York
ACS Local Section North Jersey

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THIS MONTH IN CHEMICAL HISTORY

Harold Goldwhite, California State University, Los Angeles • **hgoldwh@calstatela.edu**

A trifle belatedly let me wish my readers a happy new year – and let me use the occasion of the start of a new set of columns for 2022 to look back a century and examine what was new in the chemical world in 1922. I will do this by scanning the pages of the "Annual Reports of the Progress of Chemistry for 1922" issued by The Chemical Society (of London; now the Royal Society of Chemistry) in London in 1923. This is the 19th. Volume of this valuable series, and I have drawn on these volumes for earlier columns I have written.

In the chapter on general and physical chemistry there is a critical analysis of gas viscosities. From these measurements can be derived a "mean collision area" of a gas that can be linked to modern (1922) views of atomic structure "and to the part which, according to the Lewis-Langmuir theory, is played by the valency electrons in the combination of the elements to form compounds…" "According to the Lewis-Langmuir theory the hydrogen compounds of the elements chlorine, sulphur, phosphorus, and silicon have an outer ring structure which is essentially identical with the outer ring structure of the inert element argon." Viscosity data and collision area measurements generally support this similarity – and [editor's note] thus presumably support the Lewis-Langmuir octet theory of molecular structure.

Sir W. H. Bragg delivered a recent (1922) lecture on the use of X-ray crystallography in linking the symmetry of crystals to the symmetry of their constituent molecules. He deduces that since most organic crystals are monoclinic prismatic in shape, if the molecule making up the crystal is devoid of symmetry there should be four such molecules in the unit cell.

Debye and Scherrer, from X-ray crystallographic data on lithium fluoride, infer that the valence electron of lithium has been transferred to the valence shell of fluorine, supporting directly the ionic combination of polar elements as postulated by – who else – Lewis and Langmuir. G. N. Lewis's book on Valency, that I discussed in an earlier column, was published the next year, in 1923.

A theory in the forefront of chemistry around 1922 was the radiation theory of chemical change. In its simplest form this theory asserts that "the frequency of the radiation that transforms the molecules of a substance into a reactive condition can be calculated from the temperature coefficient of the velocity of the reaction". This topic formed the basis of a general discussion of The Faraday Society, the U.K.'s primary outlet for physical chemistry. The theory came under sustained attack during that discussion and subsequently, since in many cases reacting molecules had no absorption bands in the relevant spectral areas. The reporter's conclusion is that the radiation theory has not received definitive support in the period under review – quite the reverse.

Disperse systems and colloidal solutions get their own section. I will not go into detail on the 1922 findings, but simply remark that this fascinating state lying between true solutions and particle suspensions seems to have been somewhat neglected of late. When I ask current chemistry students "What is a colloid?" they seem stumped for an answer!

I conclude this initial essay on the chemistry of 1922 with a start on the section on inorganic chemistry. There is, unsurprisingly, overlap with the section on general and physical chemistry. Atomic theory is the starting topic, and we hear again about the L-L theory, as I shall call it for short. The reporter draws on the work of some famous chemists (Sir J. J. Thomson, A. Lapworth, R. Robinson, N. Bohr, and W. L. Bragg among others) to conclude that L-L theory begins to show imperfections beginning with sodium, and increasingly with heavier elements. "…one cannot escape the conclusion that chemical properties are determined, not by the outer electrons alone, but by the atomic constitution as a whole".

More about 1922 in my next installment of This Month in Chemical History.

THE Indicator

http://www.theindicator.org/

The monthly newsletter of the New York & North Jersey Local Sections of the American Chemical Society. Published jointly by the two sections and distributed to their 6,200 members.

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The Indicator (ISSN 0019-6924) is published on-line monthly except July and August by the New York and North Jersey Local Sections of the American Chemical Society, Office of Publication.

All views expressed are those of the editor and contributors and do not necessarily represent the official position of the New York and North Jersey Local Sections of the American Chemical Society unless so stated. The Indicator is distributed electronically to members via email and their websites. Non-members are invited to read it online. ACS Members should register their email addresses at

https://www.acs.org/editmyprofile.

Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

February Calendar

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N.B. the date is changed

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William H. Nichols Distinguished Symposium and Award Dinner

Saturday, May 7, 2022
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Ad Index

Advertising in The Indicator

Reach over 6,200 American Chemical Society members in the New York metropolitan area while building brand awareness among a focused group of professionals. Click here for additional information, including rates and order form. For questions, please contact the Advertising Manager.

SOCIAL JUSTICE VIA BASIC SCIENCE

Promoting prosperity while protecting the planet is the aim of the seventeen sustainable development goals (SDGs) endorsed by all the member countries of the United Nations General Assembly in 2015. These goals aim to ensure good health and economic prosperity for the peoples of Earth by preserving biodiversity, combating climate change, fighting inequalities and promoting world peace. Furthermore, these SDGs promote economic development in ways that meet our present needs without comprising the ability of future generations to meet their needs. The UN developed a 15-year plan, Transforming our world: the 2030 Agenda for Sustainable Development, to effect balanced, sustainable and inclusive development for the planet.

IYBSSD2022
International Year
of Basic Sciences
for Sustainable Development

Addressing many of these SDGs requires developing applied technologies that will be underpinned by the scientific advances and innovations that are a result of curiosity-based basic research which also serves to train problem-solvers and data-driven decision makers capable of tackling these complex societal issues. In recognition that basic science research is vital to accomplishing these sustainable development goals, 2022 has been named the International Year of Basic Sciences for Sustainable Development. A year-long program is planned to elucidate the links between basic science research and sustainable development. Scientists are called to reach out to the general public and to their decision-makers, both public and private, to support the development of the basic sciences, especially in parts of the world where they are still insufficiently developed.

NEW YORK SECTION MEETINGS

BOARD MEETING DATES FOR 2022

The dates for the Board Meetings of the ACS New York Section for 2022 are below. The meetings are open to all – everybody is welcome, but an RSVP for in-person attendance is required 5 days before the meeting, the Wednesday before the Monday meeting. All members who would like to attend any of the meetings should inform the New York Section office by emailing Ms. Bernadette Taylor. Prof. Kathleen Kristian will Chair all meetings. The meetings will start at exactly 6:30 PM.

The board meetings dates are, as follows:

Monday, February 28, 2022 (virtual only)
Monday, March 28, 2022 (hybrid)
Friday, April 8, 2022 (virtual or hybrid)
William H. Nichols Symposium and Medal Award Dinner at the Sonesta Hotel, White Plains, NY.
Monday, June 13, 2022 (hybrid)
Monday, September 19, 2022 (hybrid)
Monday, November 21, 2022 (hybrid)

Please note that there will also be a virtual meeting of the Finance Committee on Thursday, **November 10, 2022**.

More information will be posted in future monthly issues of *The Indicator* and on the New York ACS Board of Directors' website.

Submissions for the March issue of The Indicator are due on February 16th.
http://www.theindicator.org/

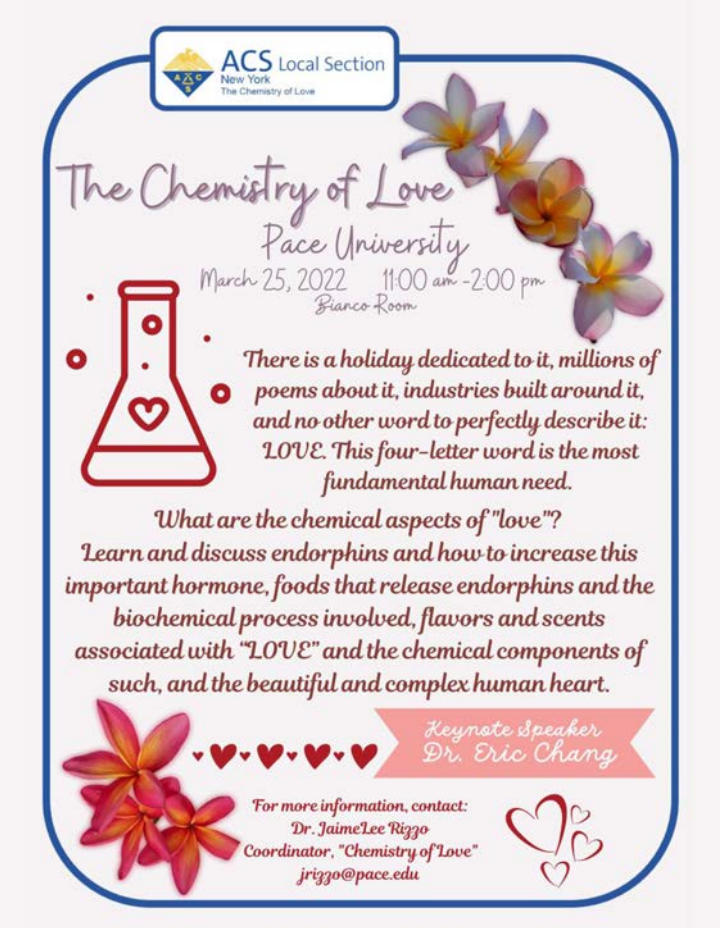
THE CHEMISTRY OF LOVE

Celebrate the Chemistry of Love with keynote speaker Prof. Eric Chang as he discusses the chemical and biochemical aspects of love including the impact of endorphins and how fragrances and flavors play a role. Registration is $5 per person for this in-person event, *seats are limited* so register early.

Speaker: Dr. Eric Chang
Pace University

Date: **Friday, March 25, 2022**
Note the date change.
Place: Bianco Room, Pace University
Time: 11:00 AM – 2:00 PM in person
Registration is $5 and required

Masks must be worn during this in person event and proof of vaccination is required to attend.



LONG ISLAND SUBSECTION

The Science Behind the Cosmetic Industry

Speaker: Ms. Sandy Enriquez
Topix Pharmaceuticals

Date: **Thursday, February 3, 2022**
RSVP by February 2, 2022

Time: 6:00 PM via Zoom

Abstract

When purchasing makeup, personal care products and other over-the-counter (OTC) goods, the science behind them is not usually the first thing that comes to mind. Nonetheless, the chemical and biological properties of the raw materials that constitute these products are crucial in understanding the formulation stages. A research and development chemist in the cosmetics industry, will focus on the physical properties of many of the substances that are used on a regular basis. Some of these substances are solubilizers, emulsifiers, surfactants, and preservative agents. In addition, experimental work on the bench is performed in order to create a system that is stable but most importantly will be effective in its intended use when applied to the skin and/or hair. Regulations on the usage of these ingredients is also an important factor that determines how a product is developed. Nowadays, many companies adhere to the clean ingredient guidelines and would rather use natural or organic based chemicals in the development of their brand goods. However, this raises new challenges in the formulation as well as the performance of the product. For instance, a sunscreen presents its own set of challenges, as the chemical composition of its active material must work favorably in the system and on the application to the skin. The aim is to achieve a designated Sun Protection Factor (SPF), while complying to the FDA regulations and in several cases, the clean ingredient guidelines. Furthermore, analyses using the UV-light spectrophotometer, the HPLC apparatus, total-solids test, and the Karl-Fischer titration are useful techniques that aid in formulating oil-in-water or water-in-oil emulation systems.

Next Long Island Subsection Meeting

Roles of advanced oxidation processes in eliminating contaminants of emerging concern in water and wastewater

Speaker: Dr. Dionysios (Dion) D. Dionysiou
University of Cincinnati

Date: **Thursday, March 3, 2022**

Time: 6:00 PM via Zoom

More info

WESTCHESTER CHEMICAL SOCIETY

Life Cycle Methods for Sustainable Materials

Speaker: Julian R. Silverman, Ph.D.
Manhattan College

Date: **Tuesday, February 15, 2022**

Time: 7:00 PM via Zoom

Abstract

Soft materials such as gels, emulsions, and polymers, make up a variety of biomaterials and consumer products. Many of these products were once made from renewable natural feedstocks and are today made from chemicals and byproducts from non-renewable fossil fuel resources. To promote the use of sustainable alternatives in soft material formulations, biobased chemicals derived from waste resources can serve to divert waste from landfills and access chemicals from non-food resources to formulate functional biobased soft materials. To critically evaluate soft materials from technical, economic, and environmental perspectives life cycles assessments use metrics focused on quantifying impacts from making and using these materials. These evaluate a wide array of impacts from cost, to mass efficiency, toxicity, and environmental impacts to provide a broader perspective of a material's impacts from component synthesis to recycling or disposal.

Three examples will be shared demonstrating the versatility of waste resources to generate commodity chemicals (vanillin and prepolymer reagents for resins from grass lignin), materials from chemicals (soaps and gels from waste cooking oils), and the application of soft materials to address environmental problems (spill-proof fuel gels). These serve to highlight the impacts of sourcing, processing, and application of biobased waste feedstocks at different points in a chemical, material, and product life cycle. By highlighting best practices and green chemistry principles (preventing waste, safer solvents, alternatives assessments, etc.) we can motivate scientists and engineers to adopt life-cycle techniques to address both safety and sustainability of soft material systems and their impacts on the environment.

Describe a recent breakthrough or innovation in chemistry (and/or its applications) that has improved the quality of people's lives today.

CHEMAGINATION

The New York Section is proud to sponsoring a creative writing contest for high school students, Chemagination. Imagining that they are living 25 years in the future, students are asked to write a magazine article with cover art that addresses the theme in green above.

More info

HONORING CHEMISTRY TEACHING EXCELLENCE

2021 Nichols Foundation
High School Teacher Awardee
Jamila Rukiya Harris, M.S.

The New York Section is proud to honor Jamila Rukiya Harris, M.S., of the Thurgood Marshall Academy for Learning and Social Change in Harlem, NY, with the 2021 Nichols Foundation High School Teacher Award. She is a native New Yorker, having been born on May 18, 1974 in Queens, NY to her lovely parents: the late Mrs. Bettye Baly and her living father Mr. Alphonso Baly. She was raised on the Upper West Side of Manhattan with her three siblings and she still resides there today. She attended and graduated from The Mandell School for her nursery and kindergarten years. Next she attended and graduated from the Alexander Robertson School for elementary school. Next she attended Holy Name of Jesus School for middle school where she graduated as class valedictorian in 1988. Her high school years were spent at Saint Vincent Ferrer High School where she graduated in June 1992 with honors as a Member of the National Honor Society. She then moved onto to pursue her bachelor of science degree in chemistry from Trinity College in Hartford, Connecticut where she graduated from in May 1996.

After completion of college, she decided to attend the post baccalaureate program in general studies as a part-time student at Columbia University to obtain more education in the sciences. Simultaneously she worked full time as a research assistant at Emisphere Technologies in Tarrytown, NY. She worked in the formulations department as a pre-formulation chemist doing research on heparin, insulin, and many other pharmaceutical drugs for another 13 years. During her years at Emisphere, she presented her research annually at the American Chemical Society National Conferences and The American Association of Pharmaceutical Scientists National Conferences as well. In 2001, she wedded her husband of 20 years, Harry Harris. It was at this time in life that she decided to pursue her graduate degree in secondary science education at the City College of New York under Dr. Richard Steinburg, Professor of Science Education and Physics, while still working full time at Emisphere. She completed her Masters Degree in 2006 with honors from City College. In 2009, she joined Merck Pharmaceuticals in Rahway New York as a pre-formulation chemist screening polymorphs of several drugs. In 2010, she became blessed as a mom to her first daughter, Alyssa Harris, and later in 2012, was blessed again with her second daughter, Aaliyah Harris. Her career in pharmaceutical research transitioned to teaching full time as a chemistry teacher at The High School for Media and Communications in the George Washington Campus in Washington Heights, N.Y. She taught Regents Chemistry, Regents Physics, Physical science electives, and health classes during her years at HS for Media And Communications where she had the opportunity to work with great teachers and students who heightened her love for teaching. In 2019, she was offered the opportunity to continue teaching regents chemistry at Thurgood Marshall Academy for Learning and Social Change in Harlem, NY where she has already built a strong connection to her students and staff members who all work hard to support student success. Despite the academic challenges that both students and teachers have had to endure in the past 22 months of the pandemic with Covid 19, her passion and drive and genuine love for students and teaching has not changed and she plans to continue to inspire and make differences in the lives of our future.

Potential Advertisers
Want to reach 6,200 ACS Members?

The Indicator **is actively seeking new advertisers from academia, industry, suppliers and service groups. New rates are in effect that we believe you will find attractive and competitive.**

Click here to request a copy of our new rate sheet and reply form via email. The March issue deadline is February 16th.

http://www.theindicator.org/

New Jersey Association of Forensic Scientists 2022 Spring Seminar

"Canines in Forensics"

May 6th, 2022 8:00AM – 3:30PM at the Lambertville Inn, Lambertville, NJ

Speaker Topics to Include:

- The birth of K-9 Units in NJ
- Training and focus for K-9
- Science of K-9 Olfactory
- Drug dogs, Arson dogs
- Case studies

See Our Website:
NJAFS.org for More Information

Registration Includes: President's Reception (05/05/22), Continental Breakfast, Break, Luncheon, and Certificate

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NORTH JERSEY SECTION MEETINGS

https://www.njacs.org/

2021 NORTH JERSEY EXECUTIVE COMMITTEE MEETINGS

2022 North Jersey ACS Chair Qi Gao and the Executive Council welcome you to our monthly NJACS meetings. All meetings will be held virtually until further notice. The meetings are normally held on **Mondays from 7 pm to 9 pm once per month.** All members are welcome to attend and become more involved in section activities.

The format for each meeting will be announced in preceding month's issue of The Indicator.

For any additional information including a link to virtual meetings and RSVP deadline for in-person meetings, please click here to email our Communications Chair.

February 21
March 14
April 18
May 16
June 13
September 19
October 17
November 14
December 12

N.B. The February meeting date is changed

CALL FOR VOLUNTEERS – 2022 OPPORTUNITIES

The North Jersey Section wants you! We are made up of many members (over 3,000), and all can help the American Chemical Society's mission by:

- volunteering for a NJACS event
- volunteering on a NJACS committee
- getting more involved in a topical group
- applying to run for an elected volunteer office

Not only will you help us serve chemistry and the community, but volunteering can be a great resume builder!

We would love to have help with the following committees especially :

- Younger Chemists
- Senior Chemists
- Minority Affairs (Diversity, Inclusion, Equity, and Respect)
- Women Chemists Committee

but have many more listed here.

If you're ready to take the next step and volunteer, please fill out this interest form or email our Communications Committee.

2021 BAEKELAND SYMPOSIUM WILL BE HELD IN MAY 2022

2021 Baekeland Awardee Prof. Prashant Jain

The 2021 Baekeland Award Symposium will be held on May 12th, 2022 at Fairleigh Dickinson University in Madison, New Jersey. The 2021 Baekeland Award is going to Prof. Prashant Jain (University of Illinois at Urbana-Champaign) to celebrate his contributions to advancing the understanding of light-matter interactions, chemical transformation in nature and technology, and the inner workings of metal catalysts and photocatalysts. The confirmed speakers of the symposium include: Prof. George Schatz (Northwestern University), Prof. Prashant Kamat (University of Notre Dame), and Prof. Paul Weiss (University of California– Los Angeles).

Detailed program and agenda to follow.


Prof. George Schatz


Prof. Prashant Kamat


Prof. Paul Weiss

NJACS NMR TOPICAL GROUP

The next NJACS NMR Topical Group virtual meeting will take place on **February 17th at 7:00 pm ET**. The speaker will be Dr. Keith Fritzsching from Sandia National Laboratories, pictured above. Further details and connection information can be found at https://www.njacs.org/nmr-spectroscopy-topical-group.

CALL FOR APPLICATIONS FREDDIE AND ADA BROWN AWARD

This Award recognizes and encourages **high achieving middle- and high-school students, of African American and Native American heritage**, to further develop their academic skills, with views on careers in the chemical sciences.

Award Amounts
Middle School: $100.00 Check and $50.00 gift certificate
High School: $200.00 Check and $100.00 gift certificate.

Who is Eligible
Middle School: students enrolled in a science class
High School: students who have completed a chemistry course

Grades
Middle School: B Average or better in Science, B Average overall
High School: B Average in Chemistry, B Average overall

Letter of Recommendation
Math or Science/Chemistry Teachers or Guidance Counselor

Statement
Middle School "Why I Like Science" : High School "Why I Like Chemistry"

Selection Criteria
Applicants must be African American (Black) or Native American (including Pacific Islander) or of mixed race.

More information
Award Application
Award Announcement

The Indicator is posted to the web 1ST of the month at
http://www.theindicator.org/

AN OPEN LETTER TO UNDERGRADUATES ON THE VALUE OF SUMMER RESEARCH EXPERIENCES

As you begin to consider how you will spend this coming summer break, I encourage you to explore research opportunities either at the college/university you currently attend, at other universities in the U.S. or abroad, or through an internship in industry. Participating in an undergraduate research program is an invaluable opportunity to truly experience what chemistry research is like so you can ascertain if it is something you enjoy and want to pursue after college.

I was lucky enough to participate in two NSF-REU (Research Experience for Undergraduates) chemistry programs in college, after my second and third years – one at the University of Puerto Rico, Río Piedras campus, and the second at Columbia University. These experiences were formative for me.

It's 15° outside with 10" of snow on the ground.
Now is the time to apply for a summer research experience.

During these 9–10-week programs, I was immersed in academic research: working on independent projects with a graduate student/postdoc advisor, learning new laboratory techniques and instruments, attending weekly research group meetings and journal clubs, departmental seminars presented by guest speakers, and seminars specifically for program participants on topics such as NMR principles or applying to graduate school. Through all of these activities, I got a better understanding what it means to be a researcher and what graduate school in chemistry is like.

Additionally, the friendships and connections I made with fellow undergraduate chemistry majors from around the country, plus the graduate students, postdocs, and faculty members I met and worked with throughout the summer, may have been the most consequential outcome from these summer programs. Many of these people are still in my network and have been personally and professionally helpful throughout my career. For example – thanks to the encouragement and support of one of my REU advisors – I applied for and was awarded a Fulbright fellowship to do research at Stockholm University for a year after I graduated from college. Furthermore, I chose to attend graduate school in chemistry at Columbia University in large part due to my experience in the REU program there and my affinity for the research I did that summer.

Acceptance into one of the dozens of NSF-REU programs around the country comes with a stipend and housing, in addition to countless educational opportunities. You may also be invited to present your summer research findings at a national ACS meeting – and/or local/regional meetings – which is another fantastic professional development opportunity. I really encourage you to look for research opportunities to apply, solidify, and augment what you have been learning in your chemistry courses, as well as explore the myriad areas of chemistry research open to you!

Margaret Elvekrog, Ph.D.
Pipeline Team Lead at Exact Sciences

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Who should apply?
College Juniors / rising Seniors with an interest in chemistry, biochemistry.
Women and students from underrepresented groups in STEM.
US citizenship or permanent residency not required.

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CALL FOR NOMINATIONS

2022 MIDDLE ATLANTIC REGIONAL MEETING (MARM 2022) AWARDS

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences recognizes individuals and/or institutions who have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region. This award is sponsored by the ACS Committee on Minority Affairs. Nominations are submitted via the link on the award website.

Deadline: March 1, 2022

E. Ann Nalley Middle Atlantic Regional Award for Volunteer Service to the ACS recognizes the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their regional activities. Please use this nomination form. Nominations are submitted via email to marm2022@tcnj.edu Please state "E. Ann Nalley Award" in the subject line.

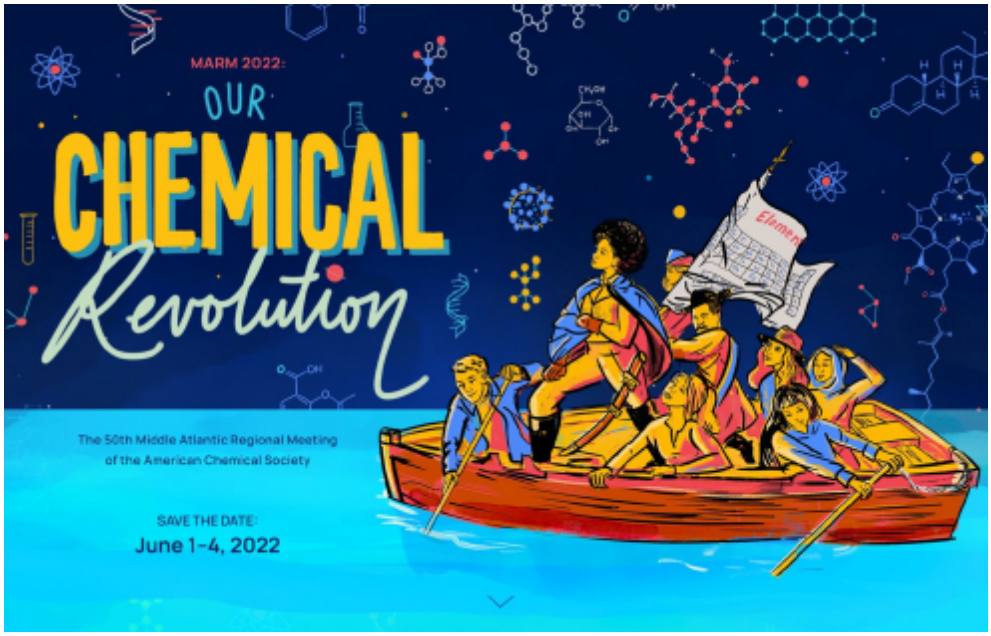
Deadline: March 9, 2022

E. Emmet Reid Award in Chemistry Teaching at Small Colleges celebrates outstanding achievements in teaching chemical sciences at small colleges within the Middle Atlantic Region. Information on this award and nomination procedures are in this document. Nominations are submitted via email to marm2022@tcnj.edu Please state "Emmet Reid Award" in the subject line.

Deadline: March 9, 2022

ACS Division of Chemical Education Middle Atlantic Region Award for Excellence in High School Teaching recognizes, encourages, and stimulates outstanding high school chemistry teacher in the Middle Atlantic Region. Please use this nomination form. Nominations are submitted via email to marm2022@tcnj.edu Please state "Award for Excellence in High School Teaching" in the subject line.

Deadline: March 9, 2022



Abstract submission open, deadline March 7, 2022

OPPORTUNITIES

APPLY NOW FOR THE ACS SCHOLARS PROGRAM

The ACS Scholars Program awards renewable scholarships to **undergraduate students from historically underrepresented groups** in the chemical sciences, majoring in chemistry-related disciplines, and intending to pursue chemistry-related careers. Selected recipients are awarded up to $5,000 per academic year. To date, over 3,500 students have received funding from the ACS Scholars Program.

Apply by March 1, 2022

CONSIDERING GRADUATE SCHOOL?

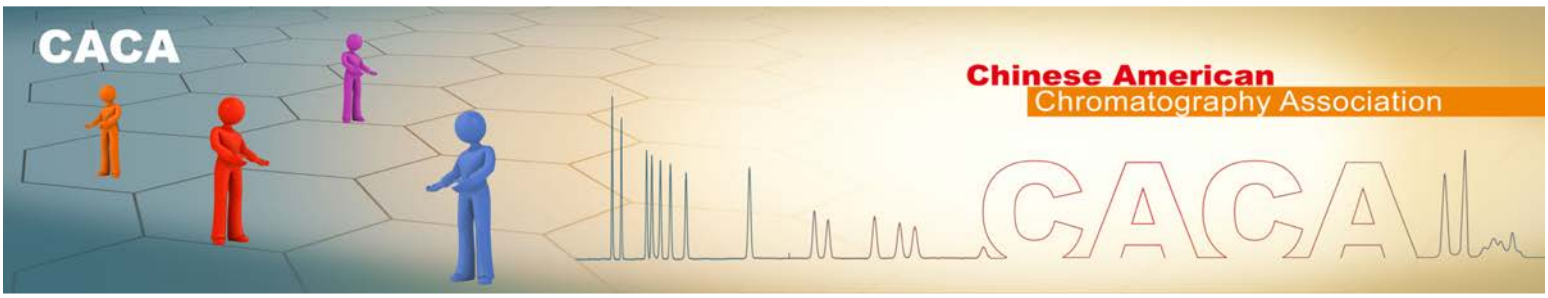
The ACS Bridge Program offers a 1 to 2 year Bridge Experience to help you make your application to graduate school more competitive. You gain research experience, take advanced courses, and are mentored in the application process. Applications due **March 31, 2022**

Apply here

INTERESTED IN A FACULTY POSITION?

The ACS Postdoc to Faculty Workshop is a fantastic way to prepare for the transition to a faculty position. The workshop is being planned for an in-person event July 29-31, right before the academic hiring season begins.

Apply by April 3, 2022



PMSE AWARDS FOR FACULTY & POSTDOCTORAL SCHOLARS

The Polymeric Materials Science and Engineering (PMSE) technical division of the ACS is calling for nominations for the 2022 Young Investigator Awardees. Awardees will be selected from across industry, national labs, and academia. Postdoctoral scholars are encouraged to apply for the 2022 class of PMSE Future Faculty Scholars. The deadline is **February 7, 2022**.

The Analytical Division is the third largest division of the American Chemical Society. It organizes programming at the spring and fall ACS meetings, Pittcon, the SciX conference and the Eastern Analytical Symposium (EAS). The ANYL Division website provides a variety of information and member services, including the Analytical Sciences Digital Library. The division has a wide range of outreach programs including student travel grants and regional meeting support. Its award program includes undergraduate, graduate and professional awards. This member oriented and directed group works for you! We welcome new members. Please join and/or volunteer to help on one or more activities.

JOIN THE #IAMNYACS SOCIAL MEDIA CAMPAIGN

All members of the New York Local Section are invited to participate in the #IAMNYACS social media campaign so that the NYACS can highlight its membership on our social media channels (Facebook, LinkedIn, Twitter) and introduce you to a broader community.

Participating is simple. Simply provide with a photograph and two short phrases to highlight yourself via email. One phrase identifies what you do as a chemist, the other indicates the broader context of your contributions/accomplishments.

See examples here

Diversity, Inclusion & Respect
www.newyorkacs.org

SHOW YOUR PRIDE

Click the image to join the ACS' Proud to be Chemists social media campaign that recently highlighted Professor Nikita Burrows, Ph.D.

"I'm Proud to Be a Chemist because as a chemistry educator and researcher I get to help students understand the world around them through a chemical lens."

CELEBRATE THE UNITED NATIONS DAY OF WOMEN AND GIRLS IN SCIENCE

Celebrate *Empowering Diversity in Science* by attending the Global Women's Breakfast on **February 16, 2022**. Join the ACS and the IUPAC as they host a virtual panel event with prominent female scientists at **10:00 AM ET** and networking sessions at **11:00AM and 4:00 PM ET**.

Register here

SEMINAR SPEAKERS WANTED

The New York Section wants to add to add you to our Speakers Bureau database of local speakers who are available for Section-wide seminars and symposia. If you have an area of research or interest that would provide an interesting talk appropriate for our Section. members, and would like to be included in our Speakers Bureau, please send an email to Ms. Bernadette Taylor with the following information that will be posted on the Section's website: your name, affiliation, a seminar title, and 5-6 words briefly summarizing your area of specialty. We look forward to hearing from you about topics that you wish to share with your fellow members!

VIRTUAL PROCTORS NEEDED

Help us support excellence in High School Chemistry education by serving as a virtual proctor for the US National Chemistry Olympiad (USNCO) local exam. USNCO Committee Chair Stephen Z. Goldberg is looking for members that are available on Saturday March 5th or Sunday March 6th, 2022 from 10:00 AM – 12:00 PM ET. If you would like to volunteer, please send him an email.

Email Stephen Z. Goldberg
USNCO Committee Chair

FROM OUR PARTNERS

SCIENCE ALLIANCE LEADERSHIP TRAINING FOR GRADUATE STUDENTS

Graduate students in their second year and beyond are encouraged to apply for the Science Alliance Leadership Training (SALT) being offered through The New York Academy of Sciences. This 5-day program, March 9-15, provides valuable leadership, communication, and conflict management skills that you will use to advocate for your career. Applications due **February 9, 2022**

Apply here

TANDON FACULTY FIRST LOOK FELLOWSHIP PROGRAM

If you are a postdoctoral scholar or graduate students approaching graduation, you are eligible to apply for the Tandon Faculty First Look Fellowship Program. Fellows spend a day at NYU to present their research, engage with faculty and participate in a professional development workshop.

Apply by February 20, 2022

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