CURRICULUM VITAE

Kenneth E. Maly
Professor and Chair, Department of Chemistry and Biochemistry
Wilfrid Laurier University
75 University Ave. W., Waterloo, Ontario, N2L 3C5
Email: kmaly@wlu.ca

EDUCATION

2002	Ph.D.	Chemistry	Queen's University
1997	B.Sc.	Honours Chemistry	Queen's University

EMPLOYMENT HISTORY

2024-	Chair, Chemistry & Biochemistry	Wilfrid Laurier University
2025-	Professor, Chemistry and Biochemistry	Wilfrid Laurier University
2019-2021	Vice Dean, Faculty of Science	Wilfrid Laurier University
2018-2019	Dean of Science (Acting)	Wilfrid Laurier University
2017-2018	Vice Dean, Faculty of Science	Wilfrid Laurier University
2014-2017	Associate Dean, Faculty of Science	Wilfrid Laurier University
2011-2025	Associate Professor, Chemistry	Wilfrid Laurier University
2006-2011	Assistant Professor, Chemistry	Wilfrid Laurier University
2003-2006	NSERC Postdoctoral Fellow, Chemistry	Université de Montréal
2002	Adjunct Professor, Chemistry	Queen's University

HONOURS AND AWARDS

2024	Wilfrid Laurier University Faculty Merit Award
2017	Wilfrid Laurier University Faculty Merit Award
2015	Wilfrid Laurier University Teaching Fellowship
2014	Laurier Award for Teaching Excellence
2013	Wilfrid Laurier University Faculty Merit Award
2012	Thieme Chemistry Journal Awardee
2011	Ontario Early Researcher Award
2010	Wilfrid Laurier University Faculty Merit Award
2009	Ichikizaki Fund for Young Chemists
2008	Ichikizaki Fund for Young Chemists

ADMINISTRATIVE LEADERSHIP EXPERIENCE

Vice Dean, Faculty of Science (2019-2021)

As Vice Dean, I served as an advisor to the Dean of Science on issues ranging from strategic enrollment management, research and space issues to priorities for resource allocation. In addition, I had oversight over undergraduate academic programming and curriculum and facilitated the priorities for course delivery during the pandemic. Selected Responsibilities included:

- Chair, Faculty of Science Curriculum Committee
- Member, Joint Liaison Committee (joint WLFA/administration committee)
- Member, Faculty affiliation working group for Geography and Environmental Studies
- Member, Facilities and Operations Pandemic Recovery Working Group
- Member, Vice-President: Academic Advisory Council (VPAC)
- Member, Academic Transition Task Force (an *ad hoc* subcommittee of VPAC)
- Co-chair, SHAD Laurier Steering Committee

Key accomplishments:

- Facilitated planning and prioritization of in-person course delivery for the Faculty of Science during the COVID-19 pandemic and recovery stages
- Led a significant change to progression requirements for BA and BSc programs to improve student success, which impacted programs across several faculties
- Led the establishment of the Honours Science BSc/Sussex LLB stream
- Initiated and facilitated the development of a cross-faculty, interdisciplinary online course focusing on the COVID-19 pandemic

Acting Dean, Faculty of Science (2018-2019)

As Acting Dean, I led a unit with close to 120 full-time faculty, over 40 full-time staff members, close to 40 academic programs and approximately 5000 undergraduate students. Significant efforts focused on planning for the Launch of the campus at Milton until the province pulled funding for the campus expansion. Selected responsibilities included:

- Chair, Faculty of Science Curriculum Committee
- Chair, Faculty of Science *ad hoc* Milton programming planning committee
- Chair of Science Divisional Council and Deans Advisory Council
- Member, Vice-President: Academic Advisory Council (VPAC)
- Responsibility for setting enrollment targets for programs in the Faculty of Science and member of the Strategic Enrollment Management (SEM) Committee
- Oversight over Faculty budget in transition to an activities-based budget

Key accomplishments:

- Established and managed, in partnership with the Office of Research Services, the Faculty of Science Undergraduate Student Research Award (modelled after the NSERC USRA)
- Led the establishment of Laurier as a campus site for SHAD (a high school STEAM and entrepreneurship program)

Vice Dean, Faculty of Science (2017-2018)

The role of Vice Dean in the Faculty of Science was created in 2017, although portfolio remained similar to my previous role as Associate Dean: Priorities and Planning. Primary activities included oversight over curriculum and program development, student recruitment efforts, advising the Dean in a number of areas, including setting enrollment targets. Another key responsibility involved implementation of aspects of the Faculty of Science Strategic Plan. Selected responsibilities included:

- Chair, Faculty of Science Curriculum Committee
- Chair, Faculty of Science Teaching and Learning Committee
- Chair, Faculty of Science Outreach and Community Engagement Committee

Key accomplishments:

- Led the program proposal for the Honours Science BSc program, which launched in 2019
- Secured initial NSERC PromoScience grant for Laurier's AquaSONG program – a high school outreach program focusing on Water Science

Associate Dean: Priorities and Planning, Faculty of Science (2014-2017)

In the Role of Associate Dean: Priorities and Planning, my responsibilities focused on oversight of curriculum and program development for the Faculty of Science, as well as recruitment efforts. Selected responsibilities included:

- Chair, Faculty of Science Curriculum Committee
- Member of Senate: Academic Planning Committee (involved in the development of Laurier's previous Strategic Academic Plan)
- Chair, Faculty of Science recruitment committee
- Northdale campus space audit

Key accomplishments:

- One of the leads for the development of the Faculty of Science Strategic Plan
- Led the renovation/creation of the active learning classroom in the Science Building
- Led the establishment of the Faculty of Science Award for Teaching Excellence
- Facilitated the expansion of accreditable co-op programs in the Faculty of Science

Chair, Department of Chemistry and Biochemistry (July 2024-present)

As Chair of the Department of Chemistry and Biochemistry, I have administrative oversight over a department of 12 full-time faculty members and 8 staff members. My responsibilities have included:

- Course planning for the 2025-2026 and 2026-2027 academic years
- Chair of the Part-time Appointments Committee (PTAC)
- Chair, Faculty Search Committee
- Chair of the Departmental Curriculum Committee.

During my term as chair, my responsibilities focused on leading curriculum revisions for one of our undergraduate programs, staff hiring, faculty hiring, and planning course offerings and scheduling

RESEARCH

Publications in Peer-Reviewed Journals (**Student trainees are indicated in bold font**.)

47. Delara Joekar, Sarah A. Englehart, **Lana K. Hiscock**, Kathryn M. M. Stephens, Emma Galejs, Paul D. Boyle, Kenneth E. Maly, Barry A. Blight, Steven M. Maley, and Louise N. Dawe, Pyrazolylthiourea Ligands for Tunable Solid-State Photoluminescence and Quenching-Based Zinc(II) Sensing, *Crystal Growth & Design*, **2026**, *ASAP*, doi.org/10.1021/acs.cgd.5c01511.

46. Ayza Jabeena, Farwa Zainaba, Nafeesa Naeema, Amina Sadiqb, Kenneth E. Maly*, Ehsan Ullah Mughal*, Triphenylene as a Versatile Scaffold for Advanced Functional Materials, *RSC Advances*, **2026**, 6625-6676.

45. Alexander Huber, Felix van der Vight, Viktoria Heising, Christoph Wölper, Oleg Prymak, Hatem M. A. Amin, Kenneth E. Maly, Jens Voskuhl, Controlling Structural and Photophysical Properties in Sequentially Methylated Phenoxazines, *Organic Chemistry Frontiers*, **2026**, 956-966.

44. Alexander Huber, Lea Höfmann, Sophia Felicitas Stadtfeld, Christoph Wölper, Oleg Prymak, Kenneth E. Maly, Fabio Rizzo, Jens Voskuhl, Modulating the Favored Emissive State of Functionalized Phenoxazines in both Solution and the Solid-State, *ChemPhotoChem*, **2026**, e202500291.

43. **Zachary W. Schroeder**, **Emily K. Small**, Steven M. Maley, and Kenneth E. Maly, Synthesis of a quinoxaline dimer and trimer via Yamamoto coupling, *Canadian Journal of Chemistry*, **2026**, 158-168.

42. **Lana K. Hiscock**, Athan T. Gogoulis, **Madison Diamantopoulos**, **Vishvam S. Patel**, Louise N. Dawe, Zachary M. Hudson, and Kenneth E. Maly, Reversible Nucleophilic Ring-Opening of Tetraoxapentacene Derivatives: Accessing New Materials for Thermally Activated Delayed Fluorescence, *Journal of Organic Chemistry*, **2024**, 15598-15606.

41. Steven Mauries, Taylor O. Hope, **Katie M. Psutka**, **Joshua Ledrew**, Meghan Heer, Emma Guillet, **Pedram Zand**, Kenneth E. Maly, Mathieu Frenette, Unusual Photochemistry in Aromatic Dithioimides: Quantitative Thione Reduction Promoted by Ether Solvents, *Chemistry: A European Journal*, **2024**, *30,* e202400788.

40. **Lana K. Hiscock, Vishvam S. Patel**, A. Mohan Raj, Cephas Amoah, Aniket Jitendra Talreja, William G. Skene, Kenneth E. Maly, Luminescent N-Aryl Heteroacene Derivatives, *Canadian Journal of Chemistry*, **2023**, *101* (3), 186-197.

39. **Zachary W. Schroeder**, **Joshua LeDrew**, **Vanessa M. Selmani**, Kenneth E. Maly, Preparation of Substituted Triphenylenes via Nickel-Mediated Yamamoto Coupling, *RSC Advances*, **2021**, 39564-39569.

38. Alexander C. Anderson, Alysha J.N. Burnett, Shirley Constable, **Lana Hiscock**, Kenneth E. Maly, Joel T. Weadge, A Mechanistic Basis for Phosphoethanolamine Modification of the Cellulose Biofilm Matrix in Escherichia coli, *Biochemistry*, **2021**, *60*, 3659-3669.

37. Alexander C. Anderson, Alysha J.N. Burnett, **Lana Hiscock**, Kenneth E. Maly, Joel T. Weadge, The Escherichia coli cellulose synthase subunit G (BcsG) is a Zn2+-dependent phosphoethanolamine transferase, *Journal of Biological Chemistry*, **2020**, 6225-6235.

36. **Rebecca E. Yardley**, **Joseph A. Paquette**, Hi Taing, Heather M. Gaebler, S. Holger Eichhorn, Ian P. Hamilton, Kenneth E. Maly, Stabilization of Columnar Liquid Crystal Phases via Arene-Perfluoroarene Interactions, *Organic Letters*, **2019**, 10102-10105.

35. **Lana K Hiscock**, Delara Joekar, Barbora Balonova, Marta Tomas Piqueras, Zachary W Schroeder, Victoria Jarvis, Kenneth E Maly, Barry A Blight, Louise N Dawe, Structures, Phase Behavior, and Fluorescent Properties of 3-Phenyl-1-(pyridin-2-yl)-1H-pyrazol-5-amine and Its ZnCl2 Complex *Inorganic Chemistry*, **2019**, 16317-16321.

34. **Lana K. Hiscock**, Louise N. Dawe, Kenneth E. Maly, Crystal packing of a series of 1, 2, 3, 4-substituted phenoxazine and dibenzodioxin heterocycles, *Crystal Growth & Design*, **2019**, 7298-7307.

33. **Lana K. Hiscock**, Chengzhang Yao, William G. Skene, Louise N. Dawe, Kenneth E. Maly, Synthesis of Emissive Heteroacene Derivatives via Nucleophilic Aromatic Substitution, *Journal of Organic Chemistry*, **2019**, 15530-15537.

32. **Katie M. Psutka**, **Joshua LeDrew**, Hi Tiang, S. Holger, Eichhorn, and Kenneth E. Maly, Synthesis and Self-Assembly of Liquid Crystalline Triphenylenedicarboxythioimides*, Journal of Organic Chemistry*, **2019**, 10796-10804.

31. **Lana K. Hiscock**, **Brooke M. Raycraft**, Monika Wałesa-Chorab, Coralie Cambe, Alexandre Malinge, W. G. Skene, Hi Taing, S. Holger Eichhorn, Louise N. Dawe, and Kenneth E. Maly, Synthesis and Characterization of Liquid-Crystalline Tetraoxapentacene Derivatives Exhibiting Aggregation-Induced Emission, *Chemistry: A European Journal,* **2019**, 1018-1028.

30. Kenneth E. Maly, **William Buck**, and Louise N. Dawe, Open network structures from 2D hydrogen bonded networks: diaminotriazynyl tetraoxapentacenes, *CrystEngComm*, **2017**, 6401-6405.

29. **Joseph A. Paquette, Katie M. Psutka, Colin J. Yardley**, and Kenneth E. Maly, Probing he structural features that influence the mesomorphic properties of substituted dibenz[a,c]anthracenes, *Canadian Journal of Chemistry*, **2017**, 399-409.

28. **Katie M. Psutka** and Kenneth E. Maly, Synthesis and Characterization of Novel Dibenz[a,c]anthracenedicarboxythioimides: The Effect of Thionation on Self-Assembly, *RSC Advances*, **2016**, 78784-78790.

27. **Joseph A. Paquette**, **Rebecca E. Yardley**, Joanne Wing-Yan, S. Holger Eichhorn, and Kenneth E. Maly; Anthra- and pentacenequinone derivatives: influence of structure on the formation of columnar liquid crystal phases, *New Journal of Chemistry*, **2016**, *40*, 5985-5988.

26. **Katie M. Psutka, Joshua Williams, Joseph A. Paquette**, Oliver Calderon, Kevin J. A. Bozek, Vance E. Williams, and Kenneth E. Maly; Synthesis of Substituted Dibenz[a,c]anthracenes and an Investigation of Their Liquid Crystalline Properties, *European Journal of Organic Chemistry*, **2015**, 1456-1463.

25. **Katie M. Psutka**, Kevin J. A. Bozek, and Kenneth E. Maly; Synthesis and Mesomorphic Properties of Novel Dibenz[a,c]anthracenedicarboximides, *Organic Letters*, **2014**, *16*, 5442-5445.

24. **Caitlin L. Williamson**, Kenneth E. Maly, and Stephen L. MacNeil; Synthesis of Imidazolium Room-Temperature Ionic Liquids A Modification of the Procedure of Dzyuba, Kollar and Sabnis, *Journal of Chemical Education*, **2013**, *90*, 799-801.

23. **Joseph A. Paquette**, **Colin J. Yardley**, **Katie M. Psutka**, **Melissa A. Cochran**, Oliver Calderon, Vance E. Williams, and Kenneth E. Maly; Dibenz[a,c]anthracene Derivatives Exhibiting Columnar Mesophases over Broad Temperature Ranges, *Chemical Communications*, **2012**, 8210-8212.

22. Se-Woung Oh, Joseph W. E. Weiss, **Phillip A. Kerneghan**, Ilia Korobkov, Kenneth E. Maly, and David L. Bryce; Solid-state 11B and 13C NMR, IR, and X-ray crystallographic characterization of selected arylboronic acids and their catechol cyclic esters, *Magnetic Resonance in Chemistry*, **2012**, *50*, 388-401.

21. Kenneth E. Maly; Acenes vs N-Heteroacenes: The Effect of N-Substitution on the Structural Features of Crystals of Polycyclic Aromatic Hydrocarbons, *Crystal Growth & Design*, **2011**, 5628-5633.

20. Kenneth E. Maly, Eric Gagnon, James D. Wuest; Engineering Crystals with Abnormally Weak Molecular Cohesion. *Chemical Communications*, **2011**, 5163-5165.

19. **Phillip A. Kerneghan**, **Shira D. Halperin**, David L. Bryce, and Kenneth E. Maly; Postsynthetic Modification of an Imine-Based Microporous Organic Network, *Canadian Journal of Chemistry,* **2011**, 577-582.

18. **Andrew J. Frank**, **Jacob Rawski**, Kenneth E. Maly, and Vladimir Kitaev; Environmentally Benign Aqueous Oxidative Catalysis using AuPd/TiO_2 Colloidal Nanoparticle System Stabilized in the Absence of Organic Ligands, *Green Chemistry*, **2010**, *12*, 1615-1622.

17. **Andrew J. Frank**, Nicole Cathcart, Kenneth E. Maly, and Vladimir Kitaev; Synthesis of Silver Nanoprisms with Variable Size and Investigation of Their Optical Properties, *Journal of Chemical Education,* **2010**, *87*, 1098-1101.

16. **Eric Gagnon**, **Shira D. Halperin**, Valerie Metivaud, Kenneth E. Maly, and James D. Wuest; Tampering with Molecular Cohesion in Crystals of Hexaphenylbenzenes. *Journal of Organic Chemistry*, **2010**, *75*, 399-406.

15. **Eric Gagnon**, Thierry Maris, Pierre-Marc Arseneault, Kenneth E. Maly, and James D. Wuest; Structural Features in Crystals of Derivatives of Benzene with Multiple Contiguous Phenyl Substituents, *Crystal Growth & Design*, **2010**, *10*, 648-657.

14. **Philip T. Lynett** and Kenneth E. Maly; Synthesis of Substituted Trinaphthylenes via Aryne Cyclotrimerization, *Organic Letters*, **2009**, 3726-2729.

13. Kenneth E. Maly; Assembly of Nanoporous Organic Materials from Molecular Building Blocks, *Journal of Materials Chemistry*, **2009**, *19*, 1781-1787.

12. **Eric Gagnon**, Thierry Maris, Kenneth E. Maly, and James D. Wuest; The Potential of N---O Interactions in Crystal Engineering, as Revealed by Structures of Hexakis(4-nitrophenyl)benzene. *Tetrahedron*, **2007**, *63*, 6603-6613.

11. Kenneth E. Maly, **Eric Gagnon**, Thierry Maris, and James D. Wuest; Engineering Hydrogen-Bonded Molecular Crystals Built from Derivatives of Hexaphenylbenzene and Related Compounds, *Journal of the American Chemical Society,* **2007**, *129*, 4306-4322.

10. **Eric Gagnon**, Kenneth E. Maly, Thierry Maris and James D. Wuest; A New Pseudopolymorph of Hexakis(4-cyanophenyl)benzene. *Acta Crystallographica, Sec. C*, **2007**, *C63*, o4-o6.

9. Kenneth E. Maly, **Caroline Dauphin**, and James D. Wuest; Self-Assembly of Columnar Mesophases from Diaminotriazines, *Journal of Materials Chemistry*, **2006**, *16*, 4695-4700.

8. Kenneth E. Maly, Nadia Malek, Jean-Hugues Fournier, Patricia Rodriguez-Cuamatzi, Thierry Maris, and James D. Wuest; Engineering Crystals Built from Molecules Containing Boron, *Pure and Applied Chemistry*, **2006**, *78*, 1305-1321.

7. Kenneth E. Maly, Thierry Maris, and James D. Wuest; Two-Dimensional Hydrogen-Bonded Networks in Crystals of Diboronic Acids, *CrystEngComm,* **2006**, *8*, 33-35.

6. Kenneth E. Maly, Thierry Maris, Eric Gagnon, and James D. Wuest; Inclusion Complexes of Hexakis(4-cyanophenyl)benzene: Open Network Structures Maintained by C-H···N Interactions. *Crystal Growth & Design*, **2006**, *6*, 461-466.

5. Kenneth E. Maly, Peng Zhang, Michael D. Wand, Erwin Buncel, and Robert P. Lemieux; Reversible photocyclization of achiral dithienylperfluorocyclopentene dopants in a ferroelectric liquid crystal: bistable SSFLC photoswitching. *Journal of Materials Chemistry*, **2004**, *14*, 2806-2812.

4. Kenneth E. Maly, Michael D. Wand, and Robert P. Lemieux; Bistable ferroelectric liquid crystal photoswitch triggered by a dithienylethene dopant. *Journal of the American Chemical Society,* **2002**, *124*, 7898-7899.

3. Jason Z. Vlahakis, Kenneth E. Maly, and Robert P. Lemieux; Thioindigo-containing organosiloxane liquid crystals with electroclinic properties. *Journal of Materials Chemistry*, **2001**, *11*, 2459-2464.

2. Kenneth E. Maly, Gang Wu, and Robert P. Lemieux; Solubility of thioindigo dopants in a smectic liquid crystal host evaluated by ^{2}H NMR spectroscopy. *Liquid Crystals*, **2001**, *28*, 457-462.

1. Liviu Dinescu, Kenneth E. Maly, and Robert P. Lemieux; Design of photonic liquid crystal materials: synthesis and evaluation of new chiral thioindigo dopants designed to photomodulate the spontaneous polarization of ferroelectric liquid crystals. *Journal of Materials Chemistry*, **1999**, *9*, 1679-1686.

Books

1. K.E. Maly, *Synthesis of Aromatic Compounds*, DeGruyter, 2022.

Book Chapters

2. **Caitlin Williamson**, Kenneth E. Maly, and Stephen L. MacNeil; “The Kemp Elimination in Water: A Laboratory Experiment for Introductory Organic Chemistry” in *Comprehensive Organic Chemistry Experiments for the Laboratory Classroom*, C. A. M. Alfonso *et al*, Eds. Royal Society for Chemistry, London, 2017.

1. R.P. Lemieux, L. Dinescu, and K.E. Maly; "Optical switching of a ferroelectric liquid crystal spatial light modulator using chiral thioindigo dopants" in *Anisotropic Organic Materials – Approaches to Polar Order*; R. Glaser and P. Kaszynski, Eds; ACS Symposium Series, Vol. 798, American Chemical Society: Washington, D.C., July 2001.

Invited Lectures (Departmental Seminars)

University of Calgary, November 2025
York University, Department of Chemistry, March 2024
Université de Laval, Département de Chimie, February 2024
University of Western Ontario, Department of Chemistry, October 2023
Wilfrid Laurier University, Department of Chemistry and Biochemistry, March 2023
University of Calgary, Printed Electronics Symposium, November 2021
Université de Laval, Département de Chimie, October 2019
Brock University, Department of Chemistry, April 2016
University of Windsor, Department of Chemistry and Biochemistry, November 2015
Wilfrid Laurier University, Department of Chemistry and Biochemistry, September 2014
McMaster University, Department of Chemistry, March 2014
University of Waterloo, Department of Chemistry and Biochemistry, November 2013
Royal Canadian Institute for the Advancement of Science Lecture Series, March 2013
Queen's University, Department of Chemistry, February 2013
Memorial University of Newfoundland, Department of Chemistry, September 2012
University of Buffalo, Department of Chemistry, March 2012
University of Windsor, Department of Chemistry and Biochemistry, March 2012
University of Guelph, Department of Chemistry, January 2011.
Université de Sherbrooke, Département de Chimie, October 2010.
Xerox Research Centre of Canada, April 2010.
University of New Brunswick, Department of Chemistry, December 2009.

Selected Conference Presentations (Since 2006, student presentations not included)

K. E. Maly, *Design of New Discotic Mesogens: Controlling Mesomorphism using Arene-Arene Interactions*. Gordon Research Conference: Liquid Crystals, Manchester, NH, USA, July 7-11, 2025. **Invited Oral presentation.**

K. E. Maly, *Accessing Novel Luminescent Dyes via Nucleophilic Aromatic Substitution.* Canadian Society for Chemistry Conference and Exhibition, Ottawa, ON, June 15-19, 2025.

K.E. Maly, *Reversible Nucleophilic Ring-Opening of Tetraoxapentacene Derivatives and its Application in the Preparation of New Materials for Thermally Activated Delayed Fluorescence*, 52nd Physical Organic Minisymposium (POMS), Université de Montréal, Montreal, QC, Nov. 2-3, 2024.

L. K. Hébert, M. Diamantopoulos, L.N. Dawe, K.E. Maly, *Synthesis and Reactivity of Novel Heteroacene Derivatives: The Design of New Luminescent Compounds*, Canadian Society for Chemistry Conference and Exhibition, Winnipeg, MB, June 2-6, 2024.

K. E. Maly *Self-Assembly of Polycyclic Hydrocarbons: the Design of New Liquid Crystalline Materials, International Symposium on Macrocyclic and Supramolecular Chemistry*, Reykjavik, Iceland, June 25-29, 2023.

K. E. Maly, L. K. Hiscock, and L. N. Dawe, *Design and Synthesis of Novel Luminescent Heterocyclic Compounds via Nucleophilic Aromatic Substitution*, Canadian Society for Chemistry Conference and Exhibition, Vancouver, BC, June 4-8, 2023.

K. E. Maly, L. K. Hiscock, J. LeDrew, *A Novel Chemiluminescent Reaction from Electron-Deficient Phenoxazines and Dibenzodioxins*, 50th Quebec-Ontario Physical Organic Minisymposium, Kingston, ON, November, 2022.

K. E. Maly, Synthesis, *Self-Assembly, and Photodegradation of Triphenylene and Dibenz[a,c]anthracene Thioimides*. 29th International Symposium on the Organic Chemistry of Sulfur, Guelph, ON, July, 2022.

K. E. Maly, *Conjugated Heteroacene Derivatives via Nucleophilic Aromatic Substitution*. 19th International Symposium on Novel Aromatic Compounds, Warsaw, Poland, July, 2022 (Virtual).

K. E. Maly**,** *Conjugated Heteroacene Derivatives via Nucleophilic Aromatic Substitution, Canadian Society for Chemistry Conference and Exhibition*, Calgary, Alberta, June, 2022. (Withdrawn during conference due to illness).

K. E. Maly**,** *Self-Assembly of Polycyclic Hydrocarbons: the Design of New Liquid Crystalline Materials, Canadian Society for Chemistry Conference and Exhibition*, Calgary, Alberta, June, 2022. (Withdrawn during conference due to illness).

K. E. Maly, *Using the tools of crystal engineers to design liquid crystalline materials: controlling π-stacking in columnar liquid crystals*, International Chemical Congress of Pacific Basin Societies (Pacifichem), Virtual Conference, December 16-21, 2021.

K. E. Maly, *Conjugated Heteroacene Derivatives via Nucleophilic Aromatic Substitution*, International Chemical Congress of Pacific Basin Societies (Pacifichem), Virtual Conference, December 16-21, 2021.

K. E. Maly, *Luminescent Heteroacene Derivatives via Nucleophilic Aromatic Substitution*, 48th International Union of Pure and Applied Chemistry World Chemistry Congress and 104th Canadian Society for Chemistry Conference and Exhibition, Virtual Conference, August 13-20, 2021.

K.E. Maly, *Novel Heterocyclic Acene Derivatives: Synthesis and Self-Assembly*, 47th Ontario-Quebec Physical Organic Minisymposium, York University, Toronto, Ontario, November 1-3, 2019.

K. E. Maly, *Self-Assembly of Polcyclic Aromatic Hydrocarbons: Design of New Columnar Liquid Crystalline Materials*, 46th Physical Organic Minisymposium, Université du Québec à Montréal, Montreal, Quebec, November 2-4, 2018.

K. E. Maly, *Self-Assembly of Polycyclic Aromatic Hydrocarbons in the Solid State and in Liquid Crystals for the Preparation of New Materials*, The 5th Crystal Engineering and Emerging Materials Workshop of Ontario & Quebec, McGill University, Montreal, Quebec, July 16-19, 2018. **Invited oral presentation**.

K.E, Maly, *Using Supramolecular Chemistry to Prepare New Materials: Self-Assembly of Polycyclic Aromatic Hydrocarbons in the Solid State and in Liquid Crystals*, Oral Presentation, 101st Canadian Chemistry Conference and Exhibition, Edmonton, Alberta, May 27-31, 2018.

K. E. Maly, *Design of New Discotic Liquid Crystalline Materials: Effect of Structural Modifications on Liquid Crystalline Properties*, 100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, May 28-June 1, 2017. **Invited oral presentation**.

K. E. Maly, *Design and Synthesis of Polycyclic Aromatic Hydrocarbons: Controlling Self-Assembly and Photophysical Properties*, 100th Canadian Society for Chemistry Conference and Exhibition, Toronto, Ontario, May 28-June 1, 2017. **Invited oral presentation**.

K. E. Maly, *Synthesis and Self-Assembly of Novel Acenequinones: Design of New Columnar Liquid Crystalline Materials*, Poster Presentation, 17th International Symposium on Novel Aromatic Compounds, Stonybrook, United States, July 23-28, 2017.

K. E. Maly, K. Psutka, J. Paquette, *Synthesis and Self-Assembly of Dibenz[a,c]anthracenes and Related Compounds: Influence of Structure on Columnar Mesophase Formation*, Poster Presentation, 16th International Symposium on Novel Aromatic Compounds, Madrid, Spain, July 5-10, 2015.

K. E. Maly, J. Paquette, R. Yardley, M. Halloran, E. Cieplechowicz, *Synthesis of Novel Acenequinones and Investigation of Their Self-Assembly*, Oral Presentation, Pacifichem, Honolulu, United States, Dec 15-20, 2015.

K. E. Maly, J. Paquette, K. Psutka, *Synthesis and Self-Assembly of Novel Dibenz[a,c]anthracenes: Influence of Structure on Mesomorphic Properties*, Oral Presentation, Pacifichem, Honolulu, United States, Dec 15-20, 2015.

K. E. Maly, *Self-Assembly of Dibenzanthracenes: Influence of Structure on Liquid Crystalline Properties*, Oral Presentation, Quebec-Ontario Physical Organic Minisymposium, Windsor, Canada, Oct. 30 – Nov. 1, 2015.

K. E. Maly, K. Psutka, J. Paquette, R. Yardley, *From Dibenzanthracenes to Acenequinones: Synthesis and Self-Assembly of Novel Polycyclic Aromatic Hydrocarbons*, Oral Presentation, 98th Canadian Society for Chemistry Conference and Exhibition, Ottawa, Canada, June 13-17, 2015.

J. A. Paquette, R. E. Yardley, K. E. Maly, *Synthesis and Mesomorphic Properties of Novel Acenequinone Derivatives, Oral Presentation*, 25th International Liquid Crystals Conference, Dublin, Ireland, June 29-July 4, 2014.

K. E. Maly, K. M. Psutka, J. A. Paquette, *Probing Intermolecular Interactions in Liquid Crystalline Dibenzanthracenes*, Oral Presentation, 97th Canadian Society for Chemistry Conference and Exhibition, Vancouver, BC, June 1-5, 2014

K. E. Maly, J. A. Paquette, R. E. Yardley, E. Cieplechowicz, *Design and Synthesis of Liquid Crystalline Acenequinones*, Oral Presentation, 97th Canadian Society for Chemistry Conference and Exhibition, Vancouver, BC, June 1-5, 2014.

K. E. Maly, J. A. Paquette, K. M. Psutka, and C. J. Yardley, *Probing the Factors Influencing Self-Assembly in Discotic Liquid Crystals: Structure-Property Relationships in Dibenz[a,c]anthracenes*,

Oral Presentation, 96th Canadian Society for Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013.

K. E. Maly, J. A. Paquette, and R. E. Yardley, *New Liquid Crystalline Materials based on Acenequinone Materials*, Oral Presentation, 96th Canadian Society for Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013.

J. A. Paquette, K. M. Psutka, J. Williams, C. J. Yardley, and K.E. Maly, *Synthesis and Mesomorphic Properties of Hexaalkoxydibenz[a,c]anthracenes: Probing the Effects of Substituents on Mesomorphic Properties*, 24th International Liquid Crystals Conference, Mainz, Germany, August 19-24, 2012.

K. E. Maly, *A Comparison of the Packing of Polycyclic Aromatic Hydrocarbons and Their N-Heterocyclic Analogs: From Crystalline Solids to Liquid Crystalline Phases*, Poster Presentation, Gordon Research Conference. Crystal Engineering, Waterville Valley, NH, June 10-15, 2012.

K.E. Maly, *New Discotic Mesogens Derived from Dibenzanthracenes and Related Compounds: Establishing Structure-Property Relationships*, Oral Presentation, 95th Canadian Society for Chemistry Conference and Exhibition, Calgary, AB, May 26-29, 2012.

K.E. Maly, J. Paquette, K. Psutka, C. Yardley, J. Williams, M. Cochran, *Synthesis and Mesomorphic Properties of Novel Dibenz[a,c]anthracene Derivatives*, Oral Presentation, International Symposium on Novel Aromatic Compounds, Eugene, OR, July 24-29, 2011.

K. E. Maly, *Synthesis of New Discotic Mesogens Derived from Trinaphthylene and Dibenzanthracene*, Oral Presentation, Pacifichem, Honolulu, HI, December 15-20, 2010.

K.E. Maly, E. Gagnon, S. D. Halperin, V. Metivaud and J.D. Wuest; *Controlling Cohesion in Crystals of Hexaphenylbenzenes*, Poster Presentation, Gordon Research Conference, Crystal Engineering, Waterville Valley, NH, June 6-11, 2010.

K.E. Maly, S.D. Halperin, P.T. Lynett, and M.E. MacKinnon; *Synthesis of Novel Polycyclic Aromatic Hydrocarbons via Palladium-Catalyzed Aryne Cyclotrimerization*, Oral Presentation, 92nd Canadian Society for Chemistry Conference and Exhibition, Hamilton, ON, May30-June 3, 2009.

K.E. Maly and P. Lynett; *Synthesis and Characterization of Novel Discotic Mesogens Prepared via Aryne Cyclotrimerization*, Poster Presentation, 22nd International Liquid Crystals Conference, Jeju, Korea, June 29-July 4, 2008.

K.E. Maly; *Design and Synthesis of New Porous Materials: Three-Dimensional Macromolecular Networks Based on Covalent Self-Assembly*, Oral Presentation, 91th Canadian Society for Chemistry Conference and Exhibition, Edmonton, AB, May 24-28, 2008.

Maly, K.E., Gagnon, E., Maris, T., and J.D. Wuest ; *Engineering Crystalline Networks via Hydrogen Bonding of Hexaphenylbenzene Derivatives and Related Compounds*, Oral Presentation, 90th Canadian Society for Chemistry Conference and Exhibition, Winnipeg, May 26-30, 2007.

Funding (since 2006)

2020-2026 **NSERC Discovery Grant.** *Synthesis and Self-Assembly of New Polycyclic Aromatic Hydrocarbons.* ($145K over five years – extended one year), PI

2023-2024	**CFI/ORF John Evans Leaders Fund**, Powder X-Ray Diffractometer for Next Generation Materials, ($199,527), Lead Applicant, with Co-applicants L. Dawe and V. Kitaev.
2019	**Laurier Category A: Research Grant**, *Investigation of New Luminescent Compounds as Sensors for Biological Molecules* ($15K), PI
2018	**NSERC PromosScience.** Aquatic Science Outreach Network for the Grand (AquaSONG) ($6.5 K), Co-PI with G. Braun.
2018	**NSERC Research Tools and Instruments.** X-Ray Diffractometer Commissioning for Molecular Characterization ($148K), Co-Investigator with M. D. Suits (PI) and for others
2017	**CFI/ORF John Evans Leaders Fund**. Green Methods for the Preparation of New Materials ($40K), Co-Investigator with L. Dawe
2015-2020	**NSERC Discovery Grant.** *New Materials Based on the Self-Assembly of Polycyclic Aromatic Hydrocarbons.* ($175K over five years), PI
2015	**Laurier Category B: Equipment Grant** ($10.5K), PI
2011-2016	**Ontario Ministry of Research and Innovation Early Researcher Award**. *Synthesis and Characterization of New Self-Assembled Organic Molecular Materials from Aromatic Building Blocks* ($150K over five years), PI
2011-2014	**American Chemical Society Petroleum Research Fund Undergraduate Research Grant**. *Synthesis of Novel Polycyclic Aromatic Hydrocarbons Derived from Benzotriphenylene* ($65K over three years), PI
2010-2015	**NSERC Discovery Grant**, *Organic Materials via Self-Assembly* ($150K over five years) PI
2013	**Laurier Undergraduate Research Assistantship Grant** ($5K)
2012	**Laurier Conference Travel Grant** ($1.5K)
2010	**Laurier Conference Travel Grant** ($1.5K)
2009	**Ichikizaki Award for Young Chemists**, *International Conference Travel Award* ($2.8K)
2008-2009	**Research Corporation Cotrell Science College Award**, *Synthesis of New Nonplanar Polycyclic Aromatic Hydrocarbons* ($33K over two years)
2008	**Ichikizaki Award for Young Chemists**, *International Conference Travel Award* ($3K))
2008	**Laurier Conference Travel Grant** ($1.5K)
2008	**CFI/ORF Leaders Opportunity Fund**, *Thermal Characterization of New Organic Materials* ($107K)
2007-2010	**NSERC Discovery Grant**, New Materials via Dynamic Covalent Self-Assembly ($76K over three years)
2007	**NSERC Research Tools and Intruments**, Polarized Optical Microscopy with Heating Stage ($39K))
2007	**Wilfrid Laurier University Short Term Research Grant**, Reactions Inside Crystals ($3K)
2006	**Wilfrid Laurier University Start-Up Funds**

Graduate Supervision

2025-	Junior Dhindsa (MSc)	*Synthesis of Novel Luminescent Compounds via Nucleophilic Aromatic Substitution*
2022-	Pedram Zand (PhD)	*Design and Synthesis of Novel Luminescent Heterocyclic Compounds via Nucleophilic Aromatic Substitution and Cross-Coupling*

		Reactions Thesis/Project Title: Design and Synthesis of Novel Luminescent Heterocyclic Compounds via Nucleophilic Aromatic Substitution and Cross-Coupling Reactions
2020-2024	Lavneet Kaur (MSc)	*The Design and Synthesis of New Materials using Nucleophilic Aromatic Substitution Reactions*
2019-2021	Joshua LeDrew (MSc)	*Utilization of the Yamamoto Cyclotrimerization Reaction Towards the Synthesis of Polycylic Aromatic Compounds*
2018-2023	Lana Hiscock (PhD) (co-supervisor: L. Dawe)	*Unexpected Ring Opening Reactions, Solid-State Structures, and Chemiluminescent Reaction: The Vibrant Chemistry of Dicyano-Substituted Arenes and Heteroacene Analogues*
2016-2018	Lana Hiscock (MSc) (co-supervisor: L. Dawe)	*Synthesis, Properties, and Solid-State Structures of a Series of 6,13-Dicyano-heteropentacene Analogues: Towards New Liquid Crystalline Materials*
2015-2017	Vanessa Bellemore (MSc)	*The Synthesis of Symmetric Polycyclic Aromatic Hydrocarbons and the Mesomorphic Properties of Their Brominated Derivatives*
2014-2018	Katie Psutka (PhD)	*The Effect of Oxidation, Thionation, and Dimerization on the Self-Assembly and Photophysical Properties of Novel Discotic Materials*
2013-2014	Aaron Howe (MSc cand.)	*Withdrawn*
2012-2014	Katie Psutka (MSc)	*Synthesis and Characterization of Columnar Mesophases of Novel Dibenzanthracenes and Their Donor-Acceptor Mixtures*
2010-2012	Joseph Paquette (MSc)	*Synthesis and Investigation of the Liquid Crystalline Properties of Polycyclic Aromatic Hydrocarbons*
2008-2010	Phillip Kerneghan (MSc)	*Microporous Organic Polymers: Synthesis and Post Synthetic Modifications*
2008-2011	Andrew Frank (MSc) (co-supervisor: V. Kitaev)	*Synthesis, Characterization and Applications of Silver, Gold-Palladium, Iron Oxyhydroxide, Magnetite and Cobolt Ferrite Nanostructures*

Graduate Advisory Committee

Kate Stephens (MSc Chemistry) 2025-
Jacob Speers (MSc Chemistry) 2024-
Salman Shaheen (MSc Chemistry) 2024-
Kaitlyn Brown (MSc Chemistry) 2023-2025
Starla Richardson (MSc Chemistry) 2023-2024
Delara Joekar (MSc Chemistry), 2020-2023
Nicole Ritter (PhD, Biological and Chemicals Sciences) 2015-2019
Patrick Campbell (MSc Chemistry) 2016-2021
Farah Ateeq (MSc Chemistry) 2015-2017
Tomendro Subedi (MSc Chemistry) 2013-2016
Nimer Murshid (MSc Chemistry) 2011-2013
Nicole Cathcart (MSc Chemistry) 2009-2011

Philip Scott (MSc Chemisty) 2008-2010

Undergraduate Supervision (CH490 Thesis Students)

2025-2026	Rylee Crego	*Synthesizing Covalent Organic Frameworks Using Nucleophilic Aromatic Substitution to Form Extended 3D Polymeric Networks*
2025-2026	Carter Saracuse	*Synthesis of Novel Heterocyclic Compounds via Nucleophilic Aromatic Substitution*
2024-2025	Junior Dhindsa	*Functionalization of Known Thermally Activated Delayed Fluorescent Compounds to Improve Water Solubility*
2024-2025	Andrew Paraninfo	*Incorporation of Fluorescent Units into Cyclotricatechylene and Cyclotriveratrylene Derivatives*
2024-2025	Arma Salanga	*Synthesis and characterization of N-hydroxypipecolic acid to boost plant immunity at elevated temperature in Arabidopsis thaliana*
2023-2024	Vishvam Patel	*Design and synthesis of series of luminescent N – carbazole substituted heteroacene derivatives for TADF applications*
2023-2024	Andrew Kinsman	*Synthesis of Emissive Chiral Heteroacenes via Nucleophilic Aromatic Substitution*
2023-2024	Sam Smith	*Pyridazinones as Building Blocks for Hydrogen-Bonded Organic Frameworks*
2022-2023	Madeleine Agostino	*Design and Synthesis of Novel Luminescent Phenoxazine Derivatives as Thermally Activated Delayed Fluorescent Materials*
2020-2021	Brayden Gander	*Tuning Solid-State Packing and Fluorescence Emissions through N-Aryl-Substitution of Heteroacene Analogs*
2020-2021	James Barber	*Synthesis and Self-Assembly of Novel Anthracene Derivatives*
2019-2020	Daniel Cuba Coltsmann	*Synthesis, Characterization, and Properties of Novel Functionalized Triphenylene-carboxydithioimides*
2018-2019	Joshua Ledrew	*Synthesis, Characterization, and Properties of Novel, Functionalized 6,13-bis(triisopropylsilyl)-tetrathienopentacenes*
2018-2019	Zachary Schroeder	*Synthesis and Characterization of Novel Polycyclic Aromatic Hydrocarbons via Yamamoto Coupling*
2017-2018	Kegan Moran	*Synthesis and Mesophase Characterization of Ethynyl-Substituted Hexaalkoxydibenzanthracenes*
2017-2018	Cassandra Neter	*Synthesis and Self-Assembly of Novel Dibenzanthracene Derivatives*
2016-2017	Anthony Antoniani	*Synthesis of Novel Thienopentacene Derivatives*
2016-2017	Neda Foroughian	*Synthesis of Alkoxyphenylethynyl Pentacenes as Potential Discotic Liquid Crystals*
2016-2017	Nicole LeGrow	*Synthesis and Self-Assembly of Novel Discotic Triphenylenes Bearing Imide Groups*

2015-2016	Michelle Michalski	*Synthesis and Characterization of Novel Dibenzanthracenequinones*
2014-2015	Michael Adamski	*Synthesis of Fused Six-Membered Ring Systems: Exploring the Cava Reaction*
2014-2015	Matthew Halloran	*Synthesis and Investigation of the Liquid Crystalline Properties of Tetrabenzopentacene Derivatives*
2014-2015	Bradley Merritt	*Synthesis and Characterization of Dibenzanthracene Amide Derivatives and an Investigation of Their Liqudi Crystalline Properties*
2013-2014	Rebecca Yardley	*Synthesis and Characterization of Novel Liquid Crystalline Dibenzopentacenes*
2013-2014	Brooke Raycraft	*Synthesis and Self-Assembly of Luminescent Tetraoxadicyanopentacenes*
2013-2014	Ed Cieplechowicz	*Synthesis and Characterization of Hexasubstituted Acenequinones*
2012-2013	Alyssa Schneider	*Synthesis of Novel Dibenzanthracene Derivatives and Characterization of their Liquid Crystalline Properties*
2012-2013	Danielle Ellis	*Synthesis of Heptiptycene Derivatives Containing an Extended Aromatic Center for Use in Host-Guest Chemistry*
2011-2012	Katie Psutka	*Synthesis and Characterization of Novel Penta-Substituted Dibenzanthracenes*
2011-2012	Michelle Flisar	*The synthesis and self-assembly of novel dibenzo[a,c]phenazines*
2010-2011	Joshua Williams	*Columnar Liquid Crystals: Synthesis and Characterization of Novel Hexa-Substituted Benzotriphenylenes*
2010-2011	Linsey Provost	*Porous Aromatic Frameworks Containing Fluorescent Pyrene Units*
2010-2011	Kyle Boniface	*Synthesis of nonplanar polycyclic aromatic hydrocarbons, and the exploration of their*
2009-2010	Caitlin Williamson	*9, 9'-Spirobifluorene as a Molecular Building Block for Microporous Organic Solids*
2009-2010	Jacob Rawski	*Oxidative catalysis by TiO_2 supported Au/Pd nanoparticles*
2009-2010	Tyler Peeters	*Novel Synthesis of Heptiptycene using Diels-Alder Reactions*
2009-2010	Melissa Cochran	*Towards the Synthesis of New Alkoxy-Substituted Hexabenzotriphenylenes and Hexaalkoxy-Substituted Benzotriphenylenes*
2008-2009	MarcMacKinnon	*Synthesis of Molecular Cages Through Reversible Imine Formation*
2008-2009	Shira Halperin	*Towards the Synthesis of Configurationally Stable Polycyclic Aromatic Hydrocarbons*
2007-2008	Philip Lynett	*Synthesis of New Discotic Liquid Crystals Derived from Trinapthylenes*

Scholarly Review Activity

Grant Review Activity

-Regular Reviewer for NSERC Discovery Grants (1-2 per year)
-Grant Evaluation Committee Member, FRQNT Team Grants (2008, 2011, 2013, 2015, 2018, 2020, 2021)
-National Science Centre of Poland, OPUS Grant (1)
-NSERC Strategic Grant (1)
-MITACS Accelerate Proposal (2)
-American Chemical Society Petroleum Research Fund New Directions Grant (2)
- FRQNT Samuel De Champlain du Conseil franco-québécois de coopération universitaire (CFQCU) Grant (1)
-Proposal Reviewer for Defence R&D Canada Technology Investment Fund (2)

External Examiner for MSc and PhD

Charley Garrard, York University, September 2025
Austin Che, PhD, University of Calgary, March 2025
Ying-Hsuan Liu, PhD, McGill University, November 2024
Maneesha Wijesundara, MSc, Brock University, May 2024
Anthony Jolly, PhD, Laval University, March 2024
Francis Buguis, PhD, Western University, October 2023
Kassandra Brick, MSc, Trent University, September 2023
Jonathan Cann, PhD, University of Calgary, March 2021
Farukh Ali, PhD, University of Guelph, October 2020
Dandan Miao, PhD, Laval University, October 2019
Banu Mudraboyina, PhD, Western University, May 2012
Himadri Kayal, PhD, University of Windsor, March 2012

Journal Peer Review (*ca.* 40 reviews in the past 5 years)

Referee for: *Chemical Communications*, *Canadian Journal of Chemistry*, *Journal of the American Chemical Society*, *Chemistry of Materials*, *Organic Letters*, ACS Omega, *CrystEngComm*, *Journal of Materials Chemistry*, *PNAS, Polymer Chemistry, Journal of Coordination Chemistry, Nature Communications, Molecules, Inorganic Chemistry, Chemistry, An Asian Journal, Dalton Transactions, Journal of Chemical Education, and Advanced Materials*

TEACHING

Graduate Courses

CH603	Aromatic Synthesis
CH685	Directed Studies in Chemistry - Synthesis of Complex Molecules
CH685	Directed Studies in Chemistry - Selected Topics in Organic Materials
CH600	Organic Chemistry IV: Advanced Organic Synthesis (concurrent with CH404)

Undergraduate Courses

CH110/120	Fundamentals of Chemistry
CH202/204	Organic Chemistry I: Fundamentals
CH203/205	Organic Chemistry II: Structure and Functional Group Chemistry
CH301	Organic Chemistry III: Synthetic Methods

CH303	Spectroscopic Methods in Organic Structure Elucidation
CH306	Modern Physical Organic Chemistry
CH390	Chemical Literature and Scientific Communication
CH404	Organic Chemistry IV: Advanced Organic Synthesis
CH495	Directed Studies: Synthesis of New Organic Materials
SC102	Essential Skills for Chemistry
SC201	Drugs, Dyes, and Displays

OTHER SERVICE

University Service

2024	Faculty Mentor, Office of Research Services Faculty Mentorship Program
2024	Member, AVP Enrollment Services and Registrar Search Committee
2023-	**Member, Wilfrid Laurier University Board of Governors**
2023	**Internal Reviewer, Cyclical Program Review for Geography and Environmental Studies**
2023	**Chair, Faculty of Science Merit Selection Committee**
2018-2019	Member, Vice President: Research Search Committee
2017-2019	Member, Centre for Women in Science Advisory Committee
2016-2017	Member, Dean of Graduate and Postdoctoral Studies Search Committee
2015-2016	Member, Teaching, Learning, Technology Steering Committee
2015-2016	Member, Vice-President: Research Search Committee
2014-2017	**Member, Senate**
2014-2017	**Member, Senate Academic Planning Committee**
2014-2016	Member, STEM Education Committee
2013-2014	Faculty Representative, Wilfrid Laurier University Joint Health and Safety Committee
2013-2017	Member of the Departmental Chemistry Education Committee
2012-2013	Chair, Teaching Large Classes/First Years Community of Practice
2010-2012	Member, Chemistry Part Time Appointment Committee
2011	Member, WLU NSERC Graduate Scholarship Selection Committee
2011	Member, Faculty of Science Student Award Committee
2009-2012	**Co-Chair, Wilfrid Laurier University Joint Health and Safety Committee**
2008-2010	Member, Wilfrid Laurier University Internal Grants Evaluation Committee
2008-2012	Member, Graduate Faculty Council
2008	IDEA Laurier Invited Speaker
2007-2010	Faculty Representative, Ontario Universities Fair
2008	Faculty of Science Scholarship Selection Committee
2007-2008	Faculty of Science, Gas Cylinder Storage Committee
2007-2010	STEP Faculty Advisor
2010	Member, Chemistry CAS Hiring Committee
2010	Coordinator for the Periodic Program Review for Chemistry
2008-2012	Co-op Faculty Advisor, Chemistry
2007-2012	Library Faculty Liaison, Department of Chemistry
2007-2012	Faculty Advisor, Laurier Chemistry Association
2006-2018	Departmental Appointments and Promotions Committee (DAPC)

External to University

2025-2026	Conference Organizing Committee Member, 30th International Conference on Liquid Crystals, June 2026
2022-2024	**Vice Chair, International Symposium on Novel Aromatic Compounds, August 11-16, 2024, Toronto**
2021-	**Chair, Materials Division of the Chemical Institute of Canada**
2021	**Conference Organizer, 49th Physical Organic Minisymposium, November 2021**
2018	Conference Organizing Committee Member, Southern Ontario Undergraduate Student Chemistry Conference, March 24th, 2018.
2017	**Conference Organizer, 45th Ontario Quebec Physical Organic Minisymposium, November 9-11, 2017.**
2017	Conference co-organizer, Crystal Engineering and Emerging Materials Workshop of Ontario and Quebec, May 26-28, 2017.
2016-2021	Chemical Institute of Canada Materials Division Executive, Member-at-Large
2015-2022	Board of Directors Member, Business Education Partnership, Waterloo Region
2012-2013	Canadian Society for Chemistry, Advocacy Panel Member
2011-2015	Participant in Virtual Researcher on Call (VROC) high school outreach program
2010-2011	Selection Panel Chair, Ontario Graduate Scholarships (OGS)
2010	Organizer, Symposium on Liquid Crystalline Materials, 93rd Canadian Society for Chemistry Conference and Exhibition, Toronto, ON.
2008	Selection Committee Member, Canadian Association for Graduate Studies CAGS-UMI Distinguished Dissertation Award
2008	Judge, 36th Southern Ontario Undergraduate Student Chemistry Conference (SOUSCC), Queen's University, Kingston, ON.
2007	Co-Organizer, 35th Physical Organic Minisymposium, Waterloo, ON
2007	Judge, Graduate Student Poster and Oral Presentation Competition, 90th Canadian Society for Chemistry Conference and Exhibition, Winnipeg, MB.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Canadian Society for Chemistry
American Chemical Society