

Mindy Levine

Ariel University, Department of Chemical Sciences, 65 Ramat HaGolan Street, Ariel, Israel;
Phone: 972-53-569-8117; Email: mindy.levine@gmail.com

Dual citizen: United States and Israel

H-Index: 23; 80 publications published, accepted and submitted; >200 presentations completed or scheduled

PROFESSIONAL EXPERIENCE

Ariel University

Ariel, Israel

Associate Professor

October 2019-present

University of Rhode Island

Kingston, RI

Assistant Professor of Chemistry

July 2010-June 2016

Associate Professor of Chemistry with Tenure

July 2016-August 2019

EDUCATION

- 2008-2010** NIH Post-Doctoral Research Fellow, Massachusetts Institute of Technology, Cambridge, MA
Post-Doctoral Advisor: Professor Timothy Swager
- 2008** Ph.D., Columbia University, Graduate School of Arts and Sciences, New York, NY
Ph.D. Advisor: Professor Ronald Breslow
- 2005** M.S., Columbia University, Graduate School of Arts and Sciences, New York, NY
- 2003** B.A., Columbia University, Columbia College, New York, NY

HONORS/AWARDS

- 2022** Chemosensors Outstanding Young Investigator Award
- 2022** ACS Award for Encouraging Women into Careers in the Chemical Sciences
- 2020** Outstanding Reviewer Award, *Chemosensors*
- 2019** University of Rhode Island Intellectual Property Excellence Award
- 2018** Jonathan Sessler Early Career Research Prize in Supramolecular Organic Chemistry
- 2018** Science Advocate, Society for Science and the Public
- 2018** Chair, Northeastern Section of the American Chemical Society
- 2017** Selected Young Observer, International Union of Pure and Applied Chemistry (IUPAC)
- 2017** Chair-Elect, Northeastern Section of the American Chemical Society
- 2016** Stanley C. Israel Award for Increasing Diversity in the Chemical Sciences
- 2016** Outstanding Graduate Student Mentor, University of Rhode Island College of Arts and Sciences
- 2016** Keynote Speaker, ACS Women Chemists Committee Regional Meeting
- 2016** ACS Women Chemists Committee Rising Star Award
- 2016** Northeast Section Younger Chemist Crossing Borders Awardee
- 2016** Rhode Island Business Competition Semi-Finalist
- 2014** University of Rhode Island Early Career Research Excellence Award
- 2014** Featured Academic Young Investigator, Organic Division of the ACS
- 2013** Thieme Chemistry Journal Award
- 2013** Arno Heyn Award for Volunteer Work to NESACS
- 2012** Younger Chemists Committee CIBA Travel Award
- 2010** Younger Chemists Committee Leadership Development Award
- 2010** National Postdoctoral Association Travel Award
- 2008** NIH Postdoctoral Research Fellowship.
- 2008** Pegram Award for Excellence in Research
- 2007** Women Chemists Committee Eli Lilly Travel Award
- 2005** Novartis Graduate Fellowship in Organic Chemistry

RESEARCH EXPERIENCE

2019- Associate Professor, Ariel University, Department of Chemical Sciences, Ariel, Israel
2016-2019 Tenured Associate Professor, University of Rhode Island, Department of Chemistry, Kingston, RI
2010-2016 Tenure-Track Assistant Professor, University of Rhode Island, Department of Chemistry, Kingston, RI
2008-2010 NIH Post-Doctoral Research Fellow, Massachusetts Institute of Technology, Cambridge, MA
2004-2008 Graduate Research Assistant, Columbia University Department of Chemistry, New York, NY
2003 Undergraduate Intern, Wyeth Pharmaceutical Company, Pearl River, NY
2002 Undergraduate Intern, Columbia University Department of Chemistry, New York, NY
1998 Research Intern, Schneider Children's Hospital, Queens, NY

TEACHING EXPERIENCE

2019- Associate Professor, Ariel University, Department of Chemical Sciences, Ariel, Israel
2016-2019 Tenured Associate Professor, University of Rhode Island, Kingston, RI
2010-present Tenure-Track Assistant Professor, University of Rhode Island, Kingston, RI
2007-2008 Adjunct Professor, Yeshiva University, New York, NY
2004-2008 Graduate and Undergraduate Mentor, Columbia University, New York, NY
2004-2005 Graduate Teaching Assistant, Columbia University, New York, NY
2003 Undergraduate Teaching Assistant, Columbia University, New York, NY

SELECTED LEADERSHIP EXPERIENCE

2022 Member of the Editorial Board, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*
2022 Founder and CEO, WonderLab Israel, a non-profit organization to promote girls and women in science
2022 Volunteer and Mentor, מְחַשְׁבֵה טוֹבָה, non-profit organization for children at risk
2022 Chair, Forum of Young Investigators, Ariel University
2022 Session Chair, Wolf Prize Symposium, Israel Chemical Society
2022 Secretary General, International Israel Chapter of the American Chemical Society
2022 Organizer and Discussion Leader, "Women in Chemistry Power Hour" Israel Chemical Society (ICS) Annual Meeting
2021 NSF GRFP panel reviewer
2021 Conference Moderator, 2nd Annual Virtual Conference on Materials Science and Engineering
2021 Selected interviewee, Ariel University presentation on women in science
2021 Session Chair, Medicinal Chemistry Symposium, Tel Aviv University, Tel Aviv
2020 Session Chair, American Chemical Society Virtual National Meeting, San Francisco, CA
2020 Special Issue Editor, *Israel Journal of Chemistry*
2019- Thesis committee member and thesis committee chair, multiple graduate students at Ariel University
2019 Associate Editor, *Supramolecular Chemistry*
2019 Mentor, Alpha Program for Encouraging Girls into Science, Ariel University
2019 Session Chair, Japan-Israel Chemical Conference, Technion University, Haifa
2019 Past-Chair, Northeastern Section of the American Chemical Society
2019 Invited Power Hour Discussion Leader, Gordon Research Conferences
2018- Chair, College of Arts and Sciences Diversity Committee
2018 Chair, Northeastern Section of the American Chemical Society
2018 Member of the Editorial Board, *Supramolecular Chemistry*
2017 Co-Organizer and Panelist "How to Succeed in Graduate School"
2017 Moderator and Co-Organizer, "STEM The Wage Gap" Panel Discussion
2017 NSF Panel Reviewer, Center for Chemical Innovations Panel
2017 Outreach Coordinator, Gross Science Night at the University of Rhode Island
2017 Organizer, Science Day at Striar Hebrew Elementary School (100 students)
2017 Member, University of Rhode Island Arts and Sciences Diversity Committee
2017 Co-Organizer, How to Negotiate for Your First Employment in STEM

2017 Member, University of Rhode Island Intellectual Property Committee
 2016 Outreach Coordinator, The Greene School, East Greenwich, RI (80 students)
 2016 Founder, Graduate Women in Chemistry Group, Kingston, RI
 2016 Organizer, "Careers in Chemistry," a two-part panel discussion series, Kingston, RI
 2016 Mentor, American Chemical Society Postdoc to Faculty (P2F) Workshop, Philadelphia, PA
 2016- Founder, Coordinator and Leader, Sugar Science Day for High School Girls
 2016 Outreach Coordinator, The MET School, Providence, RI (3 workshops for 30 students each)
 2016 Chair-Elect, Northeastern Section of the American Chemical Society (NESACS)
 2016 Symposium Organizer, Middle Atlantic Regional Meeting (MARM), New York, NY
 2016 Panel Reviewer, NSF-MSN Panel
 2016 Ad-hoc Reviewer, SBCA Panel, NIGMS, San Diego CA
 2016 Session Chair, Division of Organic Chemistry, 251st ACS National Meeting, San Diego, CA
 2016 Session Chair, Division of Organic Chemistry, 252nd ACS National Meeting, Philadelphia, PA
 2016 Member, Arts and Sciences College Committee on Diversity
 2015 Session Chair, Division of Organic Chemistry, 250th ACS National Meeting, Boston, MA
 2015 Organizer, "How to Prepare for Chemistry Careers" 3-part panel sessions
 2015 Outreach Coordinator, Striar Hebrew Academy, Sharon, MA
 2014 Outreach Coordinator, Johnston Library, Johnston, RI
 2014 South Kingstown High School Science Day Leader, South Kingstown, RI
 2014 Arno Heyn Award Committee, Northeastern Section of the American Chemical Society
 2014 Session Chair, Division of Organic Chemistry, 248th ACS National Meeting, San Francisco, CA
 2014 Panel Reviewer, NSF-MSN Panel
 2014 Nominating Committee Member, Northeastern Section of the American Chemical Society
 2013 Work-Life Expert Panelist, Symposium on Careers in Chemistry, Tufts University
 2013 Science Day Host, Cranston High School, Cranston, RI
 2013- Founder, Coordinator, and Leader, Chemistry Camp for Middle School Girls
 2013 Partner in the URI Collaboration for the Exploration of Math and Sciences (CEMS) Initiative
 2013 Science Workshop Leader, The Greene School, West Greenwich, RI
 2012 Panel Reviewer, NSF/NCI PESO Grant Panel Session
 2012 Committee member for Organic Faculty Search Committee, University of Rhode Island
 2012- GRRL Tech Workshop Leader, University of Rhode Island, Kingston, RI
 2012 Co-Organizer, "How to Succeed in Graduate School"
 2011- Founder, Mentor and Coordinator, ACS Project SEED, University of Rhode Island, Kingston, RI
 2011- Member of the Work-Life Committee, University of Rhode Island
 2010- Fellowship Coordinator, Graduate Women in Science Fellowships Committee, Boston, MA
 2008- Editor and Web Coordinator, Northeastern Section of the American Chemical Society (NESACS)
 2008- Feature Writer, *The Nucleus*, Publication of the American Chemical Society Northeastern Section

RESEARCH FUNDING AT ARIEL UNIVERSITY

2022 **100,000 shekels internal funding with flavio**
 2022 Awarded funding to start Chemistry Camp in Israel from the Dreyfus Foundation; amount: \$10,000
 2022 Awarded a research contract from Varcode to develop cold temperature sensors; amount: \$22,500.
 2021 Mentored a high student to successfully be named a top 300 scientist in the US-based Regeneron competition
 2020 Awarded funding to participate in Academix 2020, an annual conference for interdisciplinary discussion/collaboration among young faculty members in Israel; postponed due to COVID-19
 2020 Awarded internal funding through Ariel University to develop sensors for sulfur dioxide with Dr. Elyashiv Drori; Time period: 2/1/20-1/31/21; Amount: \$3200
 2019 Awarded funding through Ariel University Start-Up Funding; Time period: 10/1/19-9/30/21;

Amount: \$57,561

2019 Awarded financial support for a collaboration between Ariel University and Florida Atlantic University; Time period: 12/1/19-9/30/20; Amount: \$2878

RESEARCH FUNDING AT THE UNIVERSITY OF RHODE ISLAND

2019 Awarded funding through the University of Rhode Island Big Data Initiative; Time period: 3/1/19-6/30/19; Amount: \$1000

2019 Awarded funding through the University of Rhode Island International Experience Office; Time period: 3/1/19-6/30/19; Amount: \$2000

2019 Awarded travel funding through the Women Chemists Committee; Time period: 3/1/19-6/30/19; Amount: \$1000

2019 Awarded a \$1000 Undergraduate Research Grant from the University of Rhode Island to support Alexander Yonchak's research

2018 Awarded funding as a co-PI on the Rhode Island NSF EPSCOR Grant. Time period: 9/1/18-8/31/19. Title: RI Consortium for Coastal Ecology Assessment, Innovation, and Modeling.

2018 Awarded a Grant from the Rhode Island Foundation. Amount: \$76,000. Time period: 3/1/18-8/31/19. Title: Detection of Steroids and HGH Using Color-Changing Cyclodextrin Systems

2018 Awarded a \$3000 Grant as a Science and the Public Advocate

2018 Awarded a \$1500 Undergraduate Research Grant from the University of Rhode Island to support Adelaide Levinson's work on Rational Flame Retardant Development

2018 Awarded a \$3000 Project Completion Grant from the University of Rhode Island

2018 Awarded \$5000 from the Pfizer Community Grant Program to support Chemistry Camp 2019

2018 Awarded funding from the Rhode Island American Chemical Society in support of Chemistry Camp for Girls; Amount: \$500; Time period: April 2018

2018 Awarded funding as a co-PI on the Rhode Island NSF EPSCOR Grant. Amount: \$42,000; Time period: 1/1/18-8/31/18. Title: RI Consortium for Coastal Ecology Assessment, Innovation, and Modeling.

2018 Awarded a Grant from the Champlin Foundation. Amount: \$163,000; Time period: 1/1/18-12/31/18. Title: Chemistry from the Back Row: Engaging Students Using a Suite of State-of-the-Art Chemical Instruments for the Real-Time Visualization of Chemical Reactions and Phenomena.

2018 Awarded an Undergraduate Research Grant from the University of Rhode Island. Amount: \$1500; Time period: 1/1/18-6/30/18. Title: Detection of Toxic Chemicals in Tampons and Other Feminine Hygiene Products.

2017 Awarded a Proposal Development Research Grant from the University of Rhode Island Council for Research. Amount: \$14,250; Time period: 7/1/17-6/30/18. Title: Development of Boron-Based Flame Retardants for Cotton Textiles.

2017 Awarded a Contract from Lanxess Corporation. Amount: \$80,702; Time period: 1/1/17-6/30/18. Title: Cyclodextrin-Based Complexation of Small Molecules for Improved Toxicant Degradation and Water Purification Efforts.

2017 Awarded a Project Completion Grant. Amount: \$3000; Time period: 5/1/17-6/30/17

2016 Awarded a contract from International Dioxide, Inc. Amount: \$7018; Time period: 5/1/16-8/31/16.

2016 Awarded NSF-EPSCOR funding for Summer Research Program. Time period: 5/1/16-7/31/16.

2016 Expanded Scope of Work Supplement to, "CAREER: Cyclodextrin-Promoted Energy Transfer: From Fundamental Molecular Interactions to Complex System Performance; Funding agency:

- NSF-MSN; Amount: \$68,667.
- 2016** Awarded a grant from the Rhode Island Science and Technology Advisory Council. Amount: \$99,520; Time period: 1/26/16-12/31/16. Title: Development of a Cyclodextrin-Based Sensor
- 2016** Awarded a grant from the Pfizer Community Grant Program. Amount: \$5000; Time period: April 2016.
- 2015** Awarded a Multi-PI Grant from the National Science Foundation Major Research and Instrumentation (MRI) Program. Amount: \$202,993; Time period: 9/1/15-8/31/18. Title: MRI: Acquisition of a 400 MHz NMR Spectrometer for Chemistry and Chemical Forensics
- 2015** Awarded a Grant from the National Science Foundation, Macromolecular, Supramolecular, and Nanochemistry Division. Amount: \$459,732 (direct); Time period: 3/1/15-2/28/20. Title: CAREER: Cyclodextrin-Promoted Energy Transfer: From Fundamental Molecular Interactions to Complex System Performance
- 2014** Awarded a Multi-PI Grant from the Champlin Foundations. Amount: \$155,000; Time period: 1/1/2015-12/31/2015. Title: An Advanced Hyperspectral Imaging System
- 2014** Awarded a Grant from the Rhode Island Foundation. Amount: \$15,000 (direct); Time period: 3/1/14-2/28/15. Title: Tuning Fluorescence Energy Transfer for Carcinogen Detection and Medical Diagnostics
- 2014** Awarded a Grant from the National Cancer Institute. Amount: \$239,250 (direct); Time period: 5/1/14-4/30/16. Title: (PQA4) Detecting Carcinogens in Complex Environments via Energy Transfer
- 2013** Awarded a Multi-PI Grant from the Champlin Foundations. Amount: \$135,000; Time period: 1/1/2014-12/31/2014; All funding shared for instrumentation purchases. Title: Advanced Instrumentation for Probing Structure and Physiological Function of Purified Target Molecules
- 2013** Awarded a Council for Research Proposal Development Grant. Amount: \$15,000; Time period: 7/1/2013-6/30/2014. Title: Detecting Small Molecule Carcinogens with Supramolecular Organic Chemistry
- 2012** Awarded a Multi-PI Grant from the Gulf of Mexico Research Initiative. Amount: \$213,816 to M. Levine; \$1,097,900 total. Time period: 10/1/2013-4/30/2015. Title: Multifunctional Colloidal Particles as Dispersants for Maximizing Biodegradation of Crude Oil.
- 2012** Awarded a Grant from the Dreyfus Foundation Special Grant Program in the Chemical Sciences. Amount: \$15,112; Time period: 1/1/2013-4/30/2014. Title: Chemistry Camp Over Spring Break.
- 2012** Awarded a Grant from the URI Foundation. Amount: \$2804; Time period: 1/1/2012-12/31/2012; Title: Using a MicroLab Spectrometer to Measure the Properties of a Fluorescent Organic Dye.
- 2010** Awarded a Grant from the Rhode Island INBRE Research Center. Amount: 353,152; Time period: 2/1/2011-4/30/2013. Title: Synthesis of New Polyamines for siRNA Complexation and Delivery.
- 2010** Awarded a Grant from the URI Foundation. Amount: \$3450; Time period: 2/1/2011-1/31/2012. Title: Thin Film Applications of Organic Polymers in an Undergraduate Teaching Laboratory.

PUBLICATIONS WITH ARIEL UNIVERSITY AFFILIATION

1. Thomas, A. S.; Pramanik, A.; Amer, S.; Marks, V.; Levine, M. Highly Sensitive Water Sensor through Fluorescence Quenching of a Coumarin Aldehyde Derivative.” *Dyes and Pigments*. **2022**, *submitted*.
2. Joseph, V.; Warhaftig, O.; Klein, S.; Levine, M. Paper-Based Manganese and β -Cyclodextrin Sensors for Colorimetric Sulfur Dioxide Detection. *Anal. Chim. Acta* **2022**, *1200*, 339629.
3. Karmakar, J.; Pramanik, A.; Joseph, V.; Marks, V.; Grynszpan, F.; Levine, M. “A Dipodal Bimane-diTriazole-diCu(II) Complex Serves as Ultrasensitive Water Sensor.” *Chem. Commun.* **2022**, *58*, 2690-2693.

4. Pramanik, A.; Karmakar, J.; Grynzspan, F.; Levine, M. "Highly Sensitive Water Detection through Reversible Fluorescence Changes in a syn-Bimane Based Boronic Acid Derivative." *Frontiers in Chem.* **2022**, invited submission for special issue on Women in Analytical Chemistry, *9*, 782481.
5. Pramanik, A.; Karimadon, B. R.; Kornweitz, H.; Levine, M. "Sonication-Induced, Solvent-Selective Gelation of a 1,8-Naphthalimide-Conjugated Amide: Structural Insights and Pollutant Removal Applications." *ACS Omega* **2021**, *6*, 32722-32729.
6. Joseph, V.; Levine, M. "Ronald C. D. Breslow (1931-2017): A Career in Review." *Bioorganic Chem.* **2021**, *115*, 104868.
7. Pramanik, A.; Karmakar, J.; Grynzspan, F.; Levine, M. "Facile Iodine Detection via Fluorescence Quenching of β -Cyclodextrin:Bimane-Ditriazole Inclusion Complexes." *Israel J. Chem.* **2021**, *61*, 253-260.
8. Levine, M.; Margulies, D. "Editorial: Special Issue on "Fluorescent Molecular Probes and Fluorescence-Based Chemical Sensing." *Israel J. Chem.* **2021**, *61*, 158.
9. Levine, M. "Fluorescence-Based Sensing of Pesticides Using Supramolecular Chemistry." *Frontiers in Chemistry* **2021**, *9*, 27; DOI: 10.3389/fchem.2021.616815.
10. Haynes, A. Z.; Levine, M. "Detection of Human Growth Hormone (hGH) via Cyclodextrin-Promoted Fluorescence Modulation." *Anal. Lett.* **2021**, *54*, 1871-1880.
11. Pramanik, A.; Amer, S.; Grynzspan, F.; Levine, M. "Highly Sensitive Detection of Cobalt Through Fluorescence Changes in β -Cyclodextrin-Bimane Complexes." *Chem. Commun.* **2020**, *56*, 12126-12129; featured on the inside front cover; *Chem. Commun.* **2020**, *56*, 12078.
12. Racicot, J. M.; Mako, T. L.; Healey, A.; Hos, B.; Levine, M. Efficient Detection and Removal of Polycyclic Aromatic Hydrocarbons Using Cyclodextrin-Modified Cellulose. *ChemPlusChem* **2020**, *85*, 1730-1736.
13. Chaudhuri, S.; Burke, A.; Boving, T.; Levine, M. "Use of alpha-Cyclodextrin Complexes to Bind Chlorinated Disinfection Byproducts and Ameliorate their Toxicity." *Frontiers in Chemistry* **2020**, *8*:641; DOI: 10.3389/fchem.2020.00641.
14. Smith, B. R.; Levine, M. "Enhanced Characterization of Pyrene Binding in Mixed Cyclodextrin Systems via Fluorescence Spectroscopy." *J. Fluorescence* **2020**, *30*, 1015-1023.
15. Dubnicka, M.; Cromwell, B.; Levine, M. Investigation of the Adulteration of Essential Oils by GC-MS. *Curr. Anal. Chem.* **2020**, *16* (8); DOI: 10.2174/1573411015666191127093710.
16. Haynes, A. Z.; Levine, M. "Detection of Anabolic Steroids via Cyclodextrin-Promoted Fluorescence Modulation." *RSC Adv.* **2020**, *10*, 25108-25115.
17. Racicot, J. M.; Mako, T. L.; Olivelli, A.; Levine, M. A Paper-Based Device for Ultrasensitive, Colorimetric Phosphate Detection in Seawater. *Sensors* **2020**, invited submission to "Women in Sensors" special issue, **2020**, *20*, 2766.
18. Mako, T. L.; Levenson, A. M.; Levine, M. "Ultrasensitive Detection of Nitrite through Implementation of N-(1-Naphthyl)ethylenediamine-Grafted Cellulose into a Paper-Based Device." *ACS Sensors* **2020**, *5*, 1207-1215.
19. Cromwell, B.; Cid Mota, L.; Levine, M. "Detection of Potentially Toxic Additives in Electronic Cigarettes and Cigarette Flavours." *Anal. Lett.* **2020**, *53*, 1470-1415.
20. Cromwell, B.; Levenson, A.; Levine, M. Thermogravimetric Analysis of Aromatic Boronic Acids for Flame Retardant Applications. *Thermochim. Acta* **2020**, *683*, 178476.
21. Haynes, A.; Halpert, P.; Levine, M. Colorimetric Detection of Aliphatic Alcohols in β -Cyclodextrin Solutions. *ACS Omega* **2019**, *4*, 18361-18369.
22. Cromwell, B.; Dubnicka, M.; Dubrawski, S.; Levine, M. Identification of 15 Phthalate Esters in Commercial Cheese Powder via Cyclodextrin-Promoted Fluorescence Detection. *ACS Omega* **2019**, *4*, 17009-17015.

PUBLICATIONS AT THE UNIVERSITY OF RHODE ISLAND

23. Fernando, A.; Mako, T.; Levenson, A.; Cesana, P.; Mendieta, A. M.; Racicot, J.; DeBoef, B.; Levine, M. Polycationic Pillar[5]arene for the Binding and Removal of Organic Toxicants from Aqueous Media. *Supramol. Chem.* **2019**, *31*, 545-557.
24. Mako, T. L.; Levine, M. Fabrication and Implementation of a Paper-Based Devices for the Detection of Acetaminophen and Phenacetin in an Advanced Undergraduate Laboratory. *J. Chem. Educ.* **2019**, *96*, 1719-1726.
25. Jones, D.; Point, B.; Levine, M. Effects of Structural Variation in Conjugated Side Chains on the Photophysics of Conjugated Polymers in Nanoparticles. *J. Phys. Chem.* **2019**, *123*, 4604-4610.
26. Chaudhuri, S.; DiScenza, D. J.; Verderame, M.; Levine, M. Colorimetric Detection of Polycyclic Aromatic Hydrocarbons Using Supramolecular Cyclodextrin Dimer-Squaraine Constructs. *Supramol. Chem.* **2019**, *31*, 211-219.
27. DiScenza, D. J.; Intravia, L. E.; Healy, A.; Levine, M. Fluorescence-Based Detection of Benzene, Toluene, Ethylbenzene, Xylene, and Cumene (BTEXC) Compounds in Fuel-Contaminated Snow Environments. *Chemosensors* **2019**, *7(1)*, 5; DOI: 10.3390/chemosensors7010005.
28. DiScenza, D. J.; Smith, M. A.; Intravaia, L. E.; Levine, M. Efficient Detection of Phthalate Esters in Human Saliva via Fluorescence Spectroscopy. *Anal. Lett.* **2019**, *52*, 479-495.
29. Mako, T. L.; Racicot, J. M.; Levine, M. Supramolecular Luminescent Sensors. *Chem. Rev.* **2019**, *119*, 322-477.
30. Jones, D. R.; Vallee, R.; Levine, M. Novel Fluorescent Fluorene-Containing Conjugated Polymers: Synthesis, Photophysical Properties, and Application for the Detection of Common Bisphenols. *Synlett* **2018**, *29*, 2515-2522.
31. Jones, D. R.; DiScenza, D. J.; Mako, T. L.; Levine, M. Environmental Application of Cyclodextrin Metal-Organic Frameworks in an Undergraduate Teaching Laboratory. *J. Chem. Educ.* **2018**, *95*, 1636-1641.
32. Maruthapandi, M.; Kumar, V. B.; Levine, M.; Gedanken, A. Fabrication of Poly (4, 4'-Oxybisbenzamine) and its Conjugated Copolymers Initiated by Easily Accessible Carbon Dots. *Eur. Polym. J.* **2018**, *109*, 153-161.
33. Levine, M.; DiScenza, D. J. Sweet, Sweet Science: Addressing the Gender Gap in STEM Disciplines Through a One-Day High-School Program in Sugar Chemistry. *J. Chem. Educ.* **2018**, *95*, 1316-1322.
34. DiScenza, D. J.; Lynch, J.; Feder, E.; Levine, M. Detection of Bisphenol A and Derivatives in Human Urine via Cyclodextrin-Promoted Fluorescence Modulation. *Anal. Methods* **2018**, *10*, 3783-3790.
35. Levine, M. *Chapter in Mom the Chemistry Professor: Second Edition*. Ed. Wozniak, K.; Charlebois, A.; Cole, R.; Marzabadi, C.; Webster, G. Springer Publishing **2018**.
36. DiScenza, D. J.; Lynch, J.; Verderame, M.; Smith, M. A.; Levine, M. Cyclodextrin-Promoted Fluorescence Detection of Aromatic Toxicants and Toxicant Metabolites in Commercial Milk Products. *Food Anal. Methods* **2018**, *11*, 2419-2430.
37. Chaudhuri, S.; Verderame, M.; Mako, T. L.; Bandara, Y. M. N. D. Y.; Fernando, A. I.; Levine, M. Synthetic β -Cyclodextrin Dimers for Squaraine Binding: Effect of Host Architecture on Photophysical Properties, Aggregate Formation, and Chemical Reactivity. *Eur. J. Org. Chem.* **2018**, *2018*, 1964-1974.
38. DiScenza, D. J.; Lynch, J.; Verderame, M.; Serio, N.; Prignano, L.; Gareau, L.; Levine, M. Efficient Fluorescence Detection of Aromatic Toxicants and Toxicant Metabolites in Human Breast Milk. *Supramol. Chem.* **2018**, *30*, 267-277.
39. DiScenza, D. J.; Culton, E.; Verderame, M.; Lynch, J.; Levine, M. Towards Rational Chemosensor Design through Improved Understanding of Experimental Parameter Variation and Tolerance in Cyclodextrin-Promoted Fluorescence Detection. *Chemosensors* **2017**, *5* (4), 34.

40. Chaudhuri, S.; DiScenza, D. J.; Smith, B.; Yocum, R.; Levine, M. Array-Based Detection of Isomeric and Analogous Analytes Employing Synthetically Modified Fluorophore Attached β -Cyclodextrin Derivatives. *New J. Chem.* **2017**, *41*, 14431-14437.
 41. DiScenza, D. J.; Lynch, J.; Miller, J.; Verderame, M.; Levine, M. Detection of Organochlorine Pesticides in Contaminated Marine Environments via Cyclodextrin-Promoted Fluorescence Modulation. *ACS Omega* **2017**, *2*, 8591-8599.
 42. Tamgho, I.-S.; Chaudhuri, S.; Verderame, M.; DiScenza, D. J.; Levine, M. A Highly Versatile Fluorenone-Based Macrocyclic Host for the Sensitive Detection of Polycyclic Aromatic Hydrocarbons and Fluoride Anions. *RSC Adv.* **2017**, *7*, 28489-28493.
 43. DiScenza, D. J.; Serio, N.; Gareau, L.; Roque, J.; Verderame, M.; Levine, M. Cyclodextrin-Promoted Detection of Aromatic Toxicants and Toxicant Metabolites in Urine. *Anal. Chem. Lett.* **2016**, *6*, 345-353.
 44. DiScenza, D. J.; Verderame, M.; Levine, M. Detection of Benzene and Alkylated Benzene Derivatives in Fuel Contaminated Environments. *CLEAN - Soil, Air, Water* **2016**, *44*, 1621-1627.
 45. Talbert, W.; Jones, D.; Morimoto, J.; Levine, M. Turn-On Detection of Pesticides via Reversible Fluorescence Enhancement of Conjugated Polymer Nanoparticles and Thin Films. *New J. Chem.* **2016**, *40*, 7273-7277.
 46. Chaudhuri, S.; Zaki, H.; Levine, M. An Environmentally Friendly Procedure for the Aqueous Oxidation of Benzyl Alcohols to Aldehydes with Dibromodimethylhydantoin (DBDMH) and Cyclodextrin. *Synth. Commun.* **2016**, *46*, 636-644.
 47. DiScenza, D. J.; Levine, M. Sensitive and Selective Detection of Alcohols via Fluorescence Modulation. *Supramol. Chem.* **2016**, *28*, 881-891.
 48. DiScenza, D. J.; Levine, M. Selective Detection of Non-Aromatic Pesticides via Cyclodextrin-Promoted Fluorescence Modulation. *New J. Chem.* **2016**, *40*, 789-793.
 49. Serio, N.; Levine, M. Solvent Effects in the Extraction and Detection of Polycyclic Aromatic Hydrocarbons from Complex Oils in Complex Environments. *J. Inclusion Phenom. Macrocyclic Chem.* **2016**, *84*, 61-70.
 50. Serio, N.; Roque, J.; Badwal, A.; Levine, M. Rapid and Efficient Pesticide Detection via Cyclodextrin-Promoted Energy Transfer. *Analyst* **2015**, *140*, 7503-7507.
 51. Levine, M.; Serio, N.; Radaram, B.; Chaudhuri, S.; Talbert, W. Addressing the STEM Gender Gap by Designing and Implementing an Educational Outreach Chemistry Camp for Middle School Girls. *J. Chem. Educ.* **2015**, *92*, 1639-1644.
 52. Radaram, B.; Levine, M. Rationally Designed Supramolecular Organic Hosts for Benzo[a]pyrene Binding and Detection. *Eur. J. Org. Chem.* **2015**, *2015*, 6194-6204.
 53. Serio, N.; Moyano, D. F.; Rotello, V. M.; Levine, M. Array-Based Detection of Persistent Organic Pollutants via Cyclodextrin Promoted Energy Transfer. *Chem. Commun.* **2015**, *51*, 11615-11618.
 54. Serio, N.; Levine, M. Efficient Extraction and Detection of Aromatic Toxicants from Crude Oil and Tar Balls using Multiple Cyclodextrin Derivatives. *Marine Pollution Bull.* **2015**, *95*, 242-247.
 55. Marks, P.; Radaram, B.; Levine, M.; Levitsky, I. A. Highly Efficient Detection of Hydrogen Peroxide in Solution and in the Vapor Phase via Fluorescence Quenching. *Chem. Commun.* **2015**, *51*, 7061-7064.
 56. Chaudhuri, S.; Phelan, T.; Levine, M. Cyclodextrin-Promoted Diels Alder Reactions of a Polycyclic Aromatic Hydrocarbon under Mild Reaction Conditions. *Tetrahedron Lett.* **2015**, *56*, 1619-1623.
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INVENTION DISCLOSURES/ PATENTS PENDING

1. Mako, T. L.; Levine, M. "Naphthylethylenediamine-Modified Cellulose Materials." Provisional patent filed, May **2019**; serial number: 62/845,040; full patent filed, May **2020**; serial number: 16/870,829.
2. "Hydrophobic Coated Cyclodextrin Metal Organic Frameworks." Provisional patent filed, June **2019**.
3. Chaudhuri, S.; Mako, T. L.; Levine, M. "Use of Non-Covalent Squaraine-Cyclodextrin Complexes for Colorimetric Toxicant Detection." Invention disclosed **2019**.

PREVIOUS PUBLICATIONS

1. Levine, M.; Swager, T. M. Conjugated Polymer Sensors: Design, Principles, and Biological Applications. *Ed. Samori, P.; Cacialli, F. Functional Supramolecular Architectures* **2011**, *1*, 81-133.
2. Levine, M.; Song, I.; Andrew, T. L.; Kooi, S. E.; Swager, T. M. Photoluminescent Energy Transfer from Poly(phenyleneethynylene)s to Near-Infrared Emitting Fluorophores. *J. Polym. Sci. A Polym. Chem.* **2010**, *48*, 3382-3391.
3. Breslow, R.; Levine, M.; Cheng, Z.-L. Imitating Prebiotic Homochirality on Earth. *Origins Life Evol. Biospheres* **2010**, *40*, 11-26.

4. Levine, M.; Kenesky, C. S.; Zheng, S.; Quinn, J.; Breslow, R. Synthesis and Catalytic Properties of Diverse Chiral Polyamines. *Tetrahedron Lett.* **2008**, *49*, 5746-5750.
5. Levine, M.; Kenesky, C. S.; Mazori, D.; Breslow, R. Enantioselective Synthesis and Enantiomeric Amplification of Amino Acids under Prebiotic Conditions. *Org. Lett.* **2008**, *10*, 2433-2436.
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PRESENTATIONS AT ARIEL UNIVERSITY

1. "Cyclodextrin complexation in the design of high-performance chemical sensors." *Isranalytica* **2023**, abstract submitted.
2. John, J.; Levine, M. "Microwave assisted infusion of dye in to macromolecules as cold temperature sensor." *Poster presented*, Israel Chemical Society meeting, September **2022**.
3. Thomas, A. S.; Levine, M. "Highly sensitive water sensors based on coumarin-cyclodextrin derivatives." *Poster presented*, Israel Chemical Society meeting, September **2022**.
4. Levine, M. "Colorimetric Chemical Sensors: Cyclodextrin Meets Bimane," *Invited oral presentation*, Israel Chemical Society meeting, September **2022**.
5. "Colorimetric chemical sensors: From fundamental principles to practical applications." *Invited seminar*, Southern Methodist University, August **2022**.
6. "Cyclodextrin complexation: Old tools with new tricks in high performance sensor applications." *Invited seminar*, University of Texas Dallas, August **2022**.
7. "Supramolecular chemistry leading to fluorescent and colorimetric sensors." *Invited seminar*, Texas Tech University, August **2022**.
8. "Supramolecular fluorescent sensors via cyclodextrin complexation of bimane and coumarin fluorophores." *Oral presentation*, Israel-Italy workshop in advance materials, June **2022**.
9. "Cyclodextrin complexation in paper-based systems: supramolecular chemistry enabling high-performance chemical sensor development." *Virtual oral presentation*, Chemistry International Webinar, Unite Scientific Explores, July **2022**.
10. "Supramolecular Cyclodextrin Systems for Detection Applications: 4 Short Stories." *Virtual seminar*, University of Texas Arlington, April **2022**.
11. "Cyclodextrin-based sensors on solid support: supramolecular chemistry leading to high performance detection systems." *Oral presentation*, ACS National meeting, March **2022**.
12. "Promoting women in chemistry through targeted programs: from elementary school through tenure-track faculty members." *Award presentation*, ACS National meeting, March **2022**.
13. "The Ongoing Gap in Gender Equality for Women in STEM Fields." Seminar presented in honor of the International Day of Women, March **2022**.
14. "Supramolecular cyclodextrin systems for targeted detection applications." *Virtual seminar*, University of Vermont, October **2021**.
15. "Cellulose supported material for the development of eco-friendly sensors for the detection of SO₂." *Poster presented*, ICRS-PAT Joint Workshop, October **2021**.
16. "Cyclodextrin Complexation: Flexible Molecules with Surprising Chemical Insights." *Oral presentation*, 1st Women in Supramolecular Chemistry Workshop, Italy, September **2021** (postponed from September **2020** due to COVID-19).
17. "Hand-held spectrometers and homemade light boxes: Tools for chemical sensing with high school student researchers." *Virtual poster presentation*, ACS National Meeting, August **2021**.
18. "Cyclodextrin-bimane supramolecular complexes: New applications of old structures." *Virtual oral presentation*, ACS National Meeting, August **2021**.

19. "Detection of toxicants in contaminated aqueous environments using color-changing cyclodextrin-functionalized papers." *Oral presentation*, ACS National Meeting, August **2021**.
20. "Investigating the photophysical properties of wine aggregates for the development of region-specific wine sensors." *Oral presentation*, ACS National Meeting, August **2021**.
21. "Investigation of cyclodextrin structure and filter paper parameters on the development of colorimetric sulfur dioxide sensors." *Oral presentation*, ACS National Meeting, August **2021**.
22. "Use of KMnO₄ incorporated cyclodextrin functionalized Whatman paper for the sensitive and selective detection of SO₂." *Oral presentation*, ACS National Meeting, August **2021**.
23. "Sonication-Induced, Solvent-Selective Gelation of a 1,8-Naphthalimide-Conjugated Amide: Structural Insights and Pollutant Removal Applications." *Oral presentation*, ACS National Meeting, August **2021**.
24. "Identifying Opportunities to Improve Gender Diversity Among Chemistry Faculty." *Virtual oral presentation*, 2021 Great Lakes Regional Meeting, June **2021**.
25. "Sonication-Induced, Solvent-Selective Gelation of a 1,8-Naphthalimide-Conjugated Amide: Structural Insights and Pollutant Removal Applications." *Poster presentation*, 8th Indian Peptide Symposium, March **2021**.
26. "Cyclodextrin-Bimane Architectures for Fluorescence Detection." *Invited virtual oral presentation*, Materials Info 2021, March **2021**.
27. "Cyclodextrin-based colorimetric and fluorescence arrays." *Abstract accepted, invited oral presentation*, Pacificchem, December **2020**; rescheduled due to COVID-19 until December **2021**.
28. Invited keynote presentation NICE-2020 an International Conference on Bioinspired & Biobased, Materials and Chemistry, scheduled October **2020**; postponed due to COVID-19.
29. "Improving Student Engagement with Chemistry Demonstrations in Large Lecture Courses." *Virtual presentation*, American Chemical Society National Meeting, San Francisco, August **2020**; DOI: 10.1021/scimeetings.0c06583.
30. "Higher Order Cyclodextrin Architectures for Improved Binding and Detection Capabilities." *Virtual presentation*, American Chemical Society National Meeting, San Francisco, August **2020**; DOI: 10.1021/scimeetings.0c06586.
31. "Diversity in Chemistry: My Path from a Female Assistant Professor in the United States to a Divorced Associate Professor Working in the Occupied Territories." *Invited presentation scheduled*, Northwestern University, Chicago; June **2020**; postponed due to COVID-19.
32. "Harnessing the Power of Supramolecular Chemistry for Pollutant Removal, Ion Detection, and Regioselective Catalysis." *Invited presentation scheduled*, Northwestern University, Chicago; June **2020**; postponed due to COVID-19.
33. "Cyclodextrin-Based Sensors for Chemical Engineering Students." Virtual seminar presented, University of New Hampshire Chemical Engineering Class, April **2020**.
34. "Detection of Human Growth Hormone (hGH) and Anabolic Steroids Using Cyclodextrin Promoted Fluorescence Modulation." Haynes, A.Z.; Levine, M. *Poster presentation abstract accepted*, 249th ACS National Meeting, Philadelphia, March **2020**; postponed due to COVID-19.
35. "Rationally Designed Supramolecular Constructs for High Performance Applications." *Invited talk*, 85th Annual Conference of the Israel Chemical Society, Jerusalem; February **2020**.
36. "Design and Synthesis of Higher Order Cyclodextrin Architectures: Targeted System Performance." Pramanik, A.; Levine, M. *Poster presentation*, 85th Annual Conference of the Israel Chemical Society, Jerusalem; February **2020**.
37. "Green chemistry techniques in organic synthesis and catalysis." *Oral presentation*, Green chemistry conference, Rome; February **2020**.
38. "Developing New Chemical Sensors to Solve Old Problems." *Invited talk*, Internal conference at Ariel University, February **2020**.
39. "How to Apply for Grants." *Workshop presented*, Al-Qasemi Academic College of Education, February **2020**.
40. "Paper-Based Devices for Ultrasensitive Nitrate, Nitrite, and Phosphate Detection." *Keynote presentation*, 23rd Annual Isranalytica Conference, Tel Aviv; January **2020**.

41. "Enhancing Gender Diversity in STEM Through Informal Education Efforts." *Oral presentation*, International Conference on Advances in STEM Education, **2019**.

PRESENTATIONS AT THE UNIVERSITY OF RHODE ISLAND

42. Haynes, A.; Racicot, J.; Jones, D.; Levine, M.; Yonchak, A.; Point, B. "Detection of Steroids and Human Growth Hormone Using Color-Changing Cyclodextrin Systems." *Poster presentation*, 258th ACS National Meeting, San Diego; August **2019**; ANYL-0111.
43. Haynes, A.; Levine, M.; Halpert, P. Colorimetric Detection of Aliphatic Alcohols in β -Cyclodextrin Solutions. *Poster presentation*, 258th ACS National Meeting, San Diego; August **2019**; ANYL-0114.
44. "Binding in Cyclodextrin Cavities: Simple Probes for Complex Intermolecular Interactions." Levine, M. *Oral presentation*, Telluride Workshop in Aqueous Supramolecular Chemistry, Telluride, August **2019**.
45. "Polymer Nanoparticles for Bisphenol Detection." Levine, M. *Poster presentation*, Gordon Research Conference in Artificial Molecular Switches and Motors, New Hampshire, June **2019**.
46. "Fundamental Intermolecular Interactions in Highly Flexible Cyclodextrin-Based Complexes." Levine, M. *Invited presentation*, Gordon Research Conference in Physical Organic Chemistry, New Hampshire, June **2019**.
47. "Balancing Professional and Personal Responsibilities for Academic Satisfaction and Success." Levine, M. *Keynote presentation*, Gordon Research Seminar in Self-Assembly and Supramolecular Chemistry, Switzerland, May **2019**.
48. "Cyclodextrin-Based Complexation for Colorimetric Sensing Applications." Levine, M. *Poster presentation*, Gordon Research Seminar in Self-Assembly and Supramolecular Chemistry, Switzerland, May **2019**.
49. "Supramolecular Chemistry and Paper-Based Devices for Practical Detection Applications." Levine, M. *Invited seminar*, Clark University, Worcester, April **2019**.
50. "Using Cyclodextrins for Toxicant Detection in Commercial Products: From Menstrual Cups to Macaroni and Cheese." Levine, M.; DiScenza, D. J.; Lynch, J.; Intravaia, L. *Oral presentation*, 257th ACS National Meeting, Orlando, April **2019**; ANYL-0381.
51. "Synthesis and Photophysical Properties of Novel Fluorescent Fluorene-Containing Conjugated Polymers and their Application for the Detection of Common Bisphenols." Jones, D. R.; Vallee, R.; Levine, M. *Oral presentation*, 257th ACS National Meeting, Orlando, April **2019**; POLY-0083.
52. "Cyclodextrin-Containing Metal-Organic Frameworks (CD-MOFs) for Highly Efficient Toxicant Removal Applications." Yonchak, A.; Jones, D. R.; Levine, M. *Poster presentation*, 257th ACS National Meeting, Orlando, April **2019**; INOR-0615.
53. "Colorimetric Paper-Based Detection of Phosphate in Marine Environments." Racicot, J. M.; Mako, T. L.; Levine, M. *Poster presentation*, 257th ACS National Meeting, Orlando, April **2019**; ANYL-0146.
54. "Making Use of the Women Chemists Committee to Navigate Professorship, Parenting, and Personal Satisfaction as a Female Chemistry Professor." Levine, M. *Invited presentation*, 257th ACS National Meeting, Orlando, April **2019**; WCC-0017.
55. "Highly Sensitive, Colorimetric, Paper-Based Devices for the Dual Detection of Nitrate and Nitrite." Mako, T.; Racicot, J.; Levenson, A.; Levine, M. *Oral presentation*, 257th ACS National Meeting, Orlando, April **2019**; ANYL-0277.
56. "Highly Sensitive, Colorimetric, Paper-Based Devices for the Dual Detection of Nitrate and Nitrite." Mako, T. L.; Racicot, J. M.; Levine, M. *Poster presentation*, 84th Meeting of the Israel Chemical Society, Tel Aviv, February **2019**.
57. "Approaching Challenges in Detection Science with Supramolecular Chemistry." Levine, M. *Oral presentation*, 84th Meeting of the Israel Chemical Society, Tel Aviv, February **2019**.
58. "Synthesis and Photophysical Properties of Novel Fluorescent Fluorene-Containing Conjugated Polymers and their Application for the Detection of Common Bisphenols." Jones, D. R.; Vallee, R.; Levine, M. *Poster presentation*, 84th Meeting of the Israel Chemical Society, Tel Aviv, February **2019**.
59. "Supramolecular Analytical Chemistry with Cyclodextrin Complexes." Levine, M. *Oral presentation*, Isranalytica Conference, Tel Aviv, January **2019**.

60. "Cyclodextrin-Based Complexes for Applied Sensor Development." *Invited presentation*, Simmons College, Boston, October **2018**.
61. "Supramolecular Organic Chemistry for Practical Detection Applications." *Invited presentation*, College of the Holy Cross, Worcester, September **2018**.
62. "On Breastfeeding, Supramolecular Chemistry, and Long Commutes: Life as an Associate Professor, Wife, and Busy Mother of Three." Levine, M. *Oral presentation*, 256th ACS National Meeting, Boston, August **2018**; WCC-26.
63. "A Highly Interdisciplinary Cyclodextrin-MOF Experiment for the Senior Undergraduate Chemistry Laboratory." Levine, M.; Jones, D. R.; Mako, T. L. *Oral presentation*, 256th ACS National Meeting, Boston, August **2018**; CHED-437.
64. "Higher Order Cyclodextrin Architectures: Synthesis, Binding, and Colorimetric Detection Applications." Levine, M. *Oral presentation*, 256th ACS National Meeting, Boston, August **2018**; ORGN-512.
65. Fernando, P. U. A. I.; Mako, T.; DeBoef, B. L.; Levine, M.; Levenson, A.; Cesana, P.; DaRosa, K.; Mendieta, A. Functionalized Pillar Arenes for Removal of Small Molecule Toxicants and the Development of a Novel Array Based Detection System. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; ENVR-596.
- *Awarded poster competition**
66. "Design, Implementation, and Evaluation of an Interdisciplinary Undergraduate Laboratory Experiment in Paper-Based Devices for Synthetic Analyte Detection." Mako, T. L.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; CHED-77.
67. "Highly Sensitive, Colorimetric, Paper-Based Devices for the Detection of Nitrate in Marine Ocean Environments." Mako, T. L.; Racicot, J. M.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; ANYL-130.
68. "Modification of Cellulose with Cyclodextrin Derivatives for Solid State Detection of Toxicants." Racicot, J. M.; Mako, T. L.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; ANYL-133.
69. "The Synthesis and Characterization of Novel Fluorene-Containing Conjugated Polymers." Jones, D. R.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**.
70. "Synthesis and Evaluation of Novel Triazine Based Aromatic Boronic Acids Functionalized on Cellulose for Flame Retardancy." Cromwell, B.; Levinson, A.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; PMSE-434.
71. "Sweet, Sweet Science: Addressing the Gender Gap in STEM Disciplines through a One-Day High School Program in Sugar Chemistry." DiScenza, D. J.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; CHED-53.
72. "Detection of Organochlorine Pesticides in Contaminated Marine Environments via Cyclodextrin-Promoted Fluorescence Modulation." DiScenza, D. J.; Levine, M. *Poster presentation*, 256th ACS National Meeting, Boston, August **2018**; ENVR-595.
73. "Supramolecular Complexation in Cyclodextrin Cavities: From Fundamental Intermolecular Interactions to Complex Sensor Performance." *Award address*, 13th International Symposium on Macrocyclic and Supramolecular Chemistry, Quebec City, July **2018**.
74. "Synthetic Procedures for Higher Order Cyclodextrin Architectures." Levine, M. *Poster presentation*, Gordon Research Conference on Organic Reactions and Process, Easton, July **2018**.
75. "Supramolecular Complexation in Cyclodextrin Cavities: From Fundamental Intermolecular Interactions to Complex Sensor Performance." *Invited talk*, Ben Gurion University, Beer Sheva, June **2018**.
76. "Supramolecular Chemistry and Device Development Based on Cyclodextrin Chemistry." *Invited talk*, Technion University, Haifa, June **2018**.
77. "Supramolecular Organic Chemistry: From Synthetic Method Development to Practical Detection Devices." *Invited talk*, Ariel University, Israel, May **2018**.
78. "Cyclodextrin Complexation: From Solution-State Complexes to Paper-Based Devices." Levine, M. *Invited talk*, Weizmann Institute of Science, Rehovot, April **2018**.

79. "The Synthesis of Novel Fluorescent Polymers for the Fluorescence Detection of Bisphenol A and its Derivatives." Jones, D. R.; Levine, M. *Poster presentation*, 20th Northeast Student Chemistry Research Conference, Boston, April **2018**.
 80. "Microfluidic Devices for the Colorimetric Detection of Nutrients in Seawater." Mako, T. L.; Racicot, J. M.; Levine, M. *Poster presentation*, C-AIM Research Symposium, Kingston, April **2018**.
 81. "Advocacy, Action, and Aggravation as a Female Associate Chemistry Professor, Mother, and Wife." *Invited talk*, Tel Aviv University, Tel Aviv, March **2018**.
 82. "Practical Detection Applications Enabled Through Supramolecular Chemistry." Levine, M. *Invited oral presentation*, Dartmouth College, November **2017**.
 83. "Undergraduate Research at the University of Rhode Island: What You Need to Know to Get Started." Levine, M. *Invited oral presentation*, First Undergraduate Research Conference, University of Rhode Island, September **2017**.
 84. "Cyclodextrin-Promoted Detection of Aromatic Toxicants and Toxicant Metabolites in Human Breast Milk." DiScenza, D. J.; Levine, M. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; ENVR-427.
 85. "Cyclodextrin Supramolecular Complexes for the Detection of Delta-9-tetrahydrocannabinol in Saliva." Smith, M.; Levine, M. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; ANYL-68.
 86. "The Synthesis of Novel Fluorescent Polymers for the Fluorescent Detection of Bisphenol A and its Derivatives." Jones, D. R.; Levine, M. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; POLY-468.
 87. "Prospective Look at the Potential of Boron Containing Moieties as Flame Retardants for Cotton." Cromwell, B.; Levine, M. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; PMSE-358.
 88. "Functionalized Organic Macrocycles for Tunable Anion and PAH Detection." Levine, M. *Oral presentation*, 254th ACS National Meeting, Washington DC, August **2017**; ORGN-563.
 89. "Synthesis and Application of Higher Order Cyclodextrin Architectures for Improved Sensing and Identification of Medium-Sized Environmental Toxicants." Chaudhuri, S.; Levine, M. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; ORGN-509.
 90. "Detection of Organochlorine Pesticides in Contaminated Biological Systems via Cyclodextrin-Promoted Fluorescence Modulation. Lynch, J.; Levine, M.; DiScenza, D. *Poster presentation*, 254th ACS National Meeting, Washington DC, August **2017**; ORGN-388.
 91. "Synthetic Macrocycles and Polymer Architectures." Levine, M. *Poster presentation*, Gordon Research Conference on Molecular Devices and Switches, New Hampshire, July **2017**.
 92. "Cyclodextrin-Promoted Detection of Aromatic Toxicants and Toxicant Metabolites in Human Breast Milk." DiScenza, D. J.; Levine, M. *Poster presentation*, Gordon Research Seminar on Molecular Devices and Switches, New Hampshire, July **2017**.
 93. "Detection of Organochlorine Pesticides in Contaminated Biological Systems via Cyclodextrin-Promoted Fluorescence Modulation." Julie Lynch, Dana J. DiScenza, Molly Verderame, 10th Annual RI SURF Conference, Kingston, RI July **2017**.
 94. "Detection of BPA in Marine Environments through use of Conjugated Fluorescent Polymer System" Ryan Vallee, Dan Jones, Mindy Levine 10th Annual RI SURF Conference, Kingston, RI July **2017**.
 95. "How to Succeed In Graduate School." *Invited speaker*, Boston University Women in Chemistry Luncheon, July **2017**.
 96. "Supramolecular Organic Chemistry for Practical Detection Applications." *Invited seminar*, Bar Ilan University, June **2017**.
 97. "Macrocycle-Promoted Energy Transfer: From Fundamental Science to Applied, Practical Detection Applications." Levine, M. *Invited seminar*, Russell Sage College, April **2017**.
 98. "Detection of Organochlorine Pesticides in Contaminated Marine Systems via Cyclodextrin-Promoted Fluorescence Modulation." Lynch, J.; DiScenza, D. J.; Verderame, M.; Levine, M. *Poster presentation*, 19th Annual Northeast Student Chemistry Research Conference, April **2017**.
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99. "Prospective Look at the Potential of Boron Containing Moieties as Flame Retardants for Cotton and Cotton-Based Textiles." Cromwell, B.; Levine, M. *Poster presentation*, 19th Annual Northeast Student Chemistry Research Conference, April **2017**.
100. "Cyclodextrin-Based Systems for Toxicant Detection and Environmental Remediation." Levine, M. *Invited seminar*, University of Delaware, February **2017**.
101. "Non-Covalent Energy Transfer for Practical Detection Applications." Levine, M. *Invited seminar*, University of New Hampshire, November **2016**.
102. "Cyclodextrin-Based Energy Transfer: From Fundamental Science to Detection Applications." Levine, M. *Invited seminar*, Rhode Island College, November **2016**.
103. "Balancing the Equation of Parenting, Professorship, and Personal Satisfaction as a Female Chemistry Professor." *Keynote address*, 41st Northeast Regional Meeting (NERM), Binghamton, October **2016**; NERM-68.
104. "New Methods for the Detection of Environmental Toxicants in Anthropogenically- and Naturally-Contaminated Environments." Levine, M. *Oral presentation*, 6th EuChems Conference, Seville, Spain, September **2016**.
105. "Cyclodextrin-Based Systems for Toxicant Detection and Environmental Remediation." Levine, M. *Invited seminar*, Clark University, Worcester, September **2016**.
106. "Cyclodextrin-Based Systems for Toxicant Detection and Environmental Remediation." Levine, M. *Invited seminar*, University of Massachusetts Lowell, September **2016**.
107. "New Applications of Cyclodextrin-Promoted Non-Covalent Interactions in Complex Systems." Levine, M.; DiScenza, D.; Verderame, M. *Oral presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**; ORGN-666.
108. "Rapid Detection of Environmentally Persistent Pesticides via Fluorescence Enhancement of Conjugated Polymer Nanoparticles and Thin Films." Jones, D.; Levine, M. *Poster presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**; ORGN-523.
109. "Synthesis of Fluorophore Appended Cyclodextrins and Higher Order Architectures for Improved Sensing and Understanding of Molecular Interactions." Chaudhuri, S.; Levine, M. *Poster presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**; ORGN-520.
110. "Detection of Benzene and Alkylated Benzene Derivatives in Fuel Contaminated Environments via Cyclodextrin-Promoted Fluorescence Modulation." DiScenza, D.; Verderame, M.; Levine, M. *Poster presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**; ENVR-659.
111. "Understanding Fluorescence Energy Transfer for Toxicant Detection and Environmental Monitoring Efforts." Verderame, M.; DiScenza, D.; Serio, N.; Levine, M. *Poster presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**; ENVR-670.
112. "Cyclodextrin-Based Arrays for Improved Selectivity in Aromatic Analyte Detection." DiScenza, D. J.; Feder, E.; Levine, M. *Poster presentation*, 252nd ACS National Meeting, Philadelphia, August **2016**.
113. "Synthesis of BODIPY-Appended beta-Cyclodextrin Sensors for Improved Understanding of Molecular Interactions." Rix, G.; Chaudhuri, S.; Levine, M. *Poster presentation*, EPSCOR Conference, Kingston, July **2016**.
114. "Detection and In-Situ Fluorescence-Based Monitoring of Hydrocarbon Food Sources in Complex Marine Environments." Miller, J. L.; DiScenza, D. J.; Levine, M. *Poster presentation*, EPSCOR Conference, Kingston, July **2016**.
115. "The Fluorescent Detection of BPA and Learning Organic Synthetic Techniques." Ngan, J.; Jones, D.; Levine, M. *Poster presentation*, INBRE Conference, Kingston, July **2016**.
116. "Synthetically Modified Cyclodextrin for Sensing and Catalysis." Chaudhuri, S.; Levine, M. *Poster presentation*, Graduate Research Symposium in Organic Chemistry, Philadelphia, July **2016**.
117. "Synthetic Macrocycles and New Reaction Methodology." Levine, M.; Tamgho, I.-S.; Radaram, B.; Jones, D.; Chaudhuri, S. *Poster presentation*, Gordon Research Conference on Organic Reactions and Processes, Easton, July **2016**.
118. "Detection of Benzene and Alkylated Benzene Derivatives in Fuel Contaminated Environments via Cyclodextrin-Promoted Fluorescence Modulation." DiScenza, D. J.; Verderame, M.; Levine, M. *Poster*

- presentation*, 71st Northwest Regional Meeting of the American Chemical Society, Anchorage, June **2016**; NORM-24.
119. "Understanding Fluorescence Energy Transfer for Toxicant Detection and Environmental Monitoring Efforts." Verderame, M.; DiScenza, D. J.; Serio, N.; Levine, M. *Poster presentation*, 71st Northwest Regional Meeting of the American Chemical Society, Anchorage, June **2016**; NORM-2.
 120. "Cyclodextrin-Promoted Energy Transfer for Non-Covalent Interactions and Toxicant Detection." Levine, M.; DiScenza, D. J.; Serio, N. *Oral presentation*, 44th Middle Atlantic Regional Meeting of the American Chemical Society, Riverdale, June **2016**; MARM-62.
 121. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited presentation*, 36th Reaction Mechanisms Conference, St. Louis, June **2016**.
 122. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, University of Massachusetts Boston, April **2016**.
 123. "Array-Based Detection of Polycyclic Aromatic Hydrocarbons in Plasma for Environmental Detection Applications." Gareau, L.; DiScenza, D. J.; Levine, M. *Poster presentation*, RI-EPSCOR Research Symposium, Narragansett, April **2016**.
 124. "Rapid Detection of Environmentally Persistent Pesticides via Fluorescence Enhancement of Conjugated Polymer Nanoparticles and Thin Films." Jones, D.; Talbert, W.; Morimoto, J.; Levine, M. *Poster presentation*, RI-EPSCOR Research Symposium, Narragansett, April **2016**.
 125. "Detection of Benzene and Alkylated Benzene Derivatives in Fuel Contaminated Environments via Cyclodextrin-Promoted Fluorescence Modulation." DiScenza, D. J.; Verderame, M.; Levine, M. *Oral presentation*, Northeast Student Chemistry Research Conference, Boston, April **2016**.
 126. "Rapid Detection of Environmentally Persistent Pesticides via Fluorescence Enhancement of Conjugated Polymer Nanoparticles and Thin Films." Jones, D.; Morimoto, J.; Talbert, W.; Levine, M. *Poster presentation*, Northeast Student Chemistry Research Conference, Boston, April **2016**.
 127. "Detection of Bisphenol Derivatives by Organic Polymer-Derived Nanoparticles." Badwal, A.; Jones, D.; Levine, M. *Poster presentation*, Northeast Student Chemistry Research Conference, Boston, April **2016**.
 128. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, Brown University, March **2016**.
 129. "Array-Based Detection of Carcinogens and Carcinogen Metabolites in Breast Milk." Gareau, L.; Cook, N.; Prignano, L.; Levine, M. *Poster presentation*, 251st ACS National Meeting, San Diego, March **2016**; ENVR-513.
 130. "Synthetic Polymers and Macrocycles for Enhanced Supramolecular Complexation and Detection." Levine, M.; Radaram, B.; Tamgho, I.-S. *Oral presentation*, 251st ACS National Meeting, San Diego, March **2016**; ORGN-356.
 131. "On Supramolecular Organic Chemistry, Breastfeeding, and Commuting: Life as a Chemistry Professor, Mom of Three, and Half of a Dual Career Couple." Levine, M. *Award address*, 251st ACS National Meeting, San Diego, March **2016**; WCC-9.
 132. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, Seton Hall University, March **2016**.
 133. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, West Virginia University, March **2016**.
 134. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, Carnegie Mellon University, March **2016**.
 135. "Non-Covalent Interactions for Toxicant Detection and Oil Remediation." Levine, M. *Invited seminar*, University of California Riverside, February **2016**.
 136. "Cyclodextrin-Complexation: From Fundamental Science to Applied Toxicant Detection." Levine, M. *Invited seminar*, University of California Los Angeles, February **2016**.
 137. "Non-Covalent Interactions for Toxicant Detection and Oil Remediation." Levine, M. *Invited seminar*, University of California San Diego, February **2016**.
 138. "Cyclodextrin Complexation: From Fundamental Science to Applied Toxicant Detection." Levine,

- M. *Invited seminar*, University of Southern California, February **2016**.
139. “Detection of PAHs via Energy Transfer using Mixed Cyclodextrins Solutions.” Smith, B.; Serio, N.; Levine, M. *Poster presentation*, Gulf of Mexico Oil Spill and Ecosystem Conference, Tampa, February **2016**.
140. “Cyclodextrin-Based Systems for Environmental Remediation Applications.” Levine, M.; Serio, N.; Smith, B.; Prignano, L.; Chanthalya, C. *Poster presentation*, Gulf of Mexico Oil Spill and Ecosystem Conference, Tampa, February **2016**.
141. “Cyclodextrin-Based Systems for Carcinogen Detection and Environmental Remediation.” Levine, M. *Invited seminar*, Coast Guard Academy, February **2016**.
142. “Cyclodextrin-Based Systems for Carcinogen Detection and Environmental Remediation.” Levine, M. *Invited seminar*, Bridgewater State University, November **2015**.
143. “Cyclodextrin-Based Energy Transfer: From Fundamental Science to Applied Toxicant Detection.” Levine, M. *Invited seminar*, Barnard College, September **2015**.
144. “Cyclodextrin-Promoted Energy Transfer as a Tool for Probing Noncovalent Interactions.” Levine, M. *Oral presentation*, 250th ACS National Meeting, Boston, August **2015**; ORGN-336.
145. “Fluorescent Conjugated Polymer Nanoparticles for the Sensitive Detection of Aromatic Analytes.” Levine, M.; Talbert, W.; Marks, P. *Oral presentation*, 250th ACS National Meeting, Boston, August **2015**; POLY-55.
146. “Chemistry Camp for Middle School Girls.” Levine, M.; Serio, N.; Radaram, B.; Chaudhuri, S.; Talbert, W. *Oral presentation*, 250th ACS National Meeting, Boston, August **2015**; CHED-470.
147. “Selective Detection of Aliphatic Alcohols via Proximity-Induced Fluorescence Modulation.” DiScenza, D. J.; Levine, M. *Poster presentation*, 250th ACS National Meeting Boston, August **2015**; ENVR-200.
148. Detection of Polycyclic Aromatic Hydrocarbons via Three-Component Energy Transfer in Urine.” Gareau, L.; Serio, N.; Levine, M. *Poster presentation*, INBRE Conference, Kingston, July **2015**.
149. “Detection of PAHs via Three-Component Energy Transfer in Human Breast Milk.” Prignano, L.; Levine, M. *Poster presentation*, INBRE Conference, Kingston, July **2015**.
150. “Results of Summer Research Conducted by High School Students in the Levine Laboratory.” Feder, E.; Mendonca, J.; Pouliot, A.; Zaki, H.; Levine, M. *Poster presentation*, INBRE Conference, Kingston, July **2015**.
151. “Cyclodextrin-Based Systems for Proximity-Induced Energy Transfer.” Levine, M.; Serio, N. *Poster presentation*, Gordon Research Conference on Artificial Molecules, Switches, and Motors, Easton, June **2015**.
152. “Supramolecular Chemistry: From Carcinogen Detection to Oil Remediation.” Levine, M. *Invited seminar*, Hunter College, May **2015**.
153. “Functional Supramolecular Architectures for Toxicant Detection in Complex Environments.” Levine, M. *Invited seminar*, New York University, May **2015**.
154. “Cyclodextrin-Based Energy Transfer: From Fundamental Science to Detection Applications.” Levine, M. *Invited seminar*, Yeshiva University, May **2015**.
155. “Macrocyclic-Promoted Energy Transfer for Broad-Based Toxicant Detection.” Levine, M. *Invited seminar*, Stony Brook University, May **2015**.
156. “Highly Efficient Detection of Hydrogen Peroxide in Solution and in the Vapor Phase via Fluorescence Quenching.” Radaram, B.; Levitsky, I. A.; Levine, M. *Oral presentation*, Northeast Student Regional Conference, Boston, April **2015**.
157. “Array-Based Detection of Carcinogens and Carcinogen Metabolites in Urine.” Gareau, L.; Serio, N.; Prignano, L.; Levine, M. *Poster presentation*, 249th ACS National Meeting, Denver, March **2015**; ENVR-417.
158. “Functional Supramolecular Architectures for Toxicant Detection in Complex Environments.” Levine, M. *Invited seminar*, Worcester Polytechnic Institute, March **2015**.
159. “Functional Supramolecular Architectures for Toxicant Detection in Complex Environments.” Levine, M. *Invited seminar*, Columbia University, March **2015**.
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160. "Macrocyclic Interactions: From Fundamental Science to Applied Performance." Levine, M. *Invited seminar*, UNC Greensboro, March **2015**.
161. "Cyclodextrin-Based Energy Transfer: From Fundamental Science to Detection Applications." Levine, M. *Invited seminar*, Bryant University, March **2015**.
162. "Multi-Functional Cyclodextrin-Based Systems for the Environmental Remediation of Oil Spills." Levine, M.; Serio, N. *Poster presentation*, 2015 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, January **2015**.
163. "Using Cyclodextrins for Pollutant Extraction and Array-Based Detection via Ternary Complex Formation in Complex Environments." Serio, N.; Levine, M. *Poster presentation*, 2015 Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston, January **2015**.
164. "Cyclodextrin Complexation: From Carcinogen Detection to Oil Spill Remediation." Levine, M. *Invited seminar*, Tufts University, January **2015**.
165. "Supramolecular Organic Chemistry for Carcinogen Detection Applications." Levine, M. *Oral presentation*, 8th Meeting of the Biology New England South (BioNES), Bristol, December **2014**.
166. "Detection of Aliphatic Alcohols in Complex Environments." DiScenza, D. J.; Levine, M. *Oral presentation*, 8th Meeting of the Biology New England South (BioNES), Bristol, December **2014**.
167. "Array-Based Detection of Carcinogens and Carcinogen Metabolites in Urine." Roque, J.; Levine, M. *Oral presentation*, 8th Meeting of the Biology New England South (BioNES), Bristol, December **2014**.
168. "Macrocyclic-Promoted Energy Transfer for Toxicant Detection." Levine, M. *Invited seminar*, Brandeis University, Waltham **2014**.
169. "Energy Transfer in Complex Environments." Levine, M. *Invited seminar*, Northeastern University, Boston **2014**.
170. "Detecting Small-Molecule Toxicants Using Fluorescent Organic Chemistry." Levine, M. *Invited seminar*, Connecticut College, New London **2014**.
171. "Fluorescent Energy Transfer for Toxicant Detection." Levine, M. *Invited seminar*, Union College, Schenectady **2014**.
172. "Macrocyclic-Promoted Energy Transfer for Broad-Based Toxicant Detection." Levine, M. *Oral presentation*, 248th ACS National Meeting, San Francisco **2014**; ORGN-308.
173. "Benzylic Bromination by 1,3-Dibromo-5,5-dimethylhydantoin." Radaram, B.; Levine, M. *Poster presentation*, 248th ACS National Meeting, San Francisco **2014**; ORGN-994.
174. "Toxicant Detection in Complex Biological Environments." Prignano, L.; Levine, M. *Poster presentation*, 248th ACS National Meeting, San Francisco **2014**; CHED-209.
175. "Organic Macrocycles and Their Role in Supramolecular Energy Transfer." Levine, M. *Poster presentation*, GRC Organic Reactions and Processes, Smithfield **2014**.
176. "Cyclodextrin-Mediated Supramolecular Catalysis of Diels-Alder Reactions involving Polycyclic Aromatic Hydrocarbons." Chaudhuri, S.; Phelan, T.; Levine, M. *Poster presentation*, Northeast Student Chemistry Research Conference, Boston **2014**.
177. "Developing a Series of Arene-Containing Metallo-Macrocycles for the Sequestration and Sensing of PAHs." Talbert, W.; Morimoto, J.; Levine, M. *Poster presentation*, Northeast Student Chemistry Research Conference, Boston **2014**.
178. "Facile Detection of PAHs via Three-Component Energy Transfer in Complex Biological Environments." Gareau, L.; Prignano, L.; Serio, N.; Levine, M. *Poster presentation*, Northeast Student Chemistry Research Conference, Boston **2014**.
179. "Facile Detection of PAHs via Three-Component Energy Transfer in Complex Environments for Oil Spill Response." Serio, N.; Levine, M. *Poster presentation*, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile **2014**.
180. "A Dual Function System for the Sequestration and Detection of Oil-Spill Related Polycyclic Aromatic Hydrocarbons." Levine, M.; Serio, N.; Prignano, L.; Chanthalya, C. *Poster presentation*, 2014 Gulf of Mexico Oil Spill and Ecosystem Conference, Mobile **2014**.
181. "Proximity-Induced Fluorescence Energy Transfer for Toxicant Detection." Levine, M. *Invited seminar*, Boston University, Boston **2013**.
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182. "Highly Efficient Energy Transfer in Electronically-Dissymmetric Macrocycles." Radaram, B.; Levine, M. *Oral Presentation*, Northeast Regional Meeting (NERM), New Haven, October **2013**; NERM-91.
183. "Females in Academia: On Being a Mother, Wife, and Assistant Chemistry Professor." Levine, M. *Invited talk*, 246th ACS National Meeting, Indianapolis **2013**; WCC-8.
184. "Synthesis of a Suite of Electronically Dissymmetric Macrocycles." Levine, M. *Poster presentation*, Gordon Research Conference in Organic Reactions and Processes, Smithfield, RI, July **2013**.
185. "Array-Based Detection of Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) and Toxic Polychlorinated Biphenyls." Serio, N.; Miller, K.; Mako, T.; Levine, M. *Oral presentation*, 245th ACS National Meeting, New Orleans, April **2013**; ORGN-744.
186. "Electronically Dissymmetric Fluorescent Organic Macrocycle for the Detection of Polycyclic Aromatic Hydrocarbons." Chaudhuri, S.; Radaram, B.; Levine, M. *Poster presentation*, 245th ACS National Meeting, New Orleans, April **2013**; ORGN-596.
187. "Synthesis of an Electronically Dissymmetric Macrocycle." Radaram, B.; Levine, M. *Poster presentation*, 245th ACS National Meeting, New Orleans, April **2013**; ORGN-675.
188. "Synthesis of a Fluorescent Conjugated Polymer in the Undergraduate Teaching Laboratory." Mako, T.; Levine, M. *Poster presentation*, 245th ACS National Meeting, New Orleans, April **2013**; CHED-529.
189. "Chiral Polymer-Derived Microcapsules as New Chiral Reactors." Levine, M.; Marks, P. *Invited talk*, 245th ACS National Meeting, New Orleans, April **2013**; POLY-197.
190. "Synthesis of a Boron-Based Organometallic Near-IR Emitting Fluorescent Macrocycle." Mako, T.; Levine, M. *Poster presentation*, 245th ACS National Meeting, New Orleans, April **2013**; ORGN-595.
191. "Organic Nanotechnology for Oil Spill Detection and Environmental Remediation." Levine, M. *Oral presentation*, RIN2 seminar series, Kingston, March **2013**.
192. "Progress on the Synthesis of a Fluorescent Organic Macrocycle." Cook, N.; Sherman, M.; Levine, M. *Poster presentation*, 38th Northeast Regional Meeting of the American Chemical Society, Rochester **2012**; NERM-399.
193. "Progress Towards the Synthesis of a Chiral Fluorescent Polyamine." Suits, M.; Levine, M. *Poster presentation*, Northeast Undergraduate Research Symposium, Maine **2012**.
194. "Energy Transfer Between Polycyclic Aromatic Hydrocarbons and Fluorophores in the Presence of Macrocycles." Mako, T.; Levine, M. *Poster presentation*, Northeast Undergraduate Research Symposium, Maine **2012**.
195. "Design and Synthesis of a Dissymmetric Organic Macrocycle." Rhadaram, B.; Levine, M. *Poster presentation*, Northeast Student Undergraduate Research Conference, Boston **2012**.
196. "A Suite of Dissymmetric Organic Macrocycles." Levine, M.; Rhadaram, B.; Potvin, J. *Poster presentation*, Gordon Research Conference, Smithfield **2012**.
197. "High School Researchers at the University of Rhode Island." Cohen, S.; Natale, J.; DeMarco, E.; Lucht, B.; DeBoef, B.; Levine, M. *Poster presentation*, Summer Undergraduate Research Fellows Conference, Kingston **2012**.
198. "Progress Towards the Synthesis of a Chiral Fluorescent Polyamine." Suits, M.; Flynn, K.; Levine, M. *Poster presentation*, Summer Undergraduate Research Fellows Conference, Kingston **2012**.
199. "Synthesis of Organic Conjugated Polymers in an Undergraduate Teaching Laboratory." Levine, M.; Marks, P. *Oral presentation*, 244th ACS National Meeting, Philadelphia **2012**; CHED-95.
200. "Synthesis of Fluorescent Macrocycles and Polymers by Click Chemistry." Levine, M.; Potvin, J.; Cook, N. *Oral presentation*, 244th ACS National Meeting, Philadelphia **2012**; ORGN-661.
201. "Synthesis of Chiral Polyethyleneimines for RNA Complexation and Delivery." Gharavi, J.; Moran, K.; Levine, M. *Poster presentation*, 244th ACS National Meeting, Philadelphia **2012**; POLY-271.
202. "Synthesis of a Self-Assembled Near-Infrared Emitting Macrocycle." Mako, T.; Levine, M. *Poster presentation*, 244th ACS National Meeting, Philadelphia **2012**; ORGN-766.
203. "Energy Transfer from a Variety of Polycyclic Aromatic Hydrocarbons to Fluorophores." Miller, K.; Levine, M. *Poster presentation*, 244th ACS National Meeting, Philadelphia **2012**; ORGN-771.
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204. "Fluorescent Organic Nanoparticles with Significant Visible Light Absorption for Cancer Imaging and Detection." Marks, P.; Levine, M. *Poster presentation*, 244th ACS National Meeting, Philadelphia **2012**; ORGN-640.
205. "Design and Synthesis of a Dissymmetric Organic Macrocycle." Radaram, B.; Levine, M.; Potvin, J. *Poster presentation*, 244th ACS National Meeting, Philadelphia **2012**; ORGN-658.
206. "Progress Toward the Synthesis of Fluorescent Organic Macrocycles." Cook, N.; Levine, M. *Poster presentation*, 243rd ACS National Meeting, San Diego **2012**; ORGN-137.
207. "Synthesis and DNA Binding of Chiral Cationic Polyamines." Levine, M. *Oral presentation*, Frontiers in Pharmaceutical Sciences Conference, Kingston, September **2012**.
208. "Design and Synthesis of a Dissymmetric Organic Macrocycle." Radaram, B.; Levine, M. *Poster presentation*, Frontiers in Pharmaceutical Sciences Conference, Kingston, September **2012**.
- 1. *Awarded poster competition.**
209. "Supramolecular Organic Chemistry in Explosive Detection, Catalysis, and Cancer Treatment." Levine, M. *Invited seminar*, Colby College, September **2012**.
210. "Fluorescent Nanoparticles in an Undergraduate Teaching Laboratory." Mako, T.; Levine, M. *Poster presentation*, 5th Annual IMNI celebration, Brown University, November **2012**.
- 2. *Awarded poster competition.**
211. "Macrocycle Chemistry for Oil Spill Detection and Cleanup." Levine, M. *Invited seminar*, Stonehill College, December **2012**.
212. "Chiral Amines: From Outer Space to Cellular Delivery." *Invited Talk*, University of Massachusetts Boston, **2011**.
213. "Fluorescent Polymers and Macrocycles in Turn-on Detection Schemes." *Invited Talk*, Providence College, **2011**.
214. "Progress in the Synthesis of an all-Organic Dissymmetric Macrocycle." Flynn, K.; Levine, M. *Poster presented*, Northeast Undergraduate Research and Development Symposium, **2011**.
215. "Energy Transfer in Nanoparticles and Ternary Complexes." Levine, M.; Mako, T.; Flynn, K.; Marks, P. *Poster presented*, Rhode Island Nanoscience Consortium, **2011**.
216. "All-Organic Macrocycles for Sensing and Catalysis." Levine, M.; Flynn, K. *Poster presented*, National Organic Symposium, Princeton, **2011**.
217. "Supramolecular Organocatalysis of Challenging Diels-Alder Reactions." Levine, M.; Flynn, K. *Poster presented*, GRC in Organic Reactions and Processes, **2011**.
218. "Synthesis and siRNA Delivery of Polyethyleneimines." Suits, M.; Gharavi, J.; Levine, M. *Poster presented*, Summer Undergraduate Research Fellowship (SURF) INBRE conference, Kingston, **2011**.
219. "Synthesis of Chiral Cationic Polyamines." Gharavi, J.; Levine, M. *Poster presentation*, 4th Northeast Regional IDeA Meeting, Newport **2011**.
220. "Adventures in Supramolecular Organic Chemistry." *Seminar presented*, University of Rhode Island Summer Seminar Series, Kingston **2011**.
221. "Synthesis and siRNA Binding Studies of Chiral Cationic Polyamines." *Platform presentation*, 4th Northeast Regional IDeA Meeting, Newport **2011**.
222. "Synthesis of Dissymmetric Organic Macrocycle for Sensing and Catalysis." Flynn, K.; Levine, M. *Poster presentation*, 242nd ACS National Meeting, Denver, **2011**; CHED-218.
223. "Organic Near-Infrared Squaraine Dyes in an Undergraduate Teaching Laboratory." Levine, M.; Marks, P. *Oral presentation*, 242nd National Meeting, Denver, **2011**; CHED-269.
224. "Energy Transfer in Ternary Macrocycle Complexes." Mako, T.; Levine, M. *Poster presentation*, 242nd National Meeting, Denver, **2011**; ORGN-496.
225. "Synthesis of Fluorescent Organic Macrocycles." Levine, M.; Cook, N.; Potvin, J. *Oral presentation*, 242nd National Meeting, Denver, **2011**; ORGN-565.
226. "Synthesis and siRNA Complexation Abilities of Chiral Cationic Polyamines." Levine, M.; Gharavi, J.; Sherman, M. *Oral presentation*, 242nd ACS National Meeting, Denver, **2011**; POLY-493.
227. "Supramolecular Macrocycles for Sensing and Catalysis." *Invited Talk*, Roger Williams College, **2011**.
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228. “Chiral Cationic Polymers for siRNA Delivery.” Moran, K.; Levine, M. *Poster presentation*, 6th BioNES Meeting, Roger Williams University, **2011**.
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PREVIOUS PRESENTATIONS (7 total presentations)

1. Levine, M.; Cordovilla, C.; Swager, T. Conjugated polymer nanoparticles as platforms for efficient energy transfer. *Oral presentation*, 240th ACS National Meeting, Boston **2010**; POLY-266.
2. Levine, M.; Avila, L.; Gani, T. Simple method to determine the effects of electrolytes on the critical micelle concentration of sodium-n-dodecylbenzenesulfonate. *Poster presentation*, 240th ACS National Meeting, Boston **2010**; CHED-333.
3. Levine, M.; Song, I.; Andrew, T. L.; Swager, Timothy M. Highly efficient energy transfer from conjugated polymers to near-infrared emitting dyes. *Oral presentation*, 238th ACS National Meeting, Washington **2009**; POLY-112.
4. Levine, M.; Swager, T. M. New research opportunities in chiral supramolecular chemistry. *Poster presentation*, 238th ACS National Meeting, Washington **2009**; AEI-045.
5. Levine, M.; Kenesky, C.; Zheng, S.; Breslow, R. Synthesis and Catalytic Properties of Novel Chiral Polyamines. *Poster presentation*, 40th Middle Atlantic Regional Meeting, Queens **2008**; MRM-122.
6. Levine, M.; Breslow, R. Mimicking prebiotic chemistry. *Oral presentation*, 235th ACS National Meeting, New Orleans **2008**; ORGN-001.
7. Breslow, R.; Levine, M. Amplification of enantiomeric concentrations under credible prebiotic conditions. *Poster presentation*, 233rd ACS National Meeting, Chicago **2007**; ORGN-644.

MANUSCRIPT REFEREE

2023: *ACS Applied Nanomaterials, ACS Nano, Analytical Chemistry, ChemistrySelect, Journal of Chemical Education*

2022: *ACS Applied Materials and Interfaces, ACS Nano, Analytical Chemistry, Analysis and Sensing, Analytical Letters, Applied Polymer Materials, Chemical Communications, Chemical Science, ChemistrySelect, Chemistry Teacher International, Chemosensors, Crystal Growth and Design, Food Analytical Methods, Frontiers in Biosciences, International Journal of Environmental and Analytical Chemistry, International Journal of Molecular Sciences, Journal of Chemical Education, Journal of Inclusion Phenomena and Macrocyclic Chemistry, Journal of Photochemistry and Photobiology, Materials, Molecules, Nanomaterials, Pharmacological Reports, Polymer Degradation and Stability, Sensors, Sensors and Actuators B: Chemistry, Supramolecular Chemistry, Talanta, Tetrahedron Letters*

2021: *ACS Sustainable Chemistry and Engineering, Analytica Chimica Acta, Analytical Letters, Biosensors, Carbohydrate Polymers, Chemical Communications, Chemical Educator, Chemistry- A European Journal, Chemistry- An Asian Journal, ChemistrySelect, Chemosensors, Crystals, Current Applied Polymer Science, Current Catalysis, Current Drug Delivery, Current Organic Chemistry, Current Organocatalysis, Dyes and Pigments, European Journal of Organic Chemistry, Food Science and Human Wellness, Frontiers in Bioscience-Landmark, Frontiers in Chemistry, Hazardous Materials, International Journal of Molecular Sciences, Israel Journal of Chemistry, Journal of Chemical Education, Journal of Fluorescence, Journal of Science and Research Reports, Materials Advances, Microchemical Journal, Microorganisms, Molecular Liquids, Nanomaterials, Nature Communications, Organic and Biomolecular Chemistry, Sensors, Sensors and Actuators B: Chem, Spectrochimica Acta: A, Symmetry, Synthetic Communications, Talanta, Tetrahedron, Tradition: The Journal*

2020: *ACS Applied Materials and Interfaces, ACS Applied Polymer Science, ACS Catalysis, ACS Omega, ACS Sensors, Agriculture, Analytical Letters, Asian Journal of Organic Chemistry, Biosensors, BMC Chemistry, Carbohydrate Polymers, Chemical Communications, Chemistry - A European Journal, Chemistry – An Asian Journal, Chemistry Nanomaterials, ChemistrySelect, Chemosensors, Communications Chemistry, Current Analytical Chemistry, Current Drug Delivery, Current Organic Chemistry, Current Organocatalysis, Dalton Transactions, Dyes and Pigments, Environmental Science and Pollution Research, European Polymer Journal, Frontiers in Chemistry, International Journal of Forestry and Wood Science, International Journal of STEM Education, Israel Journal of Chemistry, JACS Au, Journal of Chemical Education, Journal of Fluorescence,*

Journal of Molecular Liquids, Letters in Organic Chemistry, Medicinal Chemistry, Microchemical Journal, Molecules, Nanomaterials, Nanoscale, Nature Communications, Polymer, Polymer Degradation and Stability, Sensing and Bio-Sensing Research, Sensors, Sensors and Actuators B: Chemical, Studies in Natural Products Chemistry, Supramolecular Chemistry

2019: *ACS Applied Materials and Interfaces; ACS Applied Polymers Science; Analytical Chemistry; Analyst; Chemical Physics Letters; Chemical Science; Chemosensors; Colloids and Interfaces Science; Current Organic Chemistry; Dyes and Pigments; Eurasia Journal of Mathematics, Science, and Technology Education; Environmental Science and Pollution Research; European Journal of Organic Chemistry; Frontiers in Chemistry; Hazardous Materials; Inorganic Chemistry Frontiers; Interfaces Focus; International Journal of Molecular Sciences; International Journal of STEM Education; Journal of the American Chemical Society; Journal of Chemical Education; Journal of Inclusion Phenomena and Macrocyclic Chemistry; Journal of Molecular Structure; Journal of Molecular Liquids; Macromolecules; Materials Chemistry and Physics; Microchemical Journal; Molecules; Nanomaterials; Nature; Optical Materials; PLOS One; Polymer Chemistry; Polymers; Proceedings of the National Academy of Sciences; Research; Supramolecular Chemistry*

2018: *ACS Catalysis; African Journal of Engineering; Artificial Cells, Nanomedicine, and Biotechnology; Chemical Research in Toxicology; Chemistry Select; Chemosensors; Crystal Engineering Communications; Current Microwave Chemistry; Current Environmental Engineering; Environmental Pollution; Frontiers in Chemistry; International Journal of Chemical Education; Journal of Agricultural and Food Chemistry; Journal of Chemical Education; Journal of Food Science in Education; Journal of Molecular Structure; Nanomedicine; Nanomaterials; Sensors; Studies in Higher Education; Synlett; Supramolecular Chemistry; Toxicology Research*

2017: *ACS Nano; Advanced Materials; Carbohydrate Polymers; Chemical Communications; Crystal Engineering Communications; Frontiers in Chemistry; Journal of the American Chemical Society; Journal of Chemical Education; Journal of Inclusion Phenomena and Macrocyclic Chemistry; Natural Products Research; RSC Advances; Supramolecular Chemistry*

2016: *ACS Sensors; Advanced Materials; Bioconjugate Chemistry; Biosensors and Bioelectronics; Chinese Journal of Catalysis; Computers and Electronics in Agriculture; Journal of the American Chemical Society; Journal of Chemical Education; Journal of Inclusion Phenomena and Macrocyclic Chemistry; Journal of Marine Science and Engineering; Letters in Organic Chemistry; Organic Letters; Polymer International; Recent Innovations in Chemical Engineering*

2015: *Journal of the American Chemical Society; Talanta; Journal of Chemical Education; Advances in Polymer Technology; Journal of Molecular Recognition*

2014: *Journal of the American Chemical Society; Supramolecular Chemistry; ACS Applied Materials and Interfaces; Organic and Biomolecular Chemistry; Journal of Chemical Education*

2013: *New Journal of Chemistry; Chemical Communications; Journal of Organic Chemistry; Current Organic Chemistry; Journal of Royal Society Interfaces; ACS Sustainable Chemistry & Engineering; Organic and Biomolecular Chemistry; Molecular Pharmaceutics*

2012: *Journal of Biological Research; Journal of Organic Chemistry; Macromolecules*

2011: *ACS Catalysis*

2010: *Chemical Physics Letters*

2009: *Supramolecular Chemistry*

SELECTED PUBLICITY

1. ארת הצטיינות על עידוד נשים לקריירה במדעי הכימיה הוענקה לפרופ' מינדי לוי; Limod.co.il; December **2021**; limod.co.il.
2. "ACS 2022 National Award Winners." *Chemical and Engineering News*, September **2021**; <https://cen.acs.org/people/awards/ACS-2022-national-award-winners/99/i35>
3. "Meet the Ariel University Professor Leading Chemical Detection Research." *Jerusalem Post*, June **2021**; <https://www.jpost.com/israel-news/meet-the-ariel-university-professor-leading-chemical-detection->

[research-660960](#).

4. "את אסון הזיהום הבא אפשר לראות בחול ובמים" – Haaretz Blog; March 2021; <https://www.haaretz.co.il/blogs/roibetlevi/BLOG-1.9617560>
5. "דליפת הדלק המזהמת את חופי ישראל: הבראה מלאה תיקח מספר שנים" The Oil Spill Affecting the Shores of Israel: Full Recovery Will Take Several Years." February 2021; <https://www.mako.co.il/green-life/environment/Article-6510a8fe5a9d771027.htm?sCh=3d385dd2dd5d4110&pId=172514916>
6. "Israelis rally to clean tar spill and avert future crises." Israel21C; February 2021; <https://www.israel21c.org/israelis-rally-to-clean-tar-spill-and-avert-future-crises/>
7. "Oil Spill Cleanup Efforts." February 2021; https://www.newsru.co.il/israel/23feb2021/levin_507.html
8. "Israeli government approves NIS 45 million to tackle beach oil pollution." Strana News, February 2021; <http://www.strana.co.il/news/?ID=120910&cat=3>
9. "Research Spotlight on Mindy Levine." Feature article on Ariel University website, October 2019; <https://www.ariel.ac.il/wp/chemistry/en/research-spotlight/prof-mindy-levine/>.
10. "URI Professor Hosts Chemistry Camp to Encourage Girls' Interest in Science." *Providence Business News*, April 2019.
11. "URI Professor to Host 7th Annual Chemistry Camp for Middle School Girls April 15-19." *URI Today*, April 2019.
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