



2022 MARM Chemagination and Awards Ceremony

Saturday, June 4, 2022

The College of New Jersey

Co-sponsored by the 50th Middle Atlantic Regional Meeting of the ACS (MARM 2022), the MARM Executive Board, and the Princeton & Trenton Local Sections of the ACS



PROGRAM

2022 MARM Chemagination

Location: STEM 102

11:30 am - 12:30 pm

Poster Set-Up and Lunch

12:30 pm - 2:30 pm

Poster Session and Judging

2:30 pm – 3:30 pm

Participant Tour of TCNJ

PROGRAM

2022 Awards Ceremony

Location: SCP 101

3:30 pm – 5:00 pm

Presentation of

MARM Chemagination Awards

**Princeton and Trenton ACS Sections'
High School Chemistry Teacher Awards**

US National Chemistry Olympiad Finalists

Trenton ACS Scholarship Awards

Trenton ACS 50/60 - Year Members

Reception

Chemagination Contestants

Environment

E1: "The O-Fish-Ally Perfect Nanotechnological Fishing Line", Matthew LaSusa and Natalia Pszeniczny, *General Douglas MacArthur High School*

E2: "Artificialis Florae," Jairo Alcaraz, Samson Evans and Nathan Ramkissoo, *Muhlenberg High School*

Medicine/Health

MH1: "CrocDrop", Stephen Jones and Anushka Pandya, *Half Hollow Hills High School West*

MH2: "The NeuroPen", Yahfrelyn Alvarado, Dalhendji Henly and Jeslee Ruiz, *Muhlenberg High School*

Chemagination Contestants

Alternative Energy

AE2: "Mushroom Turbines", Sophia Castiglioni and Kayla Yoder, *Muhlenberg High School*

AE3: "Wave Toward Clean Energy and Water", Omar Alghondakly, Marta Rzeszutko and Paula Wasik, *Wallington High School*

New Materials

NM2: "Glasphene: The Future of Glass", Matthias Maftai, *Muhlenberg High School*

Princeton and Trenton ACS Sections'

**2022 Outstanding High School
Chemistry Teacher Award Winners**

Qiang 'Steven' Chen

Princeton International School of
Mathematics and Science

Alex Lloyd

The Hun School of Princeton

Meghan Plaxe

North Hunterdon High School

US National Chemistry Olympiad Finalists

Armaan Ahmed

Princeton High School, Teacher: Robert Corell

Alexander Huang*

WWPHS South, Teacher: Cindy Jaworsky

Yiwei (David) Liang

PRISMS, Teacher: Steven Chen

Zibin (William) Shen*

PRISMS, Teacher: Steven Chen

Ethan Song

WWPHS South, Teacher: Cindy Jaworsky

Tristan Wan

The Lawrenceville School, Teacher: Mary Calvert

David Yang

Princeton High School, Teacher: Robert Corell

Matthew Yang

The Peddie School, Teacher: Karolina Fraczkowska

Richard Zhu

The Peddie School, Teacher: Karolina Fraczkowska

*2021 finalist

#2020 & 2021 finalist

Trenton ACS

Scholarship Award Winners

2021 Roeser Renewal Scholarship: Lucinda Nugent,
Chemical Engineering Major, Georgia Tech

2021 Executive Board Renewal Scholarship: Jack
Nothnagel, Chemistry Major, Cornell University

2022 Roeser Scholarship: Fox Shreiber, Hunterdon
Central High School

2022 Executive Board Scholarship:

- Ariana Colner, The Pennington School
- Patricia Mayer, The Mercer County Technical School
STEM Academy

2022 Community College Outstanding Graduate Award:

- Mykhaylo Yanchyk, Mercer County Community College
- Tonya Wojciechowski, Raritan Valley Community
College

2022 Community College Continuing Chemistry
Scholarship:

- Kira Kook, Mercer County Community College
- Kyra Rauschkolb, Raritan Valley Community College

50/60 Year Members

Trenton ACS Section

50 Year Members:

Dr. Donald C. Boop

Dr. David Mack Floyd

Dr. James Gavlas

Dr. Kirk Douglas Schmitt

Dr. Stuart Soled

60 Year Members:

Mr. John M. Ewald

Mr. Robert Peter Kasper

Dr. William H. McCarroll (deceased)

Dr. John Walden

Chemagination Faculty Advisors

Christine Tjersland

Half Hollow Hills High School West

Lauren Austin

Half Hollow Hills High School West

David Friedman

General Douglas MacArthur High School

Matthew Zausin

General Douglas MacArthur High School

Barbara Safira

Wallington High School

Dr. Audrey Smeltzer-Schwab

Muhlenberg High School

Chris Evans

Muhlenberg High School

Congratulations to the winners of the MARM Chemagination Competition, of our Outstanding High School Chemistry Teacher Award and of the Trenton ACS scholarships.

We thank the dedicated science teachers who supervised and encouraged the efforts of the students competing in Chemagination today, and those being honored for their various accomplishments.

Thank you also to the event organizers and all the other volunteers who have donated their time to make this possible.

*The ACS Middle Atlantic Regional Meeting Board
and Organizing Committee of the Middle Atlantic
Regional Meeting 2022*