Refereed Journal Articles


Dabiri, M.; Movahed, S. K.; MaGee, D. I. 2015. “One – pot Synthesis of 2, 4, 5-triaryl-1H-imidazole linked 1,4- Disubstituted 1, 2, 3-Triazoles Based on Merging a Multicomponent Condensation with Huisgen 1, 3-Dipolar Cycloaddition in Ionic Liquid”, *Research on Chemical Intermediates, 41*, 335-3347.


MaGee, D. I.; Bahramnejad, M.; Dabiri, M. 2013. “Highly Efficient and Eco-Friendly


**Refereed Conference Proceedings**


"Towards the Synthesis of Himachalene Sesquiterpenes of Pyrrhalta vaccinii (Fall) Leaf Beetle”, Jamie L. Frampton and David MaGee, 100’th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, May 28-June 1, Abstract # 628, 2017.


“Synthesis of a Model ABC-Tricyclic Core of Manzamine B”, Jordan Donahue, and David MaGee, 96’th Canadian Chemistry Conference and Exhibition, Quebec City, Quebec, Abstract # ORpos-OR3-1649, May 26 – 30, 2013.

“Putative Cuticular Contact Pheromone from the Parasitic Wasp Wroughtonia Occidentalis (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorn Beetle, Tetropium Fuscum (Coleoptera Cerambycidae); Structure and Synthesis”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, AIF Project Annual General Meeting, Fredericton, NB, April 30-31, 2013.

“Synthesis of the Known Emerald Ash Borer pheromone (3Z)-dodecen-12-olide”, Jordan Donahue, Peter J. Silk, Peter Mayo and David I. MaGee, AIF Project Annual General Meeting, Wolfville, NS, April 30-31, 2013.


“Unusual Homologous Allenes from the parasitic wasp Wroughtonia occidentalis (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, Tetropium fuscum (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, SERG International 2013 Workshop, Fredericton, NB, February 5-7, 2013.


“Unusual Homologous Allenes from the parasitic wasp Wroughtonia occidentalis (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, Tetropium fuscum (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, SERG International 2012 Workshop, Quebec City, QC, February 7-9, 2012.


“Synthesis of a Model ABC - Tricyclic Core of Manzamine B”, Jordan Donahue and David MaGee, 3’rd Natural Products Research Conference, St. John, NB, August 15-17, 2011.

“Contact pheromone and a short-range attractant of emerald ash borer, Agrilus planipennis”, Peter Silk, Krista Ryall, Matthew A. Lemay, Peter Mayo, Junping Wu, Jon Sweeney, David MaGee, Drew Pitt, Taylor Scarr, and D. Brian Lyons, ISCE meeting (oral), Tours, France, 2010.


“Beckmann Rearrangements of α, β-Unsaturated Ketones. Is Control of Bond Migration Possible", Elena McIntyre and David MaGee, 1’st Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 22, Aug. 20-23, 2010.

“[2+2]-Cycloadditions using an Auxilliary to control Facial Selectivity", Brittany Beattie and David MaGee, 1’st Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 5, Aug. 20-23, 2010.


“Chemistry and Mating Behaviour of Agrilus planipennis, emerald ash borer (Coleoptera: Buprestidae)” Peter Silk, Krista Ryall, Peter Mayo, Mathew A. Lemay, Jon Sweeney, D. Brian Lyons, Drew Pitt, and David MaGee, Entomological Society of America annual meeting, Indianapolis Dec, 2009.

“Identification of host attractants for the brown spruce longhorn beetle, Tetropium fuscum (F.) (Coleoptera: Cerambycidae)", Peter Silk, Jon Sweeney, Mathew. A. Lemay, Gaten LeClair, and David MaGee. 25'th Annual ISCE Meeting,

“The contact sex pheromone chemistry and behavior of Tetropium fuscum (F.) and Tetropium cinnamopterum (Kirby) (Coleoptera: Cerambycidae)” Peter Silk, Jon Sweeney, Junping Wu, S. Sopow, John Price, Peter Mayo, David Magee, Annual Meeting of the Entomological Society of America, Reno, Nevada, 18 November 2008.


"A 9,10-Dimethylanthracene Based Chiral 2-Oxazolidinone for use in Diastereoselective [4+3] Cycloadditions", P. D. Thornton and D. I. MaGee, Atlantic Student Chapter of the CIC Conference, Sir Wilfred Grenfell College, Memorial
University of Newfoundland, Corner Brook, Newfoundland and Labrador, May 16-18, 2003.


"Synthetic Studies on Manzamine. Diels–Alder Approach to the Pyrroloisoquinoline
Skeleton." D. I. MaGee and May Ling Lee, 79'th Canadian Society for Chemistry Conference and Exhibition, Memorial University, June 23-26, Abstract #306, 1996.

"Synthetic Studies Towards the Synthesis of Manzamine C", D. I. MaGee, E. Beck and M. Ramaseshan, 79'th Canadian Society for Chemistry Conference and Exhibition, Memorial University, June 23-26, Abstract #200, 1996.


"Ketenes: A Convenient Method for the Construction of Lactones", D. I. MaGee and L. Liang, 75th Canadian Chemical Conference and Exhibition, Edmonton,
Alberta, Canada (Abstract #588), May 31-June 4, 1992.
"New Strategy for Cyclization-O-Functionalization of 5-8-Membered Carbocyclic Rings",

Direction of Graduate Students

Ph.D.

M.Sc.
2019.
Thalie Boucher, "Unusual Homologous Allenes from the Parasitic Wasp Wroughtonia occidentalis (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, Tetrápium fuscum (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry", September 2011 – October 2015.

Direction of Undergraduate Students


Jamie Frampton, “Investigation and Evaluation of Different Synthetic Route to the Himachalene Sesquiterpenes”, January 2017 - April 2017, Chemistry BSc.

Jamie Frampton, “Investigation and Evaluation of Different Synthetic Route to the Himachalene Sesquiterpenes”, September 2016 - December 2016, Chemistry BSc.


Laura Demerchant, "Mono-acylation of Symmetrical Diols", May 2016 - August 2016, Chemistry BSc Honours.


Jillian McNally, "Intramolecular Diels-Alder of an acyclic nitroalkene for the synthesis of the manzamince A, B, C-ring core", September 2015 – April 2016, BSc Honours.


Meghan McKinley, "Intramolecular Diels-Alder reaction of a Cyclooctene derivative", September 2015 – April 2016, BSc Honours.


Courtney Granter, "The Nazarov Cyclization as a Method of Producing Cyclopentenone Derivatives in Natural Product Synthesis", September 2014 – April 2015, BSc Honours.


Jonathan Cann, "The Use of Meldrums acid in Ketene cyclizations", January 2014 – April 2014, BSc Honours.

Madeleine Adam, "Rearrangement of macrocyclic N-hydroxyamides: A question of regiochemistry", September 2013 – April 2014, BSc Honours.


Jonathan Cann, "The Use of Meldrums acid in Ketene cyclizations", September 2013 – December 2013, BSc Honours.

Madeleine Adam, "Synthesis of an Emerald Ash Borer Pheromone Analogue", May 2013 – August 2013, NSERC USRA.

Elias Oussedik, “Towards the Investigation of Thioketenes and Their Use in Heterocyclic Reactions”, September 2012 – April 2013, BSc Honours.


Brandon Leblanc, "Determination and Attempted Resolve of the Synthetic Error Occurring in the Synthesis of a Ketoacid From Cyclododecanone", January 2012 – April 2012, BSc Honours.

Rob Walton, "Synthesis of tert.-Leucine via the Leuckart Type Reaction and Strecker Reaction", January 2012 – April 2012, BSc Honours.


Elena McIntyre, "Investigations on the Beckman rearrangement of cyclic enones", May 2010 – August 2010, NSERC USRA.


Katelyn Mathers, "Use of Meldrums Acid as a Ketene Precursor for the Construction of Lactones ", May 2009 – August 2009, NSERC USRA.


BSc Honours.


Maggie Hood, "Asymmetric Deprotonation of [3.2.1]-Bicyclic Ketones and Hydrazones", May 2007 – August 2007, NSERC USRA.

Heidi Mills, "Insect Pheromones: Development of a Large Scale Route to Optically Enriched Fuscomol", May 2007 – August 2007, NSERC USRA.


Marijana Eic, "Development of an Asymmetric [4+3]-Cycloaddition Strategy",


