

MIRIAM LEAH DIAMOND - CURRICULUM VITAE

A. BIOGRAPHICAL INFORMATION

1. PERSONAL

Name: **Miriam Leah Diamond**

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Citizenship: Canadian

2. DEGREES

B.Sc., 1976, Biology, University of Toronto, Toronto, Ontario

M.Sc., 1980, Zoology, University of Alberta, Edmonton, Alberta
“Plumage variability in redpolls (*Carduelis flammea* and *C. hornemanni*, L): A test of Rohwer's status signalling hypothesis”.
Thesis supervisor: W.A. Fuller.

M.Sc.Eng., 1984, Mining Engineering, Queen's University, Kingston, Ontario
“An environmental investigation of the Kognak River at Cullaton Lake Gold Mine”.
Thesis supervisor: J.A. Meech

Ph.D., 1990, Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, Ontario
“Modelling the fate and transport of arsenic and other inorganic chemicals in lakes”.
Thesis supervisor: D. Mackay

3. EMPLOYMENT

- 2012-present Associate Editor, *Environmental Science and Technology*
- 2012-present Professor, University of Toronto, Department of Earth Sciences
- 2012-present Cross-appointed to School of the Environment
- 2010-present Cross-appointed to Department of Physical and Environmental Sciences, University of Toronto at Scarborough
- 2003-present Cross-appointed, University of Toronto, Dalla Lana Faculty of Public Health Sciences
- 2007-2012 Cross Appointed to Centre of the Environment
- 2007-2008 Research Director, Centre for Environment
- 2002-2012 Professor, University of Toronto, Department of Geography
- 2001-2002 Acting Director, Collaborative Program in Toxicology, Institute for Environmental Studies
- 1997-2002 Associate Professor, University of Toronto, Department of Geography.
- 1997-present Member, School of Graduate Studies.
- 1999-2003 Associate, Center for Environmental Research, Education and Training, University of Maryland, Baltimore County
- 1993-1997 Assistant Professor, University of Toronto, Department of Geography.
- 1992-present Cross-appointed Professor, Department of Chemical Engineering and Applied Chemistry.
- 1995-1997 Public Health Associate, City of Toronto Department of Public Health.
- 1991-1993 Assistant Professor, University of Toronto, Innis College and Department of Geography.
- 1990-1991 Research Associate, University of Toronto, Institute for Environmental Studies.
- 1990 Post-Doctoral Fellow, University of Toronto, Institute for Environmental Studies.
- 1989 Lecturer, University of Toronto, Institute for Environmental Studies.
- 1985-present Consultant, Self-Employed:
- California Air Resource Board, review of proposal for diesel fuel additive 2010.
 - Lake Onondaga Review panel, 2007-present.
 - Environment Canada, 2004.
 - United States Environmental Protection Agency, 2003.
 - CH2M Hill, Subcontractor for Carson River Superfund Site, 2000-2003.
 - Expert witness, Ontario Municipal Board Hearing, Oak Ridges Moraine, 2001-2002.
 - Health Promotion and Environmental Protection Office, City of Toronto, 2000-2001.
 - Environment Canada, National Water Research Institute, 1998-1999.
 - Environment & Ecology, Inc., Technical Advisor and subcontractor for Carson River Superfund Site, Spring 1993-1998.
 - Minnesota Pollution Control Agency, 1993-1994, 1995-1996.
 - Technical advisor to project funded by the Ontario Min of the Environment, Bay of Quinte RAP, 2001-2003.
 - Ontario Ministry of Environment, Water Resources Branch, 1989-1990.
 - City of Toronto, Environmental Protection Office, 1990, 1991.
 - Environment Canada, National Water Research Institute, 1989-1990.
 - Environment Canada, National Water Research Institute, 1989.
 - Environment Canada, Inland Waters Directorate April-June, 1988.
 - Federal Department of Energy, Mines and Resources, Canada Centre for Remote Sensing, 1985.
- 1984 Limnologist, Ontario Ministry of Natural Resources, Ontario Geological Survey, Geophysics/Geochemistry Section, Toronto, Ontario.

Maternity leaves Sept to Dec 1991, and Feb to May 1995.

Sabbatical leaves January to December 1998, July to Dec 2002, July 2008 to June 2009.

4. HONOURS AND AWARDS

- 2014 Visiting Scientist, Stockholm University, Department of Applied Environmental Science.
2011 INNOLEC Science Guest Chair in Chemistry, Masarykova Univerzita, Czech Republic.
2010 Fellow of the Royal Geographical Society
2007 Canadian Environmental Scientist of the Year, Royal Canadian Geographical Society.
2005 Joseph R. Meyerhoff Visiting Professorship. Weizmann Institute, Israel.
1999-02, 04, 05 Dean's Excellence Award, Faculty of Arts and Science, University of Toronto
1999 2003 Premier's Research Excellence Award, Province of Ontario.
1990 Ontario Ministry of the Environment Excellence in Research Award to Students.
1989-1990 George Burwash Langford Prize for distinctive contributions to environmental research and services to the Institute for Environmental Studies.
1988 John Brown Memorial Prize for Research in Environmental Science and Occupational Health, University of Toronto.
1981-1982 Max Bell Scholarship for Northern Studies, McGill University.
1976 Innis College Medal.

5. PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Current Memberships:

Society of Environmental Toxicology and Chemistry
American Chemistry Society
International Association for Great Lakes Research
Canadian Association on Water Quality

Activities:

- 2014- Binational Chemicals of Mutual Concern Identification Task Team (ITT) under the Annex 3 of the Great Lakes Water Quality Agreement
2013-2016 Member, Canadian Chemicals Management Plan Science Committee
2013- Member, The Anthropocene Project: Anthropocene Curriculum. Sponsored by Haus der Kulturen der Welt (HKW) in cooperation with the Max Planck Society, Deutsches Museum, the Rachel Carson Center for Environment and Society, and the Institute for Advanced Sustainability Studies.
2012-2013 Co-chair, Ontario Ministry of Environment, "Toxics Reduction Program Living List Multi-Stakeholder Group" (part of activities under the Toxic Reduction Act)
2011 Member, US EPA Science Advisory Board Panel, Review of Technical Support Document, "National-scale Mercury Risk Assessment Supporting the Appropriate and Necessary Finding for Coal- and Oil-Fired Electric Generating Units.
2010-2011 ILSI Risk 21 Project, Working Group on Exposure Science. Sponsored by HESI.
2010-2011 Member, Committee on Blue Water Navy Vietnam Veterans and Agent Orange Exposure. National Academies, Institute of Medicine, U.S. May 2010-June 2011.
2009- , Member, Board of Directors, Canadian Environmental Law Association
2009 US EPA, Review Panel Member, Environmental Sciences Division, May 2009, Las Vegas, Nevada
2008 Co-chair, Toxics Reduction Scientific Expert Panel.
2007-2010 Co-chair, Organizing committee, Annual conference of the International Association of Great Lakes Research held in Toronto May 2010
2007-2011 Member, Science Advisory Board of the International Joint Commission
2006-2013 Member, Canadian Environmental Assessment Agency, Review Panel for Participant Funding Program.
2007-2008 Member, Health-Environment Linkages Expert Panel organized by Statistics Canada

- 2006-2007 Member, Environmental Assessment Working Group sponsored by Health Canada and Environment Canada
- 2006-2011 Member, Editorial Advisory Board, *Environmental Science and Technology*
- 2006-2008 Member of review panel, Water Quality Model of Onondaga Lake.
- 2006 Panel member, Science Advisory Board, U.S. Environmental Protection Agency. Review of EPI Suite models.
- 2005-2008, Member, Board of Directors, Canadian Environmental Law Association
- 2003-2005 Member of local organizing committee, Dioxin 2005. International Conference held in Toronto August 2005.
- 2003-2006 Physical Environment Research Interest Group Director, Centre for Urban Health Initiatives, 6 year support from Canadian Institutes for Health Research.
- 2003 Review committee, Lake Ontario Mass Balance Project
- 2000-2001 Hearing of the Ontario Municipal Board, Oak Ridges Moraine. Expert witness for Save the Rouge Inc.
- 2001-2003 Executive Committee, Board of Society of Environmental Toxicology and Chemistry
- 2000-2003 Board member of Society of Environmental Toxicology and Chemistry
- 1998-2000 Member of Expert Resource Group, for review of Copper and Zinc Smelting Guidelines, Canadian Environmental Protection Act, Environment Canada.
- 1998-2000 Member of Peer Review Panel of Hudson River PCBs RI/FS Phase 2 Reports, Preliminary Model Calibration Report. Sponsored by U.S. EPA.
- 1998-2001 Member of Steering Committee, "How Healthy is the Moira?". In conjunction with the Frost Centre and Environment and Resource Management Dept. of Trent University.
- 1998-2001 Member of Science Review Panel, Lake Michigan Mass Balance Model Project. Sponsored by U.S. EPA.
- 1997-2000 Member of Publications Committee, International Association for Great Lakes Research
- 1996-present Member of Working Group on Fate and Exposure Modeling sponsored by SETAC.
- 1996 Invited participant in 26th Pellston Workshop "Reassessment of Metals Criteria for Aquatic Life Protection: Priorities for Research and Implementation", Society of Environmental Toxicology and Chemistry, Pensacola, Florida, Feb 10-14, 1996.
- 1994-1999 Associate Editor of *Water Quality Research Journal of Canada*.
- 1994-1998 Vice-Chair, Canadian Standards Association Committee on Life Cycle Impact Assessment of Pulp & Paper Production Phase.
- 1993-1994 Member of Working Group on Site Remediation, Waterfront Regeneration Trust.
- 1993-1994 Member of Technical Advisory Committee, International Association of Great Lakes Research.
- 1992 Invited participant in "ASEAN Conference on Women and Technology", CIDA, Bangkok, Thailand.
- 1991-2001 Board Member of the Canadian Environmental Law Association.
- 1991-1992 Member of "Gender, Science and Development", international working group of IFIAS.

B. ACADEMIC HISTORY

6. a. RESEARCH ENDEAVORS

Fate and transport of inorganic and organic contaminants in the environment.

1. Fate of contaminants in lakes.
 - a. Field, experimental and mass balance modelling analysis of the fate and transport of arsenic in Moira Lake, focusing on role of contaminated sediments and sediment-water exchange processes.*
 - b. Experimental analysis of chemical sediment-water exchange and sorption processes.*

- c. Field and experimental analysis of trace metal fate and sediment-water exchange in urban aquatic systems, e.g., stormwater detention ponds.*
 - d. Mass balance modelling of mercury fate in lakes (Great Lakes, shield lakes), and contaminated systems (Lahontan Reservoir, Nevada).*
 - e. Mass balance modelling of contaminants in Arctic and Subarctic lakes and food webs.*
 - i. Collaborator in the Amituk Lake Project, Northern Contaminants Program of the Arctic Environmental Strategy, Dept. of Indian Affairs and Northern Development (1993-1995).*
 - ii. Fate of organic contaminants and mercury in lakes and food webs of the Upper Yukon River Basin and lakes on Bear Island, arctic Norway.*
 - iii. Collaborator in Bear Island (Norway) Project, lake and food web modeling*.
 - iv. Measurement of current use chemicals in Arctic air and water
 - f. Mass balance modelling of contaminants and polyunsaturated fatty acids in Great Lakes and food webs, “Areas of Concern” Bay of Quinte, Hamilton Harbour and Spanish Harbour, and Lake Winnipeg. Contributor to development of Remedial Action Plans (RAPs) and Lake Wide Management Plans (Lake Erie, Lake Ontario).
 - g. Coupling our multispecies mass balance model with chemical speciation-complexation and toxicity models.
2. Fate of contaminants in urban areas.
 - a. Determining ambient concentrations and fate processes of semi-volatile organic contaminants (and metals*) in urban media, including development of analytical methods and event-based sampling of urban streams
 - b. Developing Multimedia Urban Model (MUM) with application to Toronto. Includes spatial and temporal resolution, merging air dispersion module, linkage to GIS.
 - c. Exploring the composition, rate of accumulation, chemical exchange rates, and effects on overall contaminant fate, of thin films on impervious surfaces.*
 3. Fate of contaminants in indoor environments and human exposure.
 - a. Measurement of indoor concentrations and fate of semi-volatile organic compounds, notably halogenated and organophosphate flame retardants, phthalates and PAH.
 - b. Development of Multimedia Indoor Model or MIM.
 - c. Development of indoor passive air sampling methods.
 4. Contaminated site remediation*
 - d. Evaluating environmental and health impacts of site remediation processes.*
 - e. Life-cycle assessment, developing a method to evaluate impacts of site remediation processes. In collaboration with Environmental Protection Office, City of Toronto. *

Exposure and Health Effects of Contaminants in the Environment

5. Evaluating potential health effects
 - a. Collaboration on the toxicology of complex mixtures from urban areas.*
 - b. Development of integrated ecological and human health risk assessment models for the estimation of the effects of urban contaminants.*
 - c. Balancing potential health benefits and risks from omega 3-fatty acids and contaminants in fish.
6. Estimating human exposure
 - a. Estimating human exposure to indoor.
7. Urban agriculture*
 - a. Evaluating health benefits and potential risks from urban agriculture, e.g., Kampala Uganda, Toronto, Ontario.*
8. Life Cycle Assessment
 - a. See 4f.

- b. Within Life Cycle Impact Assessment, development of characterization factors for metals including fate and effects modelling (related to 1g)

Chemical Management

9. Quantifying inventories and Material Flow Analysis of regulated chemicals (PCBs, PBDEs).
10. Analysis of policies, legislation and regulations related to chemical management, as well as flammability codes and standards.
11. Measurement and estimation of physical-chemical properties of semi-volatile organic compounds of concern
12. Planetary Boundary for Chemical Pollution.
13. Chemical Footprint

* Currently inactive

6. b. RESEARCH AWARDS AND CONTRACTS

Awards:

- 2014-2015 NSERC Equipment Grant, “Chemical analysis of semi-volatile organic compounds in outdoor and indoor environments” \$150,000. With G Evans, J Wallace, J Siegel.
- 2014-2016 Chemical Management Plan (CMP) of Health Canada and Environment Canada. CMP Monitoring and Surveillance Fund. Monitoring Organophosphorus Flame Retardants in Canadian homes. M Diamond, L Jantunen, S Harris. \$100,000 over 2 years.
- 2014-2017 Health Canada. Clean Air Regulatory Agenda (CARA) “Monitoring and modelling of residential indoor semi volatile organic compounds.” S Harris (Cancer Care Ontario), Miriam Diamond, Paul Villeneuve (Health Canada), Liisa Jantunen (Environment Canada), \$507,100 over 3 years split between University of Toronto and Cancer Care Ontario
- 2013-2015 Ontario Ministry of Environment “Characterizing organophosphorus flame retardants in the air and surface water of the Greater Toronto Area”, ML Diamond with P Helm (Ontario Ministry of Environment), L Jantunen (Environment Canada), \$59,280 over 2 years.
- 2013-2014 CIHR Catalyst Grant. “Early-life environment and chronic allergic disease: leveraging a prospective study to discover the epigenetic signature.” AK Ellis (Queen’s), ML Diamond, JR Brook (Environment Canada), MS Kobor (University of British Columbia), ML North (Queen’s), \$100,000 for 1 year. My share is 31%.
- 2013-2014 Health Canada “Passive air sampling and personal monitoring for semi-volatile organic compounds” ML Diamond, \$9999.
- 2013-2014 Northern Contaminants Program. Dept of Aboriginal Affairs and Northern Development. Polycyclic aromatic compounds, flame retardants and other persistent organic pollutants in Canadian Archipelago air and water. \$33,000 for 1 year. L. Jantunen PI. 5 investigators.
- 2012-2013 Health Canada, “Multimedia Indoor Model, literature search and beta version of model”, \$9 360 for 1 year.
- 2012-2013 Health Canada, “Passive air sampling and personal monitoring for semi-volatile organic compounds”, \$10,000 for 1 year.
- 2012-2013 International Aluminum Institute, “Freshwater Ecotoxicity Characterization Factor for Aluminum – Addressing effects of speciation on fate, exposure & toxicity in Life Cycle Impact Assessment”, \$69,000 for 1 year.
- 2012-2015 NSERC Accelerator award, \$40,000/yr for 3 years.
- 2012-2017 NSERC Discovery, "Emissions, fate, exposure and management of chemical

- contaminants indoors, outdoors and globally." \$34,000/yr.
- 2012-2019 Industry Canada, AllerGen Network Centre of Excellence, \$36,500,000. J Denburg PI.
- 2011-2012 Great Lakes Research Initiative, funded by the U. S. Environmental Protection Agency. "Great Lakes Polybrominated Diphenyl Ether (PBDE) Institutional Reduction". A. Soehl, M. Diamond, M. Murray. \$65,000 to Diamond as subcontractor.
- 2011-2012 Health Canada, Sources, "Concentrations and Route of Exposure to New Flame Retardants", M. Diamond \$24,499 for 1 year.
- 2011-2012 AllerGen NCE, Strategic Initiatives Research Funding Opportunities Program. "Method for measuring phthalate concentrations representative of exposure". M. Diamond, J. Brook, T. Takaro, A. Wheeler, \$32,900 for 1 year.
- 2009-2012 Hudson Bay Mining and Smelting "Assessment of metal dynamics and ecotoxicity in Ross Lake (MB, Canada) using a coupled metal fate/transport, speciation toxicity (TRANSPEC-Tox) model", M Diamond, \$64,818 total.
- 2011 Environment Canada "Reconnaissance study of coal tar sealcoat application in the GTA and an estimate of related PAH emissions". M Diamond, \$22,000 for 1 year.
- 2010-2012 Great Lakes Commission, Great Lakes Atmospheric Deposition program "How effective are our chemical management policies in reducing Lake Ontario fish contaminant burdens?" M Diamond, P Helm, S. Backus, L Jantunen, M Shoeib \$90,000 US over 3 fiscal years.
- 2010-2011 Ontario Ministry of Environment, Canada-Ontario Agreement, "Determination of Contaminant Loadings from Toronto's Tributaries", M Diamond, \$36,000 over 2 years
- 2010 Canada Foundation for Innovation. "The Canadian Aerosol Research Network (CARN): Climate, air pollution and human health in 2020", J. Abbott, G. Evans et al., \$15148327.
- 2009-2011 Canadian Chemical Management Plan, through Health Canada, via AllerGen Network Centre of Excellence "Novel Approaches for Assessing Exposure to Phthalates" R Allen, M Brauer, J Brook, M Diamond, G Evans, T Takaro \$702,426 over 2 years.
- 2009-2010 Ontario Ministry of Environment "Determination of the relative importance of urban contaminant input pathways to Lake Ontario for selected contaminants", M Diamond, \$50,000.
- 2008-2010 Ontario Ministry of Environment "The testing, optimization and validation of an in-situ large volume surface water sampling device" M. Diamond, \$50,000.
- 2008-2013 CIHR Emerging Collaborative Grant "Santé tenant compte du genre et du sexe", D Mergler, E Balka, K Lippel, K Messing, SA Ritz, J Saint-Charles, M Diamond et al. \$1 million over 5 years.
- 2007-10 NSERC Collaborative Research & Development Grant "LCIA for metals: Improving toxicity characterization factors and applying it to the Canadian environmental context", M Diamond, D Mackay, \$144,985 over 3 years.
- 2007-09 Great Lakes Commission, Great Lakes Atmospheric Deposition program "Urban sources and loadings of toxics to Lake Ontario from an Integrated Measurements and Modelling Approach", M Diamond, P Helm, P Blanchard, S. Backus, \$149,450 US over 2 years.
- 2007-2012 NSERC Discovery, "Connecting chemical sources, emissions, fate and exposure", \$31,090/yr.
- 2006 Environment Canada, National Water Research Institute "Modeling the distribution and fate of pharmaceuticals in Hamilton Harbour", M Diamond \$10,000.
- 2006-09 SETAC-UNEP "Improvement of characterisation factors in Life Cycle Impact Assessment of ecotoxicity (Fate – Exposure – Effects)", M Diamond, D Van De Meent, et al. \$265,500 over 3 years.
- 2005-06 Health Canada "Contaminant and nutrient concentrations in specialty raw and cooked fish and shellfish", \$20,000.
- 2004-06 Environment Canada "Cities: Contaminant fate and effects" M Diamond, \$18,000.

- 2005-06 Toronto and Region Conservation Authority “Toronto tributary study”, \$30,000.
- 2005-06 Ontario Ministry of Environment “Toronto tributary study, pilot study”. \$50,000.
- 2005 Ontario Ministry of Environment “Modelling of polychlorinated naphthalenes in the Lake Ontario food web”, \$9000.
- 2004-05 Ontario Ministry of Environment “Mass balance modelling of metals in Spanish Harbour”, \$27,000.
- 2004-05 Ontario Ministry of Environment “Mass balance modelling of PCBs in Hamilton Harbour”. \$57,000.
- 2004 NSERC Research Tools and Instruments “Analysis of persistent organic pollutants in impacted systems by GC-MS”. \$113,564.
- 2004-2008 CIHR Research Centre Grant “Centre for Urban Health Initiatives”, \$400,000 per year for 6 years. J. Myles PI, Co-applicant.
- 2004-2006 CORILA (Consortium for Coordination of Research Activities Concerning the Venice Lagoon System) “Contaminant fate in the Venice Lagoon: development of an integrated fate model”. 30,000 Euros per year for 3 years.
- 2004-2006 Quinte Conservation Council “Updating the existing model of contaminant fate in the Bay of Quinte”, \$65,000.
- 2003 Ontario Ministry of the Environment “Review of mercury modelling work drafted for contaminated sediment conditions in Peninsula Harbour”. \$10,000.
- 2003-2007 NSERC Discovery Grant “Multimedia contaminant fate and effect in impacted systems”, \$26,500 per year for 4 years.
- 2003 Canadian Network of Toxicology Centres, Metals in the Environment (MITE), “Modelling of Metal Speciation and Movement in a Shield Watershed and Lake”, with G. Spiers (Laurentian University), \$11,000.
- 2002-2006 NSERC Strategic, “Cities: Contaminant fate and effects”, \$411,218 over 4 years, with Co-investigators B. Branfireun and T. Harner.
- 2002-2005 CRESTech, “Contaminant fate and effects in urban areas: development of a decision-support model”, \$150,000 over 3 years.
- 2002-2003 NSERC, Collaborative Research and Development Grant, “Development of a lake systems fate model”, \$17,392 per year for 2 years, with MDA Consulting.
- 2002-2005 CIDA, “Urban agriculture in Kampala, Uganda – health impact assessment and options for improvements”, \$150,000, Prain G, Cole, DC, Lee-Smith D, Diamond M, Kapinga R.
- 2001-2004 CFCAS, “Improvements to air quality models: airborne pollutant-surface film interactions.” \$320,000 total over 3 years, James Donaldson, PI (UofT Chemistry) and Paul Makar (Environment Canada).
- 2001-2002 Canadian Chlorine Coordinating Committee (C4), “Sources and fate of semi-volatile organic compounds in urban and surrounding areas.” \$78,500 total, with G.A. Stern, Freshwater Institute.
- 2000-2002 NSERC, Collaborative Research and Development Grant, “Modelling metal speciation and fate in mine impacted lakes”, \$26,087 per year for 2 years, with L. Evans, Univ. of Guelph.
- 2000-2002 Hudson Bay Mining and Smelting Co. Limited, “Modelling metal speciation and fate in mine impacted lakes”, \$15,000 per year for 2 years, with L. Evans, Univ. of Guelph. \$10,000 in 2002.
- 2000 NSERC Equipment Grant, Gas chromatograph with ECD/FID detector, \$47,195.
- 1999-2004 Premier’s Research Excellence Award, \$20,000 per year for 5 years.
- 1999-2002 Toxic Substances Research Initiative, “Urban air toxics: Source signature and health effects”, \$148,750 per year for 3 years, PI, with B. McCarry (McMaster), T. Harner, T. Bidleman and T. Dann (Environment Canada), P. Harper (Hospital for Sick Children).
- 1999-2003 NSERC Operating Grant, “Multimedia contaminant fate and dynamics in impacted

- systems”, \$17,850 per year for 3 years.
- 1999 NSERC Equipment Grant, Hydrolab Datasonde 4 (with K. Bolton, J. Desloges, B. Branfireun), \$18,776.
- 1999 Dean’s Instructional Initiative Grant, “Development of innovative teaching methods for non-science students”, \$1,000.
- 1999-2001 Canadian Network of Toxicology Centres, Metals in the Environment (MITE), “Modelling of Metal Speciation and Movement in a Shield Watershed and Lake”, with L. Evans (Univ of Guelph), \$56,500 per year.
- 1995-2000 NSERC Operating Grant, “Contaminant fate and dynamics in aquatic systems”, \$14,300 per year.
- 1998-2000 Canadian Chlorine Coordinating Committee, “Multimedia fate and toxicological impacts of chlorinated organic compounds in urban areas”, \$49,500 per year for 2 years, PI, with McCarry (McMaster), Muir (National Water Research Institute), Stern (Freshwater Institute), Harper (Hospital for Sick Children).
- 1999-2002 Minnesota Department of Transportation “Developing a decision tool to predict the ecotoxicological impacts of transportaiton-related chemicals”, \$US100,000 per year for 3 years, with co-PI D. Biesboer (University of Minnesota).
- 1998-1999 Canadian Network of Toxicology Centres, Metals in the Environment (MITE), “Modelling of Metal Speciation and Movement in a Shield Watershed and Lake”, \$6,133.
- 1998-1999 Department of Indian and Northern Affairs, “Contaminant dynamics in lakes of the Upper Yukon River Basin”, \$15,000.
- 1995-1997 Ontario Ministry of Environment & Energy, “Full cycle assessment of environmental and health impacts of site remediation options”, \$50,000.
- 1995-1996 Ontario Ministry of Environment & Energy, “Quantifying chemical release from in-place pollution”, \$18,000.
- 1995-1997 Friends of the Spanish River, “Spanish Harbour sediment mass balance study - enhanced application of the QWASI fugacity/aquivalence model”, \$25,000
- 1993, 94, 97 Department of Indian and Northern Affairs, student travel grant, \$1,500; \$2,000, \$1900,
98 \$2200.
- 1993 Dean’s Instructional Initiative Grant, “Development of environmental science curriculum for non-science students”, \$1,000.
- 1993 NSERC Equipment Award to J. Desloges (V.R. Timmer, J. Gerits, M. Diamond).
- 1993 Ontario Ministry of the Environment, “Hamilton Harbour sediment mass balance study: enhanced application of the QWASI fugacity/aquivalence model”, \$10,000.
- 1992-1997 Department of Indian and Northern Affairs, “Modelling inorganic and organic contaminants in Arctic freshwater lakes”, 1992, \$22,000; 1993, \$23,000; 1994 \$28,000; 1995 \$9,000; 1996, \$24,000, 1997 \$20,000.
- 1992-1995 NSERC Operating Grant, “Study of the fate and transport of contaminants in aquatic systems”, \$19,000 per year.
- 1992, 1993 Environmental Youth Corps, \$4,000 each year, 1993 jointly held with E. Fawcett, Dept. of Physics.
- 1991-1993 Connaught Fund, University of Toronto, Phase I New Staff Grant, \$10,000.

Contracts:

- 2014 Environment Canada and Health Canada, Chemical Management Plan. “Review of Draft Screening Assessment Report from the Petroleum Sector Stream”
- 2006-07 Toronto Public Health and International Joint Commission. “Review of air pollution-traffic-health connections”, \$4,500.
- 2004 Environment Canada “Review of mercury contamination in Peninsula Harbour”, \$22,000.

- 2003 United States Environmental Protection Agency, “Guidance document on ecological risk assessment for metals: metal sediment chemistry”. \$2,000.
- 2002 International Joint Commission, “Forecast and analysis of urban development in the Great Lakes Basin”, \$5,000 for our subcontract with GHK International.
- 2001 Bay of Quinte Conservation Authority, Bay of Quinte Remedial Action Plan, “Assessing the feasibility of updating the Bay of Quinte mass balance model”, \$10,000.
- 2001 Environment Canada, “Analysis of Urban Development Impacts”, \$5,000.
- 2001-2002 CH2M Hill, Sacramento, California, “Lahontan Reservoir Mercury Project”, \$46,900
- 2000-2001 City of Toronto, Health Promotion and Environmental Protection, “Conducting a feasibility study for an environmental GIS for the City of Toronto”, \$16,500.
- 1998-1999 National Water Research Institute, “Lake Erie LaMP Pollutant Modelling - Background Review”, \$20,000.
- 1995-1997 Ecology & Environment Inc., “Development of mercury mass balance model for the Lahontan Reservoir, Nevada”, \$US20,000
- 1993-94,95-96 Minnesota Pollution Control Agency, “Extension of the Minnesota fugacity/aquivalence model to treat multiple, interconverting species”, US\$11,950; US\$5,000.
- 1991 City of Toronto, Environmental Protection Office, Assist with development of methodological for constructing historical landuse database, \$3,000. Contract held with S. MacRitchie.
- 1990 City of Toronto, Environmental Protection Office, “Review of potential environmental and health effects of site remediation technologies”, \$5,000. Contract held with S. MacRitchie.
- 1989-90,90-91 Ontario Ministry of the Environment, “Development of a mass balance model for the Bay of Quinte”, \$37,000, \$28,000. Contract held with D. Mackay, Institute for Environmental Studies, U of T.
- 1989,1990 Environment Canada, National Water Research Institute, “Review and modelling of sediment-water exchange processes”, \$6,000, \$12,000.
- 1988 Environment Canada, Inland Waters Directorate “Assessing the feasibility of using evaluative models in the development of Canadian Sediment Quality Guidelines”, \$5,000. Contract held with T. Clark, MCM Consulting.

C. SCHOLARLY AND PROFESSIONAL WORK

H Index of 29, Total Citations 2707 (Web of Science,30 April, 2014 excluding self-citations).

7. REFEREED PUBLICATIONS

7. a. Articles

103. POSTUMA L, A BJØRN, MC ZIJP, M BIRKVED, **ML DIAMOND**, MZ HAUSCHILD, MAJ HUIJBREGTS, C MULDER, D VAN DE MEENT. 2014. Beyond safe operating space: Finding chemical footprinting feasible. *Environ Sci Technol* 48(11): 6057-6059. DOI: 10.1021/es501961k

102. NORTH ML, TK TAKARO, **ML DIAMOND**, AK ELLIS. 2014. Effects of phthalates on the development and expression of allergic disease and asthma. *Annals of Allergy, Asthma & Immunology*. 112(6): 496-502. DOI: 10.1016/j.anai.2014.03.013

101. BROMMER S, JANTUNEN L, BIDLEMAN TF, HARRAD S, **DIAMOND ML**. 2014. Determination of vapor pressures for organophosphate esters. *J Chem Eng Data*. 59(5): 1441-1447. DOI: 10.1021/je401026a10.1021/je401026a In press.

100. MELYMUK L, M ROBSON, SA CSISZAR, PA HELM, G KALTENECKER, B GILBERT, S BACKUS, L BRADLEY, P BLANDARD, L JANTUNEN, **ML DIAMOND**. 2014. From the city to the lake: loadings of PCBs, PBDEs, PAHs and PCMs from Toronto to Lake Ontario. *Environ Sci Technol* 48(7): 3732–3741.
99. GANDHI N, **ML DIAMOND**, R RAZAVI, SP BHAVSAR, EM HODGE, SB GEWURTZ, GB ARHONITSIS. 2014. A modeling assessment of contaminant fate in the Bay of Quinte, Lake Ontario: 2. Organic chemicals. *Aquatic Ecosys Health Management* 17(2): 137-150. DOI: 10.1080/14634988.2014.910442
98. CSISZAR SA, **ML DIAMOND**, SM DAGGUPATY. 2014. The magnitude and spatial range of current-use urban PCB and PBDE emissions estimated using a coupled multimedia and air transport model. *Environ Sci Technol* 48:1075-1083.
97. MELYMUK* L, M ROBSON+, PA HELM, **ML DIAMOND**. 2013 Application of land use regression to identify sources and assess spatial variation in urban SVOC concentrations. *Environ Sci Technol*. 47(4): 1887-1895. <http://pubs.acs.org/doi/abs/10.1021/es3043609>
96. PANTAZOPOULOS P, JM SAWYER*, ME TURYK, **M DIAMOND**, SP BHAVSAR, D MERGLER, S SCHANTZ, N RATYNAYAKE, DO CARPENTER. 2013. Fatty acids in Great Lakes trout and whitefish. *J Great Lakes Res* 39: 120-127.
95. RYAN MJ, KA KIDD, MV CROFT, S GEWURTZ*, **M DIAMOND**, L KINNEAR, P ROACH. 2013. Biotic interactions in temporal trends (1992-2010) of organochlorine contaminants in the aquatic food web of Lake Laberge, Yukon Territory. *Sci Total Environ* 44:80-92.
94. RAWN DFK, K BREAKELL, V. VERIGIN, S A TITTELMIER, L DEL GOBBO*, **M DIAMOND**, L VANDERLINDEN, D. SIT. 2013. Impacts of cooking technique on polychlorinated biphenyl and polychlorinated dioxins/furan concentrations in fish and fish products with intake estimates. *J Agric Food Chem* 61: 989-997. <http://pubs.acs.org/doi/abs/10.1021/jf304010n>
93. CSISZAR* SA, SM DAGGUPATY, **ML DIAMOND**. 2013. SO-MUM: a coupled atmospheric transport and multimedia model used to predict intraurban-scale PCB and PBDE emissions and fate. *Environ Sci Technol*.47: 436-445. <http://pubs.acs.org/doi/ipdf/10.1021/es3033023>
92. MELYMUK* L, M ROBSON+, PA HELM, **ML DIAMOND**. 2012. PCBs, PBDEs and PAHs in Toronto air: spatial and seasonal trends and implications for contaminant transport. *Science of the Total Environment* 429: 272-280. doi:10.1016/j.scitotenv.2012.04.022
91. CSISZAR* SA, **ML DIAMOND**, LJ THIBODEAUX. 2012. Modeling urban films using a dynamic multimedia fugacity model. *Chemosphere*. 87: 1024-1031.
90. TURYK ME, SP BHAVSAR, W BOWERMAN, E BOYSEN, M CLARK, **ML DIAMOND**, D MERGLER, P PANTAZOPOULOS, S SCHANTZ, DO CARPENTER. 2012 Risks and benefits of consumption of Great Lakes fish. *Environ Health Persp* 120: 11-18. doi:10.1289/ehp.1003396
89. KLÁNOVÁ J, **M DIAMOND**, K JONES, G LAMMEL, R LOHMANN, N PIRRONE, M SCHERINGER, C BALDUCCI, T BIDLEMAN, KAREL BLÁHA, L BLÁHA, K BOOIJ et al. 2011. Identifying the research and infrastructure needs for the global assessment of hazardous chemicals ten years after establishing the Stockholm Convention. *Environ Sci Technol* 45(18): 7617-7619.

88. GANDHI* N, SP BHAVSAR*, **ML DIAMOND**. 2011. Critical load analysis in hazard assessment of metals using a unit lake model. *Environ Toxicol & Chem* 30(9): 2157–2166.
87. GANDHI* N, **ML DIAMOND**, MAJ HUIJBREGTS, J GUINEE, WJGM PEIJNENBURG, D VAN DE MEENT. 2011. Implications of considering metal bioavailability in estimates of freshwater ecotoxicity: Examination of two case studies. *Int J LCA* 16(8): 774-787. DOI:10.1007/s11367-011-0317-3.
86. ZHANG* X, M ROBSON+, **ML DIAMOND**, C IBARRA, SJ HARRAD. 2011. Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) indoors in Toronto: concentrations, air/dust distribution, sources and emissions. *Environ Sci Technol* 45: 3268-3274.
85. MELYMUK* L, M ROBSON+, **ML DIAMOND**, L BRADLEY, S BACKUS. 2011. Wet deposition loadings of organic contaminants to Lake Ontario: assessing the influence of precipitation from urban and rural sites. *Atmos Environ.* 45(28): 5042-5049. DOI: 10.1016/j.atmosenv.2011.02.007
84. CSISZAR* S, N GANDHI*, R ALEXY, DT BENNIE, J STRUGER, C MARVIN, **ML DIAMOND**. 2011. Equivalence revisited – an activity based model to assess environmental behaviour of ionic compounds and its application to pharmaceuticals in Hamilton Harbour. *Environment International* 37(5): 821-828.
83. GANDHI* N, **DIAMOND ML**, RAZAVI* R, BHAVSAR* SP, HODGE* EM. 2011. A modeling assessment of contaminant fate in the Bay of Quinte, Lake Ontario: 1. Metals. *Aquatic Ecosystem Health and Management*. 14(1):85-93.
82. MELYMUK* L., M. ROBSON+, P. HELM, **M.L. DIAMOND**. 2011. Evaluation of passive air sampler calibrations: selection of sampling rates and implications for the measurement of persistent organic pollutants in air. *Atmos Environ.* 45(10):1867-1875.
81. GANDHI* N, M HUIJBREGTS, D VAN DE MEENT, W PEIJNENBURG, J GUINEE, E WEBSTER, D MACKAY, **ML DIAMOND**. 2011. Implications of geographic variability on estimating comparative toxicity potentials of Cu, Ni and Zn in freshwaters of Canadian ecoregions. *Chemosphere* 82(2):268-77.
80. GANDHI* N, **ML DIAMOND**, D VAN DE MEENT, M HUIJBREGTS, A DE KONING J GUINEE, W PEIJNENBURG. 2010. A new method for calculating metals' comparative toxicity potentials for freshwater ecotoxicity: application to copper, nickel and zinc. *Environ Sci Technol.* 44(13):5195-5201.
79. ROBSON+ M, L MELYMUK*, S CSISZAR*, A GIANG*, **ML DIAMOND**, PA HELM. 2010. Continuing sources of PCBs: the significance of building sealants. *Environ Internat* 36:506-513.
78. HARRAD S, C DE WIT, M A-E ABDALLAH, C BERGH, JA BJ BJORKLUND, A COVACI, PO DARNERUD, J DE BOER, **M DIAMOND**, S HUBER, P LEONARDS, M MANDALAKIS, C OSTMAN, LS HAUG, C THOMSEN, TF WEBSTER. 2010. Indoor contamination with hexabromocyclodecanes, polybrominated diphenyl ethers, and perfluoroalkyl compounds: an important exposure pathway for people? *Environ Sci Technol.* 44(9):3221-3231.
77. **DIAMOND ML**, MELYMUK*, L., S. CSISZAR*, M. ROBSON+. 2010. Estimatio of PCB stocks,

emissions and urban fate: will our policies be effective? *Environ Sci Technol* 44(8):2777–2783.

76. SOMMERFREUND* J, **ML DIAMOND**, M FRIGNANI, G CAPODAGLIO, M GERINO, L BELLUCI, S GIULIANI, C MUGNAI+. 2010. Contaminant fate and transport in the Venice Lagoon: results from a multi-segment model. *Environ Ecotox Safety*. 73: 222-230. “Highlighted Article”

75. SOMMERFREUND* J, GB ARHONDITSIS, **ML DIAMOND**, M FRIGNANI, G CAPODAGLIO, M GERINO, L BELLUCCI, S GIULIANI, C MUGNAI+. 2010. Examination of the uncertainty in contaminant fate and transport modeling: a case study in the Venice Lagoon. *Environ Ecotox Safety*.73:231-239. “Highlighted article”

74. **DIAMOND ML**, GANDHI* N, WJ ADAMS, SP BHAVSAR, C BULLE, P CAMPBELL, A DUBREIL, A FAIRBROTHER ET AL. 2010. The Clearwater Consensus: The estimation of metal hazard in fresh water. *Internat J LCA* 15(2): 143-147. DOI 10.1007/s11367-009-0140-2

73. DEL GOBBO* L, ARCHBOLD J, ECKLEY C, ROBSON+ M, **DIAMOND M**, VANDERLINDEN L. 2010. Mercury and Omega-3 fatty acid concentrations of fish sampled from markets in Toronto: consumption scenarios balancing risks and benefits for childbearing women. *Can J Dietetic Practice and Res*. 71(1): 41-46.

72. GEWURTZ SB, SP BHAVSAR, PW CROZIER, **ML DIAMOND**, PA HELM, CH MARVIN, EJ REINER. 2009. Perfluoroalkyl contaminants in window film from Toronto, Ontario, Canada, and an assessment of carpet as a possible source. *Environ Sci Technol*. 43:7317-7323.

71. HARRAD S, C IBARRA, M ROBSON+, L MELYMUK*, X ZHANG*, **M DIAMOND**, J DOUWES. 2009 Polychlorinated biphenyls in indoor dust from Canada, New Zealand, United Kingdom and United States: implications for human exposure. *Chemosphere*. 76(2):232-238.

70. ZHANG* X., **ML DIAMOND**, SJ HARRAD, C IBARRA. 2009. Multimedia modeling of PBDE emissions and fate indoors. *Environ Sci Technol* 43(8): 2845-2850.

69. WONG* F, ROBSON+ M, **ML DIAMOND**, S HARRAD, J TRUONG+. 2009. Concentrations and chiral signature of POPs in soils and sediments: a comparative urban vs. rural study in Canada and UK. *Chemosphere* 74: 404-111.

68. GEWURTZ* SB, N GANDHI*, GN CHRISTENSEN, A EVENSET, D GREGOR, **ML DIAMOND**. 2009. Application of a food web model to determine the relative influence of lake morphology, nutrients, and contaminant loadings on the dynamics of polychlorinated biphenyls in a high arctic food web. *Environ. Sci. Pollut. Res*. 16(2):176-190.

67. DEL GOBBO* L, TITTEMIER S, PEPPER K, TAGUE B, VANDERLINDEN L. **DIAMOND, M**. 2008. Cooking reduces perfluorinated compound concentrations in fish. *J Agricult Food Chem*. 56(16):7551-7559.

66. ECKLEY CS, B BRANFIREUN, **M DIAMOND**, PC VAN METRE, F HEITMULLER. 2008. Atmospheric mercury accumulation and washoff processes on impervious urban surfaces. *Atmos Environ* 42:7429-7438.

65. WU* R, T HARNER, **ML DIAMOND**. 2008. Evolution rates and PCB content of surface films that develop on impervious urban surfaces. *Atmos. Environ*. 42(24):6131-6143.

64. WU* RW, T HARNER, **ML DIAMOND**, B WILFORD. 2008. Partitioning characteristics of PCBs in urban surface films. *Atmos. Environ.* 42(22):5696-5705.
63. BHAVSAR SP, N GANDHI, **ML DIAMOND**, AS LOCK, G SPIERS, MC ALFARO DE LA TORRE. 2008. Effects of estimates from different geochemical models on metal fate predicted by coupled speciation-fate models. *Environ. Toxicol. Chem.* 27(5):1020-1030.
62. HARRAD S, C IBARRA, **M DIAMOND**, L MELYMUK*, M ROBSON+, J DOUWES, L ROOSENS, AC DIRTU, A COVACI. 2008. Polybrominated diphenyl ethers in domestic indoor dust from Canada, New Zealand, United Kingdom and United States. *Environ Internat.* 34: 232-238.
61. ABDALLAH MA-E, S HARRAD, C IBARRA, **M DIAMOND**, L MELYMUK*, M ROBSON+, A COVACI. 2008. Hexabromocyclododecanes in indoor dust from Canada, the United Kingdom and the United States. *Environ. Sci. Technol.* 42(2):459-464.
60. BHAVSAR* SP, N GANDHI*, **ML DIAMOND**. 2008. Extension of coupled multispecies metal transport and speciation (TRANSPEC) model to soil. *Chemosphere* 70(5):914-924.
59. GANDHI* N, S BHAVSAR*, **ML DIAMOND**, JS KUWABARA, M MARVIN-DIPASQUALE. 2007. Development of mercury speciation, fate and bioaccumulation (BIOTRANSPEC) model: application to the Lahontan Reservoir. *Environ. Toxicol. Chem.* 26(11): 2260-2273.
58. MOREAU-GUIGON E, A MOTELAY-MASSEI, T HARNER, K POZO, **M DIAMOND**, M CHEVREUIL, H BLANCHOUD. 2007. Vertical and Temporal Distribution of Persistent Organic Pollutants in Toronto. 1. Organochlorine Pesticides. *Environ Sci Technol* 41(7):2172-2177.
57. ARCHBOLD* JA, R HULL, **ML DIAMOND**. 2007. Potential importance of inhalation exposures for wildlife using screening-level ecological risk assessment. *Human Ecol. Risk Assess.* 13(4):870-883.
56. **DIAMOND ML**, EM HODGE*. 2007. From source to effect: urban contaminant dynamics. *Environ. Sci Technol.* Feature article. 41(11): 3796-3805.
55. GALARNEAU* E, PA MAKAR, M SASSI, **ML DIAMOND**. 2007. Estimation of atmospheric emissions of six semivolatile PAHs in Canada and the U.S.A. by use of an emissions processing system. *Environ. Sci. Technol.* 41:4205-4213.
54. KWAMENA N-O, JP CLARKE*, TF KAHAN, **ML DIAMOND**, DJ DONALDSON. 2007. Assessing the importance of heterogeneous reactions of polycyclic aromatic hydrocarbons in the urban atmosphere using the Multimedia Urban Model. *Atmos. Environ.* 41(1):37-50.
53. GEWURTZ* SB, N GANDHI*, GA STERN, WG FRANZIN, B ROSENBERG, **ML DIAMOND**. 2006. Dynamics of PCBs in the food web of Lake Winnipeg. *J. Great Lakes Res.* 32:712-727.
52. GANDHI* N, S BHAVSAR*, SB GEWURTZ*, **ML DIAMOND**, A EVENSET, GN CHRISTENSEN, D GREGOR. 2006. Development of a multi-chemical food chain model: application to PBDE in Lake Ellasjoen, Bear Island, Norway. *Environ. Sci. Technol.* 40:4714-4721.

51. NABULO G, H ORYEM-ORIGA, **M DIAMOND**. 2006. Assessment of lead, cadmium and zinc contamination of roadside soils, surface films and vegetables in Kampala City, Uganda. *Environ. Res.* 101:42-52.
50. KLEIN G, EM HODGE*, **ML DIAMOND**, T DANN, G STERN, MS DENISON, P HARPER. 2006. Gas-phase ambient air contaminants exhibit significant dioxin- and estrogen-like activity in vitro. *Environ Health Perspec.* 114(5): 697-703.
49. HARNER T, M SHOEIB, **M DIAMOND**, M IKONOMOU, G STERN. 2006. Passive sampler derived air concentrations of PBDEs along an urban-rural transect: spatial and temporal trends. *Chemosphere* 64:262-267.
48. HARRAD SJ, **ML DIAMOND**. 2006. Exposure to polybrominated diphenyl ethers (PBDEs) and polychlorinated diphenyls (PCBs): Current and future scenarios. *Atmos. Environ.* 40:1187-1188.
47. GEWURTZ* SB, R LAPOSA*, **ML DIAMOND**, N GANDHI*, GN CHRISTENSEN, T SKOTVOLD. 2006. A comparison of contaminant dynamics in arctic and temperate fish: a modelling approach. *Chemosphere* 63:1328-1341.
46. SIMPSON AJ, B LAM*, **ML DIAMOND**, DJ DONALDSON, B LEFEBVRE, A MOSER, A WILLIAMS, N LARIN, M KVASHA. 2005. Assessing the molecular composition of urban surface films through a symbiotic array of nuclear magnetic resonance approaches. *Chemosphere.* 63(1):142-152.
45. JONES-OTAZO* H, **ML DIAMOND**, M RICHARDSON. 2005. An international comparison of screening-level risk assessment approaches. *Risk Analysis.* 25(4): 841-853.
44. LAM* B, **ML DIAMOND**, AJ SIMPSON, PA MAKAR, J TRUONG+, NA HERNANDEZ-MARTINEZ*. 2005. Chemical composition of surface films and implications for atmospheric chemistry. *Atmos. Environ.* 39: 6578–6586.
43. MOTELAY-MASSEI A, T HARNER, M SHOEIB, **M DIAMOND**, G STERN, B ROSENBERG. 2005. Using passive air samplers to assess urban-rural trends for persistent organic pollutants and polycyclic aromatic hydrocarbons. 2. Seasonal trends for PAHs, PCBs, and organochlorine pesticides. *Environ. Sci. Technol.* 39:5763-5773.
42. JONES-OTAZO* H, JP CLARKE*, **ML DIAMOND**, JA ARCHBOLD*, G FERGUSON, T HARNER, MG RICHARDSON, JJ RYAN, B WILFORD. 2005. Is house dust the missing exposure pathway for PBDEs? An analysis of urban fate and human exposure to PBDEs. *Environ. Sci. Technol.* 39: 5121-5130.
41. RAYNE S, MG IKONOMOU, CM BUTT*, **ML DIAMOND**, J TRUONG+. 2005. Chlorinated dioxins and furans from the World Trade Center attacks contaminated Lower Manhattan. *Environ. Sci. Technol.* 39:1995-2003.
40. **DIAMOND ML**, SP BHAVSAR*, P HELM, G STERN, M ALAEE. 2005. Fate of organochlorine contaminants in arctic and subarctic lakes. *Sci. Total Environ.* 342(1-3):245-259.
39. RYAN ML, GA STERN, **M. DIAMOND**, MV CROFT, P ROACH, K KIDD. 2005. Temporal trends of organochlorine contaminants in burbot and lake trout from three selected Yukon lakes. *Sci. Total Environ.* 342:501-522.

38. HARNER T, M SHOEIB, **M DIAMOND**, G STERN, ROSENBERG. 2004. Using passive air samplers to assess urban-rural trends for persistent organic pollutants (POPs): 1. Polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs). *Environ. Sci. Technol.* 38:4474-4483.
37. BHAVSAR* SP, **ML DIAMOND**, N GANDHI*. 2004. Dynamic coupled metal TRANSPort-SPECiation (TRANSPeC) model: application to assess a zinc contaminated lake. *Environ Toxicol Chem.* 23:2410-2420.
36. BUTT* CM, **ML DIAMOND**, J TRUONG+, MG IKONOMOU, PA HELM, GA STERN. 2004. Semi-volatile organic compounds in window films from Lower Manhattan after the September 11th WTC attacks. *Environ Sci Technol.* 38(13):3514-3524.
35. BHAVSAR* SP, **ML DIAMOND**, LJ EVANS, N GANDHI*, J NILSEN, P ANTUNES. 2004. Development of a coupled metal speciation-fate model for surface aquatic systems. *Environ. Toxicol. Chem.* 23:1376-1385.
34. WONG* F, T HARNER, Q-T LIU, **ML DIAMOND**. 2004. Using experimental and forest soils to investigate the uptake of polycyclic aromatic hydrocarbons (PAH) along an urban-rural gradient. *Environ. Pollut.* 129:387-398.
33. BUTT* CM, **ML DIAMOND**, J TRUONG+, MG IKONOMOU, AFH TER SCHURE. 2004. Spatial distribution of polybrominated diphenyl ethers in southern Ontario as measured in indoor and outdoor window organic films. *Environ Sci Technol* 38:724-731.
32. GEWURTZ* SA, **ML DIAMOND**. 2003. Distribution and burdens of bioaccumulative contaminants in the Lake Erie food web: A review. *Environ Rev.* 11:141-160.
31. HODGE* EM, **ML DIAMOND**, BE MCCARRY, GA STERN, PA HARPER. 2003. Sticky windows: Chemical and biological characteristics of the organic film derived from particulate and gas-phase air contaminants found on an urban impervious surface. *Archiv. Environ. Contam. Toxicol.* 44:421-429.
30. LIU+ Q-T, R CHEN, BE MCCARRY, **ML DIAMOND**, B BAHAVAR+. 2003. Characterization of polar organic compounds in the organic film on indoor and outdoor building glass windows. *Environ. Sci. Technol.* 37:2340-2349.
29. LIU+ Q-T, **ML DIAMOND**, SE GINGRICH*, JM ONDOV, P MACIEJCZYK, GA STERN. 2003. Accumulation of metals, trace elements and semi-volatile organic compounds in films on an urban impervious surface. *Environ. Pollut.* 122:51-61.
28. HELM* PA, **ML DIAMOND**, R SEMKIN, B STRACHAN, C TEIXEIRA, D GREGOR 2002. A mass balance model describing the multi-year fate of organochlorine compounds in a high arctic lake. *Environ. Sci. Technol.* 36:996-1003.
27. PRIEMER* DA, **ML DIAMOND**. 2002. Application of the Multimedia Urban Model to compare the fate of SOCs in an urban and forested watershed. *Environ. Sci. Technol.* 36:1004-1013.
26. BIDLEMAN TF, AD LEONE, RL FALCONER, T HARNER, LMM JANTUNEN, K WIBERG, PA HELM, **ML. DIAMOND**, B LOO. 2002. Chiral pesticides in soil and water and exchange with the

atmosphere. *The Scientific World* 2:357-373.

25. LAW* S, PA HELM, **ML DIAMOND**, L JANTENUN, TF BIDLÉMAN, M ALAEE. 2001. Factors affecting the occurrence and enantiomeric degradation of hexachlorocyclonexane isomers in northern and temperate aquatic systems. *Environ. Toxicol. Chem.* 20(12):2690-2698.

24. GINGRICH* SE, **ML DIAMOND**, GA STERN, BE MCCARRY. 2001. Atmospherically derived organic surface films along an urban-rural gradient. *Environ. Sci. Technol.* 35:4031-4037.

23. **DIAMOND ML**, DA PRIEMER*, NL LAW*. 2001. Developing a multimedia model of chemical dynamics in an urban area. *Chemosphere* 47:1655-1667.

22. **DIAMOND M**, M GANAPATHY*, S PETERSON, C MACH. 2000. Mercury dynamics in the Lahontan Reservoir, Nevada: Application of the QWASI fugacity/aquivalence multispecies model. *Water Air Soil Pollut.* 117: 133-156.

21. **DIAMOND ML**, S GINGRICH*, K FERTUCK*, BE MCCARRY, G STERN, B GRIFT, B BILLECK, G TOMY, D BROOKER, TD YAGER. 2000. Evidence for an organic film on an urban impervious surfaces: characterization and potential teratogenic effects. *Environ. Sci. Technol* 34:2900-2908.

20. MACDONALD R, LA BARRIE, TF BIDLÉMAN, **ML DIAMOND**, DJ GREGOR, RG SEMKIN, WMJ STRACHAN, YF LI, F WANIA, M ALAEE, LB ALEXEEVA, SM BACKUS, R BAILEY, JM BEWERS, C GOBEIL, CJ HALSALL, T HARNER, R HOFF, LM. JANTUNEN, WL LOCKHART, D MACKAY, DCG. MUIR, J PUDYKIEWICZ, KJ RIEMER, JN SMITH, GA STERN, WH SCHROEDER, R WAGEMANN, MB YUNKER. 2000. Arctic contaminants: Five years of progress in understanding sources, occurrence and pathways. *Science of the Total Environment.* 254:2-3:93-234.

19. HELM* PA, **ML DIAMOND**, R SEMKIN, TF BIDLÉMAN. 2000. Enantioselective degradation as a loss mechanism in the fate of α -hexachlorocyclohexane in arctic watersheds. *Environ. Sci. Technol.* 34(5):812-818.

18. **DIAMOND ML**. 1999. Development of a fugacity/aquivalence model of mercury dynamics in lakes. *Water Air and Soil Pollution.* 111:337-357.

17. **DIAMOND ML**, CA PAGE+, M CAMPBELL, S MCKENNA, R LALL. 1999. Life-cycle framework for assessment of site remediation options: Method and generic survey. *Environ. Toxicol.Chem.* 18(4):788-800.

16. PAGE+ CA, **ML DIAMOND**, M CAMPBELL, S MCKENNA. 1999. Life-cycle framework for assessment of site remediation options: Case study. *Environ. Toxicol. Chem.* 18(4):801-810.

15. LAW* N, **ML DIAMOND**. 1998. The role of organic films and its effect on hydrophobic organic compound distribution in urban areas: An hypothesis. *Chemosphere* 36:2607-2620.

14. **DIAMOND ML**, CA PAGE*, M CAMPBELL, S MCKENNA 1997. Life cycle framework for assessment of site remediation options: Investigation of six remedial options. Proceedings of Air & Waste Management Assoc. 90th Annual Meeting, Toronto, Ontario.

13. FREITAS* H, **M DIAMOND**, R SEMKIN, D GREGOR. 1997. Contaminant fate in high Arctic

lakes: development and application of a mass balance model. *Science of the Total Environment* 201:171-187.

12. HELFIELD* JM, **ML DIAMOND**. 1997. Use of constructed wetlands for urban stream restoration: a critical analysis. *Environmental Management*. 21(3):329-341.

11. **DIAMOND ML**, HW LING-LAMPRECHT*. 1996. Loadings, dynamics and response time of seven metals in Hamilton Harbour: results of a mass balance study. *Water Quality Res. J. Canada*. 31(3): 623-641.

10. FAYE* MS, **ML DIAMOND**. 1996. The role of phytoplankton in the removal of arsenic by sedimentation from surface waters. *Hydrobiologia* 324: 117-123.

9. **DIAMOND ML**, D MACKAY, DJ POULTON, FA STRIDE. 1996. Assessing chemical behavior and developing remedial actions using a mass balance model of chemical fate in the Bay of Quinte. *Water Research* 30(2):405-421.

8. CAMPBELL M, S MACRITCHIE, **M DIAMOND**, S MCKENNA. 1995. A framework for assessing environmental and health concerns associated with site remediation technologies. *Environ. Health Rev.* 39(2): 32-37.

7. **DIAMOND ML**. 1995. Application of a mass balance model to assess in-place arsenic pollution. *Environ. Sci. Technol.* 28(1): 29-42.

6. **DIAMOND ML**, D MACKAY, DJ POULTON, FA STRIDE. 1994. Development of a mass balance model of the fate of 17 chemicals in the Bay of Quinte. *J. Great Lakes Res.* 20: 643-666.

5. MACKAY D, S SANG, P VLAHOS, **M DIAMOND**, F GOBAS, D DOLAN. 1994. A rate constant model of chemical dynamics in a lake ecosystem: PCBs in Lake Ontario. *J. Great Lakes Res.* 20: 625-642.

4. LING* H, **M DIAMOND**, D MACKAY. 1993. Application of the QWASI fugacity/aquivalence model to assessing the fate of contaminants in the water and sediments of Hamilton Harbour. *J. Great Lakes Res.* 19: 582-602.

3. **DIAMOND ML**, D MACKAY, PM WELBOURN. 1992. Models of multi-media partitioning of multi-species chemicals: the fugacity/aquivalence approach. *Chemosphere* 25 (12):1907-1921

2. **DIAMOND ML**, D MACKAY, RJ CORNETT, L CHANT. 1990. A model of the exchange of inorganic chemicals between water and sediments. *Environ. Sci. Tech.* 24: 713-722.

1. MACKAY D, **ML DIAMOND**. 1989. Application of the QWASI (Quantitative Water Air Sediment Interaction) fugacity model to the dynamics of organic and inorganic chemicals in lakes. *Chemosphere* 18(7-8): 1343-1365.

7. b. Chapters

16. THIDOBEAUX, L. and **M.L. DIAMOND**. 2010. Chemodynamics of films on impervious surfaces: data and modelling. In: L. Thibodeaux and D. Mackay (Eds) *Handbook of Mass Transfer Coefficients*.

Taylor & Francis.

15. HODGE, E. and **M. DIAMOND**. 2009. Sources, fate and effects of contaminant emissions in urban areas. In: S.J. Harrad (Ed.) *Persistent Organic Pollutants: Current Issues and Future Challenges*, Wiley, Chichester, UK, 2009.

14. **DIAMOND, M.** and S. HARRAD. 2009. The chemicals that will not go away: implications for human exposure to reservoirs of POPs. In: S.J. Harrad (Ed.) *Persistent Organic Pollutants: Current Issues and Future Challenges*, Wiley, Chichester, UK, 2009.

13. NABULO, G., H. ORYEM-ORIGA, G. NASINYAMA, D.C. COLE, **M. DIAMOND**. 2008. Assessment of heavy metal contamination of food crops in wetlands and from vehicles. In: *Healthy city harvests: generating evidence to guide policy on urban agriculture*. Cole, D.C., Lee-Smith, D., Nasinyama, G.W. (Eds). International Potato Center, CIP/Urban Harvest and Makerere University Press, Lima Peru. pp. 111-131.

12. **DIAMOND, M.L.** AND G. ARHONDITSIS. 2008. Chapter 6. Making sense of past, present and future systems – mathematical modelling. In: *Student Projects in Environmental Science*. S. J. Harrad, L. Batty, M. Diamond and G. Arhonditsis.(Eds.) Wiley. West Sussex, England.

11. Peters, A., Adams, W.J., Diamond, M.L., Davison, W., Di Toro, D.M., Doyle, P.J., Mackay, D., Nriagu, J., Ptacek, C., Skeaff, J.M., Tipping, E., Waeterschoot, H. 2007. Integrated Approach for Hazard Assessment of Metals and Inorganic Metal Substances: The Unit World Model Approach. Chapter 3 In *Assessing the Hazard of Metals and Inorganic Metal Substances in Aquatic and Terrestrial Systems*. Adams, W.J. and Chapman, P.M. (Eds.) SETAC Press, Pensacola FL., 145 pp.

10. COLE, D.C., D. GRACE, M. DIAMOND. 2006. Researchers' approaches to evidence on urban agriculture and human health. In: *Healthy city harvests: generating evidence to guide policy on urban agriculture*. Cole, D.C., Lee-Smith, D., Nasinyama, G.W. (Eds). International Potato Center, CIP/Urban Harvest and Makerere University Press, Lima Peru. pp. 31-47.

9. COLE, D.C., K. BASSIL, H. JONES-OTAZO and **M.L. DIAMOND**. 2006. Health risks and benefits associated with UA: impact assessment, risk mitigation and healthy public policy. In: *Health Risks and Benefits of Urban and Peri-Urban Agriculture and livestock (UA) in Sub-Saharan Africa, Urban Poverty and Environment Series Report #1*, International Development Research Centre, Ottawa, pp. 11-23.

8. **DIAMOND, M.L.**, J. ARCHBOLD, S. BHAVSAR and M. MONABBATI. 2005. Life-cycle impact assessment of metals: Development of models to estimate metal fate and toxicological hazard. In: *Life-Cycle Assessment of Metals – Issues and Research Directions*. SETAC Special Publication. Pp. 175-185.

7. **DIAMOND, M.**, P. HELM, R. SEMKIN, S. LAW. 2003. Chapter C.2: Mass balance and modelling of contaminants in lakes. In: Bidleman, T., Macdonald, R. and Stow J. (Eds), *Canadian Arctic Contaminants Assessment Report II - Sources, occurrence, trends and pathways in the physical environment*, Indian and Northern Affairs Canada, Ottawa. Pp. 191-201.

6. BIDLEMAN, T.F., **M.L. DIAMOND** et al. 2003. Arctic Freshwaters. In: *Canadian Arctic Contaminants Assessment Report*. , J. Stow and R. Shearer (eds.), Indian and Northern Affairs Canada, Ottawa. Chapter 2, pp. 196-225.

5. BIDLEMAN, T.F., A.D. LEONE, R.L. FALCONER, T. HARNER, L.M. JANTUNEN, K. WIBERG,

P.A. HELM, **M.L. DIAMOND** and B. LOO. 2003. Air-soil and air-water exchange of chiral pesticides. In: *Environmental Fate and Effects of Pesticides*. J.R. Coats and H. Yamamoto (eds.) American Chemical Society, Symposium Series No. 853, Chapter 12.

4. BARRIE, L., R. MACDONALD, T. BIDLEMAN, **M. DIAMOND**, D. GREGOR, R. SEMKIN, W. STRACHAN, M. ALAEE, S. BACKUS, M. BEWERS, C. HALSALL, C. BOGEIL, J. HOFF, A. LI, L. LOCKHART, D. MACKAY, J. PUDYKIEWICZ, K. RIEMER, J. SMITH, G. STERN, W. SCHROEDER, R. WAGEMANN, F. WANIA and M. YUNKER. 1997. Arctic contaminants: Five years of progress in understanding sources, occurrence and pathways. In: Canadian Arctic Contaminants Assessment Report, J. Jensen, K. Adare and R. Shearer (eds.), Indian and Northern Affairs Canada,, Ottawa. Chapter 2, pp. 25-181.

3. CAMPBELL, M., J. CAMPBELL, S. MCKENNA, S. MACRITCHIE and **M. DIAMOND**. 1997. Public health perspective and urban soil contamination. In: *Environmental Geology of Urban Areas*. N. Eyles (ed.), Geological Association of Canada, Geotext 3, St. John's, Newfoundland. pp.383-393.

2. SCHNOOR, J.L., J.P. CONNOLLY, D.M. DI TORO, M. DE ROOIJ, **M. DIAMOND**, R.S. KINERSON JR., D.B. PORCELLA, W.L. RICHARDSON, J.F. STINE. 1997. Environmental fate and transport. In: *Resassessment of Metals Criteria for Aquatic Life Protection*. H.L. Bergman and E.J. Dorward-King (eds.), SETAC Press, Pensacola, FL. Chapter 6, pp. 71-80.

1. MACKAY, D., **M.L. DIAMOND** and W. STIVER. 1991. The case for modelling sediment-water interactions in aquatic and marine systems, Chapter 3. In: *Organic Substances and Sediments in Water: Volume 3, Biological*. R. Baker (ed.), Lewis Publ., Chelsea, MI. pp.383-393.

7. c. Conference Proceedings

30. Yi-Balan S, Goldenman G, Peoples B, Peaslee G, Diamond ML, Blum A. Six classes: a new approach to reducing the use of harmful chemicals and preventing regrettable substitutions. 34th International Symp Halogenated Persistent Organic Pollutants.

29. Abbasi G., de Leon F, Buser A, Diamond ML. 2014. Long-range transport of PBDEs: from consumer products in North America to landfills in developing countries. 34th International Symp Halogenated Persistent Organic Pollutants.

28. BROMMER S, L JANTUNEN, T BIDLEMAN, S HARRAD, M DIAMOND. 2013. Determination of vapour pressures for organophosphate flame retardants and plasticizers. Organohalogen Compounds.

27. Diamond ML, Abbasi G, de Leon F, Saini A, Goosey E, Buser A, Soehl A, Murray M. 2013. How can we manage the mountain of PBDEs plus “new” flame retardants? PBDE inventory, fate and policy analysis. Organohalogen Compounds.

26. Goosey, ER, Sanai A, Abbasi G, Chaudhuri S, Diamond ML. 2013. Sources and multimedia partitioning of BFRs indoors. Organohalogen Compounds.

25. Scheringer M, Backhaus T, Bergman Å, de Wit CA, Diamond M, Hauschild M, Holoubek I, Lohmann R, Molander S, Arvidsson R, Persson L, Suzuki N, Vighi M, Zetzsch C. 2012. Planetary boundaries for chemical pollution. Organohalogen Compounds.

24. Diamond, M., Chaudhuri, S., Goosey, E. 2011. Assessing urban indoor exposures to phthalate plasticizers, PAHs, new BFRs and PFCs. *Organohalogen Compounds*.
23. Goosey, EM., **Diamond M**, Verkoeyon, S., Csiszar, S., Catching, C. 2011. Reconnaissance study of sealcoat application in Toronto, Canada and an estimate of related PAH emissions. *Organohalogen Compounds*.
22. Robson, M, Melymuk, L, Csiszar, S., Helm, P.A., Gilbert, B., **Diamond, M.L.** 2010. Polycyclic Musks indoors and outdoors. *Organohalogen Compounds* 72: 1414-1417.
21. Robson M, **Diamond ML**, Helm PA, Csiszar SA, Melymuk L, Backus S, Bradley L, Gilbert B, Daggupaty S and Jantunen LM. 2010. Sources, fate and loadings of PCBs, PBDEs, PAHs and synthetic musks from the Greater Toronto Area. *Organohalogen Compounds* 72: 1322-1325.
19. Zhang, X., **Diamond, M.**, Harrad, S., Ibarra, C. 2008. PBDEs Fate in the Indoor Environment - A Multimedia Model Study. *Organohalogen Compounds* 70:871-874.
18. Gewurtz, S.B. Crozier, P.W. Bhavsar, S., **Diamond, M.L.**, Helm, P.A., Marvin, C.H., Reiner, E. 2008. Perfluoroalkyl Contaminants in Window Film: Urban/Rural, Indoor/Outdoor, and Summer/Winter Gradients" *Organohalogen Compounds* 70: 398-402
17. **Diamond, M.L. 2008.** The Simpsons, POPs, and Chemical Management. *Organohalogen Compounds* 70: 558-561.
16. MELYMUK L, M ROBSON M, S CSISZAR, **M DIAMOND**, P HELM, P BLANCHARD, S BACKUS. 2008 Continuing Sources of PCBs: The Significance of Building Sealants. *Organohalogen Compounds* 70: 681-684.
15. ROBSON, M, L MELYMUK, B GILBERT, P HELM, **M DIAMOND**, P BLANCHARD, S BACKUS. 2008 Comparison of Concentrations and Loadings of PCBs and PAHs in Urban and Rural Streams during Base Flow and Storm Events. *Organohalogen Compounds* 70: 685-688.
14. CLARKE, J.P., **M.L. DIAMOND** and T. HARNER. 2005. PBDE Fate and Transport in an Urban Centre: Application of the Multimedia Urban Model. *Organohal. Compounds* pp. 1037-1039.
13. WU, R., T. HARNER, **M.L. DIAMOND**, C.M. BUTT and B. BRANFIREUN. 2005. Surface organic films: growth dynamics and partitioning characteristics. *Organohal. Compounds* pp. 1024-1028.
12. GEWURTZ, S., P.A. HELM, N. GANDHI, S. P. BHAVSAR, **M.L. DIAMOND**, C.H. MARVIN, D.M. WHITTLE. 2005. Application of a food web model to assess the dynamics of polychlorinated naphthalenes (PCNs) in a Lake Ontario food web. *Organohal. Compounds* pp. 715-718.
11. GANDHI, N., S. BHAVSAR, S.B. GEWURTZ, **M.L. DIAMOND**, A. EVENSET, G.N. CHRISTENSEN AND D. GREGOR. 2005. Development of multi-chemical food chain model: Application to PBDEs in Lake Ellasjøen, Bear Island, Norway. *Organohal. Compounds* pp. 1276-1279.
10. JONES-OTAZO, H. J.P. CLARKE, **M.L. DIAMOND**, J.A. ARCHBOLD, T. HARNER, M. RICHARDSON, J.J. RYAN, B. WILFORD. 2005. House Dust is the Main Exposure Pathway for PBDEs to Humans. *Organohal. Compounds* pp. 1585-1588.

9. MOTELAY-MASSEI, A., P. VAN METRE, T. HARNER, C. ECKLEY, **M. DIAMOND**, B. BRANFIREUN. 2005. Air-surface exchange of polycyclic aromatic hydrocarbons in urban areas: influence of sealed impervious surfaces. *Organohal. Compounds* pp. 1008-1011.
8. BUTT, C.M., S. RAYNE, M.G. IKONOMOU, **M.L. DIAMOND** and J. TRUONG. 2003. Polychlorinated dioxin and furans (PCDD/F) in organic window films after September 11th. *Organohal. Comp.* 63:430-323.
7. BUTT, C.M., **M.L. DIAMOND**, J. TRUONG, M.G. IKONOMOU and P.A. HELM. 2003. PBDE, PCB and PAH in window films from lower Manhattan after September 11th, 2001. *Organohal. Comp.* 63:312-319.
6. BUTT, C.M., J. TRUONG, **M.L. DIAMOND** and M.G. IKONOMOU. 2003 Polybrominated diphenyl ether (PBDE), dioxin and furan (PCDD/F) concentration in organic window films from southern Ontario. *Organohal. Comp.* 61:349-352.
5. WONG, F., **M.L. DIAMOND**, J. TRUONG, M. ROBSON and S. HARRAD. 2003. Chirality as indication for PCB accumulation in forest soils along an urban-rural gradient. *Organohal. Comp.* 62:301-304.
4. HARNER, T., M. IKONOMOU, M. SHOEIB, G. STERN and **M.L. DIAMOND**. 2002. Passive air sampling results for polybrominated diphenyl ethers along an urban-rural transect. *Organohal. Comp.* 57:33-36.
3. BUTT, C.M., J. TRUONG, **M.L. DIAMOND**, and G.A. STERN. 2002 Polychlorinated biphenyl (PCB) concentrations in atmospherically derived organic films from Lower Manhattan after September 11, 2001. *Organohal. Comp.* 59:219-222.
2. **DIAMOND, M.L.**, S.E. GINGRICH, G.A. STERN and B.E. MCCARRY. 2000. Wash-off of SOC's from organic films on an urban impervious surface. *Organohal. Compounds* 45:272-275
1. **DIAMOND, M.L.**, S.E. GINGRICH, B.E. MCCARRY, G.A. STERN and G. TOMY. 1999. Evidence for an organic film on impervious urban and rural surfaces. *Organohal. Compounds* 41:343-346.

8. NON-REFEREED PUBLICATIONS

8. a. Articles

26. Abbasi G, Saini, A, Goosey, E, Diamond M. 2014. Halogenated flame retardants in Canadian house dust. *Integr Environ Assess Manag*.
25. **M DIAMOND**, G ABBASI, A SOEHL, M MURRAY. 2014. Great Lakes PBDE Reduction Project, Summary Paper No. 3, PBDE Reduction Metrics. Great Lakes Commission Fact Sheet. <http://glc.org/projects/water-quality/pbde/>
24. MURRAY M, A SOEHL, **M DIAMOND**, G ABBASI. 2014. Great Lakes PBDE Reduction Project, Summary Paper No. 2, PBDE Alternatives Assessment. Great Lakes Commission Fact Sheet.
23. ABBASI G, **M DIAMOND**, A SOEHL, M MURRAY. 2014. Great Lakes PBDE Reduction Project, Summary Paper No. 1, PBDE Product Inventory. Great Lakes Commission Fact Sheet.

22. DIAMOND ML. 2009. How to Deal with Metals in Life Cycle Impact Assessment: Report of the Clearwater Workshop. SETAC Globe, July 2009, Volume 10, Issue 3, pg 5.
21. SOMMERFREUND, J.A., S. BHAVSAR, N. GANDHI, S. GEWURTZ, M. DIAMOND, S. GUILANI and M. FRIGNANI. 2006. Fugacity/aquivalence modelling framework of contaminant (POPs and heavy metals) fate and transport in the Venice Lagoon. Scientific Research and Safeguarding of Venice. Research Programme 2004-2006, Volume IV, 2005 Results. CORILA. Pp. 179-182.
20. STERN, G.A., P. ROACH and M.L. DIAMOND. 2003. Mercury and organochlorines in lake trout from selected Yukon Lakes: a temporal and spatial study. In: *Synopsis of Research Conducted Under the 2001/03 Northern Contaminants Program*. J. Stow (ed.), Department of Indian Affairs and Northern Development, Environmental Studies No. XX, pp. 342-349.
19. STERN, G.A., P. ROACH and **M.L. DIAMOND**. 2001. Temporal and spatial trends of mercury in fish from Yukon Lake and in sediment cores from Lake Laberge. In: *Synopsis of Research Conducted Under the 2000/01 Northern Contaminants Program*. S. Kalhok (ed.), Department of Indian Affairs and Northern Development, Environmental Studies No.
18. EATON, S. and **M.L. DIAMOND**. 2001. A unique approach to evaluating remedial options for a contaminated urban lake. *Environmental Science & Engineering*. March 2001, pp. 55-58.
17. STERN, G.A., L. LOCKHART, M. RYAN, M. PALMER, P. ROACH and **M. DIAMOND**. 2000. Sources, pathways and levels of contaminants in fish from Yukon waters. In: *Synopsis of Research Conducted Under the 1999-2000 Northern Contaminants Program*. S. Kalhok (ed.), Department of Indian Affairs and Northern Development, Ottawa. QS-8602-000EF-A1, Cat. No. R71-19/76-2000E. pp. 222-226.
16. **DIAMOND, M.L.** 1999. Contaminant fate and transport in arctic watersheds and lakes. In: *Synopsis of Research Conducted Under the 1997/98 Northern Contaminants Program*. J. Jensen (ed.), Department of Indian Affairs and Northern Development, Environmental Studies No. 75, QS-8590-000-EF-A1, Cat. No. R71-57/1999E. pp. 23-30.
15. **DIAMOND, M.L.** 1998. Modelling inorganic and organic contaminants in arctic freshwater lakes. In: *Synopsis of Research Conducted Under the 1995-1997 Northern Contaminants Program*. Department of Indian Affairs and Northern Development, Environmental Studies No. 74, QS-8573-000-EF-A1, Cat. No. R71-19/74-1997E. pp. 55-64.
14. PAGE, C.A., **M.L. DIAMOND**, M. CAMPBELL and S. MCKENNA. 1998. Life cycle framework for investigating site remediation options. *Chem. Eng. Prog.* 94(8): 63-70.
13. **DIAMOND, M.L.**, H. FREITAS and M. KAWAI. 1996. Modelling inorganic and organic contaminants in arctic lakes and food chains. In: *Synopsis of Research Conducted Under the 1994/95 Northern Contaminants Program*. Department of Indian Affairs and Northern Development, Environmental Studies No. 73, QS-8519-000-EF-A1, Cat. No. R71-19/73-1995E. pp.119-130.
12. MACRITCHIE, S. and **M.L. DIAMOND**. 1995. Sustainable Cities: A New View of Urban Development. *Horizons* 4(7):3-5.
11. MACRITCHIE, S. and **M.L. DIAMOND**. 1994. Sustainable Development: North-South Issues.

Horizons 3(6):13-15.

10. **DIAMOND, M.L.** 1994. Modelling inorganic and organic contaminants in arctic lakes and food chains. In: *Synopsis of Research Conducted Under the 1993/94 Northern Contaminants Program*. Department of Indian Affairs and Northern Development, Environmental Studies No. 72, QS-8500-000-EF-A1, Cat. No. R71-19/72-1994E, pp. 128-137.

9. **DIAMOND, M.L.** 1994. Sustainable development: its origins and interpretations. *Horizons* 3(4):3-4.

8. **DIAMOND, M.L.** 1993. Modelling inorganic and organic contaminants in arctic lakes and food chains. In: *Synopsis of Research Conducted Under the 1992/93 Northern Contaminants Program*. Department of Indian Affairs and Northern Development, Environmental Studies No. 70, QS-8490-000-EF-A1. pp. 189-195.

7. **DIAMOND, M.** 1993. Modelling the fate and transport of metals in lakes: certainties and uncertainties. Proc. of 9th Int. Conf. Heavy Metals in the Environment, Vol.1, Sept. 1993, Toronto, Ontario. pp.44-47.

6. **DIAMOND, M.L.**, D. MACKAY and W. STIVER. 1989. The use of mass balance models to elucidate the effects of in-place pollution. Proc. Technology Transfer Conf., Part B. Ontario Ministry of the Environment, November 1989, Toronto, Ontario.

5. **DIAMOND, M.L.**, D. MACKAY, R.J. CORNETT. 1987. Modelling arsenic dynamics in enclosures in a lake. Proc. Heavy Metals in the Environment, Vol. 2. Sept. 1987, New Orleans. pp. 268-270.

4. **DIAMOND, M.L.**, D. MACKAY, D. PHALP, B. AHIER, S. LANDSBERGER, R.J. CORNETT. 1987. Application of the Fugacity/Activity Model to Predicting the Behaviour of Arsenic in Lakes. Proc. Technology Transfer Conf., Part B. Ont. Min. Environment, Dec. 1987, Toronto, Ontario. 20 pp.

3. FORTESCUE, J.A.C. and **M.L. DIAMOND**. 1985. The use of remote sensing for the study of acid lakes: Raaflaub Township, District of Algoma. In: *Summary of Field Work, 1984, Ontario Geological Survey*. J. Wood, O.L. White, R.B. Barlow and A.C. Colvine (eds.), Ontario Geological Survey Misc. Paper 119. pp.147-151.

2. SMITH, V.H., F.H. RIGLER, O. CHOULIK, **M. DIAMOND**, S. GRIESBACH and D. SKRABA. 1984c. The effects of nitrogen and phosphorus fertilization on lakes in Schefferville, Quebec. McGill Subarctic Research. Paper No. 39. In: *Future directions for research in Nouveau-Quebec*. T.R. Moore (ed.), McGill Univ. pp.75-83.

1. SMITH, V.H., F.H. RIGLER, O. CHOULIK, **M. DIAMOND**, S. GRIESBACH and D. SKRABA. 1984a. Effects of phosphorus fertilization on phytoplankton biomass and phosphorus retention in subarctic Quebec lakes. Verh. Internat. Verein. Limnol. 22:673-687.

8. b. Reports

26. SOEHL A, G ABBASI, **ML DIAMOND**, M MURRAY. 2014. Great Lakes PBDE institutional reduction project. Report submitted to U.S. EPA Region V. 79 pp. This report includes 3 summary papers.

25. **DIAMOND ML**, E GOOSEY. 2013. How effective are our chemical management policies in reducing Lake Ontario fish contaminant burdens? Report to Great Lakes Commission. 69 pp.

24. GOOSEY E., A SAINI, S CHAUDHURI, **ML DIAMOND**. 2013. Assessment of the prevalence and exposure to new flame retardants (NFRs) in Canadian indoor environments. Report to Health Canada. 93 pp.
23. **DIAMOND ML**, C CATCHING, SA CSISZAR, E GOOSEY, S VERKOYEON. 2011. Reconnaissance study of coal tar sealcoat application in the GTA and an estimate of related PAH emissions. Report to Environment Canada. 30 pp.
22. TAKARO TK, **M DIAMOND**, F GOBAS, V OTTON, H SHU. 2010. Critical review of phthalates in Canadian indoor environments. Report to Health Canada. 124pp.
21. **DIAMOND ML**, P HELM, M ROBSON, SA CSISZAR, L MELYMUK. 2010. Urban Sources and Loadings of Toxics to Lake Ontario from Integrated Measurements and Modeling. Report to the Great Lakes Commission. 163 pp.
20. RAZAVI, R., N. GANDHI, S. BHAVSAR, E. HODGE, S. GEWURTZ, G. ARHONDITSIS and **M.L. DIAMOND**. 2007. Contaminant fate in the Bay of Quinte: a modeling assessment. Report to the Bay of Quinte Remedial Action Plan Restoration Council. 139pp.
19. SOMMERFREUND, J., N. GANDHI and **M.L. DIAMOND**. 2005. Review: mercury and PCBs in fish and sediment of Jellicoe Cove, Peninsula Harbour. Report to Environment Canada.
18. **DIAMOND, M.L.**, M. MONABBATI, J.A. and ARCHBOLD. 2004. Environmental hazard assessment for transportation related chemicals: Development of a decision support tool. Minnesota Department of Transportation.
17. GHK INTERNATIONAL, **M. DIAMOND**, R. WHITE, H.JONES-OTAZO and E. HODGE. 2003. Forecast and analysis of urban development in the Great Lakes Basin. Report to the International Joint Commission.
16. **DIAMOND, M.L.**, J. DOUGAN, N. HELFERTY, E. HODGE, P. NIBLETT, M. ROSE and S. ROWE. 2002. Natural heritage systems in urbanizing settings: Sustainable practices for the Oak Ridges Moraine. Prepared on behalf of Save the Rouge Valley System Inc. and the City of Toronto. <http://www.hardystevenson.com/projects/profileproject.html>.
15. HODGE, E. and **M.L. DIAMOND**. 2002. Updating the existing model of contaminant fate in Bay of Quinte: benefits, options and costs. On behalf of Quinte Remedial Action Plan Restoration Council.
14. DIAMOND, M.L. 2001. Witness Statement presented to the Ontario Municipal Board. Water Quality Issues Yonge West and Yonge East Lands, Oak Ridges Moraine, Town of Richmond Hill. On behalf of Save the Rouge Valley System Inc.
13. BURCHFIELD, M. and **M.L. DIAMOND**. 2001. A feasibility study for the development of an environmental GIS for the City of Toronto. Report prepared for Health Promotion and Environmental Protection Office, Toronto Public Health, City of Toronto. 57pp.
12. **DIAMOND, M.**, C. PAGE, M. CAMPBELL and S. MCKENNA. 1998. Life Cycle Framework for Contaminated Site Remediation Options. Ontario Ministry of the Environment, PIBS 3613E, ISBN 0-7778-6940-3.

11. **DIAMOND, M.** and M. GANAPATHY. 1996. Mercury dynamics in the Lahontan Reservoir: Application of QWASI fugacity/aquivalence multispecies model. Report submitted to Ecology & Environment, Inc. as a subcontract to, and reviewed by U.S. Environ. Protection Agency.
10. **DIAMOND, M.** 1994. Review of the Level III Minnesota Model and its extension to mercury. Report submitted to Minnesota Pollution Control Agency, Air Quality Division.
9. MACKAY, D., S. SANG, **M. DIAMOND**, P. VLAHOS, E. VOLDNER and D. DOLAN. 1993. Mass Balancing and Virtual Elimination. A Peer Review Workshop at University of Toronto, Dec, 1992. Background document to Virtual Elimination Strategy Task Force Report, Int. Joint Com. 54 pp.+ Fig.
8. **DIAMOND, M.L.** and D. MACKAY. (Editors). 1992. Mass balance modeling for the Great Lakes: Developing and applying a simple model for Lakes Ontario and Superior. Unpubl. report on the Niagara-on-the-Lake Workshop, May 1991. 147 pp. Co-author of chapters 2, 7, 8, 12.
7. **DIAMOND, M.L.**, D. MACKAY and W.-Y. SHIU. 1992. Modelling the fate of toxic substances in the Bay of Quinte. Technical Report No. 15. Prepared for the Bay of Quinte Remedial Action Plan (RAP) Coordinating Committee. 126 pp.+ App.
6. MACRITCHIE, S.M. and **M.L. DIAMOND**. 1991. Identification of potential environmental and health concerns of soil remediation technologies. Technical Report, City of Toronto, Environmental Protection Office. 240 pp.
5. **DIAMOND, M.L.** and D. MACKAY. 1991. A mass balance model of the fate of toxic substances in the Bay of Quinte. Technical Report No. 13. Prepared for the Bay of Quinte Remedial Action Plan (RAP) Coordinating Committee. 69 pp.+ App.
4. **DIAMOND, M.L.** and A. MUDROCH. 1990. Review of techniques for quantifying the transfer of contaminants and nutrients from bottom sediments. Environment Canada, National Water Research Institute, Burlington, Ontario. Contribution No.90-43. 106 pp.
3. CLARK, T. and **M. DIAMOND**. 1988. The feasibility of using evaluative models in the development of Canadian Sediment Quality Guidelines. Unpubl. Report for Environ. Canada, Inland Waters Directorate. 45pp.+ App.
2. **DIAMOND, M.L.** and J.A. ORTH. 1985. Image analysis of the Natal Lake Geobotanical Test Site. Unpubl. Report for Canada Centre for Remote Sensing, Ottawa. DSS File No. 23413-4-8187. 34 pp.+ App.
1. SMITH, V.H., F.H. RIGLER, O. CHOULIK, **M. DIAMOND**, S. GRIESBACH and D. SKRABA. 1984b. A manual for eutrophication control in the subarctic. Final report to the Dept. of Indian and Northern Affairs, Ottawa. Environ. Studies No. 33, QS-8360-000-EE-A1, Cat. No. R71-19/33-1985E. 32 pp.

9. MANUSCRIPTS ACCEPTED, SUBMITTED OR IN PREPARATION

DIAMOND ML, CA DE WIT, S MOLANDER, M SCHERINGER, T BACKHAUS, R LOHMANN, R ARVIDSSON, Å BERGMAN, M HAUSCHILD, I HOLOUBEK, L PERSSON, B SUZUKI, M VIGHI,

C ZETZSCH. Exploring the planetary boundary for chemical pollution. *Environment International* Submitted July 2014.

BJØRN A, **ML DIAMOND**, M BIRKVED, MZ HAUSCHILD. Development of a chemical footprint indicator as a measure of the planetary boundary for chemical pollution of freshwater ecosystems. Resubmitted ES&T. Sept 2014.

ABBASI G, AM BUSER, A SOEHL, M MURRAY, ML DIAMOND. Stocks and flows of PBDEs from use to waste in U.S. and Canada from 1970-2020. *Environ Sci Technol* Submitted Aug 2014.

MOCHUNGONG P, G ABBASI, ML DIAMOND, J ZHU. Polybrominated diphenyl ethers and alternative brominated flame retardants in furniture and electric and electronic devices collected from the Greater Toronto Area, Canada. *J Hazardous Mat* Submitted Sept 2014.

SAWYER JM, MT ARTS, G ARHONDITSIS, **ML DIAMOND**. A general model of polyunsaturated fatty acid (PUFA) uptake and loss in freshwater fish. *Environ Modelling* Under revision 2014.

GANDHI H, ML DIAMOND. Freshwater ecotoxicity characterization factors for aluminum. *J Int LCA* In prep.

CHAUDHURI SR, H QI, E GOOSEY, A SAINI, Z JIANG, J BROOK, ML DIAMOND. Phthalate ester concentrations in indoor media and microenvironment variability. In prep.

SAWYER JM, N GANDHI, MT ARTS, G ARHONDITSIS, M KOOPS, **ML DIAMOND** A General Model of Polyunsaturated Fatty Acids (PUFAs) in Freshwater Ecosystems. In prep.

YACOOB S, **ML DIAMOND**, R SANTORE, H SONNENBERG. Investigating Toxicity Using Single and Metal Mixture BLM Models: A Case Study at Ross Lake. In prep.

YACOOB S, **ML DIAMOND**, R SANTORE, H SONNENBERG Comparing DGT Measurements and WHAM Estimates of Zinc and Copper: A Case Study at Ross Lake in Northern Canada. In prep.

10. CONFERENCE PRESENTATIONS, including published abstracts

Krol A, Serodio A, Diamond ML. 2014. Improving the multimedia indoor model for svocs with a multi-layered foam furniture submodel. REF FOR DIOXIN CONF.

Okeme JO, Poole J, Jantunen L, Serodio, D, Diamond ML. 2014. Vapor pressures and octanol-air partition coefficients of novel brominated flame retardants, organophosphate flame retardants, and selected polybrominated biphenyl ethers. REF FOR DIOXIN CONF.

Serodio D, Diamond ML, Zhang X, Bonnell 4, Sundin N. 2014. Alternative halogenated and organophosphate flame retardants: estimated physical-chemical properties and environmental persistence of 86 novel flame retardants. REF FOR DIOXIN CONF.

Diamond M, 2014. Flame retardants: what have we learned? Invited presentation 97th Canadian Chemistry Conference, Vancouver, International Symposium Chemicals of Emerging Concern.

Abbasi G., Buser A., De Leon F., Diamond M. 2014. Global Flow of Contaminants: From Our Products in North America to Our Waste Around the World. SETAC Europe, 24th Annual meeting; 2014 May 11-15, Basel,

Switzerland. Platform.

ABBASI G, DE LEON F, SAINI A, GOOSEY E, BUSER A, MOUCHONGONG P, ZHU J, SOEHL A, MURRAY M, DIAMOND M. 2014. Global flow of contaminants: from consumer products in North America to landfills in developing countries. SETAC Europe, 24th Annual meeting; 2014 May 11-15, Basel, Switzerland. Platform.

VIGHI M, BACKHAUS T, DIAMOND M, HAUSCHILD M, HOLUBECK I, LOHMANN R, MOLANDER S, PERSSON L, SALA S, SCHERINGER M, VILLA S, ZETZSCH C. 2014. Defining planetary boundaries for chemicals: a proposal for persistent Organic Contaminants (POPs). SETAC Europe, 24th Annual Meeting, Basel, Switzerland. Poster.

Serodio, D. **Diamond, M.L.**, Krol, A., Zhang, X., Bonnell, M., Sundin, N. 2014. Alternate halogenated and organophosphate flame retardants: Estimated physical-chemical properties and environmental persistence. SETAC Europe, 24th Annual Meeting, Basel, Switzerland. Poster.

Saini A, Okeme J, **Diamond ML**, Rauert C, Harrad S. 2014. Sorption of SVOCs to fabrics: Towards determining the role of clothing in human exposure. SETAC Europe, 24th Annual meeting; 2014 May 11-15, Basel, Switzerland. Platform.

Diamond M, Bjørn A, Birkved M, Hauschild MZ. 2014. Chemical footprint assessment: presentation of method and application to a case study involving different spatial scales. SETAC Europe 24rd Annual Meeting, Basel, Switzerland. Platform.

ABBASI G, R. WEBER, ML DIAMOND. 2013. Flow of PBDEs in WEEE from US & Canada to Nigeria. 34th Annual Meeting of SETAC North America, Nashville Nov. 17-21, 2013. Poster

GANDHI N. M.L. DIAMOND. 2013. Aluminum: Development of Comparative Toxicity Potentials for Freshwater Archetypes to be used in Environmental Impact Assessments. SETAC North America 34th Annual Meeting, Nashville.

DIAMOND ML, E GOOSEY, G ABBASI, A SAINI, F DE LEON, D SERODIO. 2013. Can we get beyond PBDEs: what have we learned?? SETAC North America, 34th Annual Meeting, Nashville.

DIAMOND ML, M SCHERINGER, C DE WIT, R LOHMANN. 2013. How should we define a planetary boundary for chemical pollution. SETAC Europe, 23rd Annual Meeting, Glasgow UK. Oral presentation.

BJORN A, M. HAUSCHILD, M BIRKVED, **M DIAMOND**. 2013. Approaching the planetary boundary for chemical pollution through a chemical footprint indicator – exploring feasibility via two case studies. SETAC Europe, 23rd Annual Meeting, Glasgow UK. Poster Corner Presentation.

GOOSEY E, S CHAUDHURI, **M DIAMOND**, A SAINI. 2013. Flame retardant (FR) and phthalate spatial variability indoors. SETAC Europe, 23rd Annual Meeting, Glasgow UK. Oral Presentation.

ABBASI G, **M DIAMOND**, R WEBER. 2013. Assessing the mass flow of PBDEs from North America to Nigeria via “used” products. SETAC Africa. South Africa, September.

GOOSEY E, S CHAUDHURI, M DIAMOND, A SAINI. 2013. Flame retardant spatial variability indoors: dust, air and window wipes. 6th International Symposium on Flame Retardants. San Francisco April 7-10, 2013. Poster.

ABBASI G, A BUSER, A SOEHL, M MURRAY, ML DIAMOND. 2013. The fate of PBDEs in the use and waste phases following changes of PBDE levels in products; a SFA application. 6th International Symposium on Flame Retardants. San Francisco April 7-10, 2013. Poster.

Goosey, E., A. Saini, G. Abbasi, L. Melymuk, M.L. Diamond, 2012 Out with the old in with the new: BFRs in Toronto. Proceedings of the 33rd SETAC North America Annual Meeting, pp. 215-216. Available from: SETAC Portal: SETAC Digital Library.

Abbasi G., Goosey E., Saini A., Diamond M., Buser A., Soehl A., Murray M., Zhu j., Mouchungong P. 2012. Estimation of the inventory of PBDEs in municipalities adjacent to the Great Lakes. SETAC North America Conference. Long Beach, USA 2012. Oral presentation.

CSISZAR SA, DAGGUPATY S, DIAMOND ML. 2012. Modeling urban areas as a source of PCBs and PBDEs to surrounding regions using a coupled multimedia and atmospheric transport model. SETAC North America Conference. Long Beach, USA 2012. Oral presentation.

Abbasi G., Buser A., Diamond M., Soehl A., Murray M. Present and future of PBDE inventory in Toronto; An SFA application. SETAC North America Conference. Long Beach, USA 2012. Poster

Chaudhuri, S.R., A. Saini, E. Goosey, H. Qi, M. Venier, M. Diamond. 2012 Phthalates and flame retardants: indoor concentrations, dermal wipes and urine biomonitoring. SETAC North America Conference. Long Beach, USA. Poster.

Yacoob S, ML Diamond, R. Santore. 2012. Assessing metal toxicity based on a combined unit world and kinetic modeling approach. SETAC North America Conference. Long Beach, USA. Poster.

DIAMOND ML, G. ABBASI, E GOOSEY, A SAINI, A BLUM, M VENIER, A SOEHL, M MURRAY. 2012. The actors and plot of the flame retardant story. 13th Annual Workshop on Brominated and Other Flame Retardants. Winnipeg, June 4-5, 2012. Oral.

GOOSEY E, ML DIAMOND, A SAINI, SR CHAUDHURI, G ABBASI. 2012. “Novel” flame retardants in Toronto; homes, work and in the park”. 13th Annual Workshop on Brominated and Other Flame Retardants. Winnipeg, June 4-5, 2012. Oral.

∅**DIAMOND ML.** 2012. A planetary boundary for chemical pollution. SETAC Europe 22nd Annual Meeting and SETAC World Congress. Platform Presentation. Berlin, May 20-24, 2012.

∅**DIAMOND ML, L MELYMUK, S CSISZAR, E GOOSEY, G ABBASI, PA HELM.** 2012. Tracing contaminants from urban sources to fate. SETAC Europe 22nd Annual Meeting and SETAC World Congress. Platform Presentation. Berlin, May 20-24, 2012.

YACOOB S, ML DIAMOND, C GUEGEN. 2012. What’s causing toxicity at a zinc-copper mine site? SETAC Europe 22nd Annual Meeting and SETAC World Congress. Poster Presentation. Berlin, May 20-24, 2012.

∅**DIAMOND ML.** 2011. The history of environmental chemistry – the Mackay era and beyond. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Invited oral presentation.

DIAMOND ML, HELM PA, CSISZAR SA, MELYMUK L, ROBSON M, BACKUS S, DAGGUPATY

S, GIANG A. 2011. What we found in our backyard. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Oral presentation.

MELYMUK L et al. PCBs, PBDEs, and PAHs in the urban atmosphere: spatial and seasonal trends and implications for contaminant transport. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Poster presentation.

GOOSEY E, CSISZAR S, CATCHING C, ZHU J et al. 2011. Reconnaissance study of sealcoat application in Toronto, Canada and an estimate of related PAH emissions. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Poster presentation.

HELM PA, GILBERT B, M ROBSON, L MELYMUK, DIAMOND ML. 2011. Transport of PCBs, PBDEs, PAHs, and Polycyclic musks via urban tributaries to Lake Ontario, Canada. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Oral presentation.

CSISZAR SA, DAGGUPATY S, DIAMOND ML. 2011. Predicting urban scale atmospheric PCB and PBDE emissions and fate using the BLFM-MUM model. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Oral presentation.

CHAUDHURI S, S. VERKOYEON, DIAMOND ML. 2011. Intensive indoor measurements and biomonitoring of phthalates: implications for exposure. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Poster presentation.

SAWYER J, ML DIAMOND, M ARTS, G ARHONDITSIS, N GANDHI. 2011. Modelling polyunsaturated fatty acids (PUFA) in freshwater fishes: a kinetic approach. SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Poster presentation.

YACOOB S, ML DIAMOND, N GANDHI. 2011. What's Causing Toxicity at a Zinc – Copper Mine Site? SETAC North America 32st Annual Meeting, Boston, USA, November 13 - 17. Poster presentation.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, ML DIAMOND. 2011. Development of a new modeling framework to address issues of metal fate and effects in LCIA. SETAC Europe, Milan, May 2011. Platform presentation.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, ML DIAMOND. 2011. Revised method of hazard and ecological risk assessments for calculating Comparative Toxicity Potentials of metals for which BLMs are not available. SETAC Europe, Milan, May 2011. Poster presentation.

DIAMOND ML, HELM PA, CSISZAR SA, MELYMUK L, ROBSON M, BACKUS S, BRADLEY L, GILBERT B, DAGGUPATY S, JANTUNEN LM. 2011. From sources to urban fate: a contrast of PCBs, PBDEs, PAHs and synthetic musks. SETAC Europe, Milan, May 2011. Platform presentation.

HELM P, M ROBSON, G KALTENECKER, B GILBERT, ML DIAMOND, L MELYMUK, C BRIMACOMBE, T CHEN, T KOLIC, EJ REINER 2011. Urban tributaries as a pathway of PCBs, PBDEs, PAHs, and polycyclic musks to adjacent Lake Ontario, Canada. SETAC Europe, Milan, May 2011. Poster presentation.

DIAMOND ML, CHAUDHURI S, MUKWEDEYA E. 2011. Measurement and modelling of phthalates indoors". AllerGen, Allergy, Genes and Environment Network. Sixth Annual Research Conference,

February 6-8,2011, Vancouver, BC.

SAWYER J, N GANDHI, **ML DIAMOND**, G ARHONDITSIS, M KOOPS. 2010. Transfer and accumulation of polychlorinated biphenyls and polyunsaturated fatty acids through the Bay of Quinte and Hamilton Harbour food web. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

GANDHI N, SB GEWURTZ, PA HELM, SP BHAVSAR, **ML DIAMOND**. 2010 Application of a food web model to evaluate mechanisms controlling biomagnifications of polychlorinated naphthalenes in a Lake Ontario food web. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, **ML DIAMOND**. 2010 Development of a new framework to address issues of metal fate and effects in hazard/risk assessment tools for regulatory evaluations. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, **ML DIAMOND**. 2010 Application of a new method for calculating ecotoxicity potentials of metals in global freshwaters – A critical analysis of metal hazard assessment. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, **ML DIAMOND**. 2010. Implications of geographic differences on estimating exposure and ecotoxicity potential of metals – Application to freshwaters of Canadian ecoregions. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

GANDHI N, MAJ HUIJBREGTS, D VAN DE MEENT, WJGM PEIJNENBURG, J GUINEE, **ML DIAMOND**. 2010. Revised method of hazard and Life Cycle Impact assessments for calculating Comparative Toxicity Potentials of metals for which BLMs are not available. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

Robson, M.E., Melymuk, L.E., Gilbert, B., Helm, P.A. Csiszar, S.A., **Diamond, M.L.** 2010. Polycyclic Musks in the urban environment: Sources trends and fate Poster, SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

Melymuk L, ME. Robson, **ML Diamond**, PA Helm. 2010. Atmospheric Fate and Transport of Selected Organic Pollutants in the Greater Toronto Area. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

Melymuk, L.E., Robson, M., Csiszar, S.A., Diamond, M.L ., Daggupaty, S., Helm,P.A., Backus, S. Bradley, L. and Jantunen, L 2010. Urban Sources and Loadings of Toxics to Lake Ontario from an Integrated Measurements and Modeling Approach. SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11.

Csiszar, S.A., S. Daggupaty, **M.L. Diamond**, L. Melymuk, M. Robson 2010. BLFM-MUM: A coupled atmospheric transport and multimedia model used to study PCBs in Toronto. Platform presentation submitted to the SETAC North America 31st Annual Meeting, Portland, USA, November 7 - 11

Csiszar, S.A., S. Daggupaty, M.L. Diamond, L. Melymuk, M. Robson. 2010 BLFM-MUM: A coupled atmospheric transport and multimedia model used to study PCBs in Toronto: Modeling Urban Films.

Poster Urban Environmental Pollution Conference, Boston, USA, June 20 - 23.

Robson, M.E., Melymuk, L.E., Gilbert, B., Helm, P.A. Csiszar, S.A., Diamond, M.L. 2010. Persistent organic pollutants in rivers: The effects of urbanization and high flow events. Poster, Urban Environmental Pollution Conference, Boston, MA.

Diamond, M.L., S.A. Csiszar, L. Melymuk, M. Robson, P.A. Helm S. Backus, S. Daggupaty, L. Jantunen, P. Blanchard. 2010. Concentrations, Emissions and Fate of Legacy and Current Use/Production POPs from Toronto, Canada. Oral presentation. Urban Environmental Pollution Conference, Boston, USA, June 20 - 23.

Melymuk, L.E., Robson, M.E., Csiszar, S.A., Diamond, M.L., Helm, P.A. 2010. Atmospheric fate and transport of selected organic pollutants in the Greater Toronto Area. Poster, Urban Environmental Pollution Conference, Boston, MA

Melymuk, L.E., Robson, M.E., Diamond, M.L., Bradley, L., Backus, S. 2010. Urban sources and loadings of organic contaminants to Lake Ontario: assessing the influence of precipitation from urban and rural sites. Poster, Urban Environmental Pollution Conference, Boston, MA

Robson, M., Melymuk, L.E., Csiszar, S.A., Diamond, M.L.*, Daggupaty, S., Helm, P.A., Backus, S, Jantunen, L. 2010. Urban Sources and Loadings of Toxics to Lake Ontario from an Integrated Measurements and Modeling Approach. Poster, SETAC, European Annual Meeting, Seville, Spain.

DIAMOND, ML, SA CSISZAR, N GANDHI, R ALEXYY, DT BENNY, J STRUGER, C MARVIN. 2010. Aquivalence revisited – an activity based model to assess environmental behaviour of ionic compounds. Platform presentation, Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Seville, Spain.

Robson M, Melymuk LE, Csiszar SA, **Diamond ML**, Daggupaty S, Helm PA, Backus S and Jantunen L. 2010. Urban Sources and Loadings of Toxics to Lake Ontario from an Integrated Measurements and Modeling Approach. Poster. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Seville, Spain.

Gandhi N, M Huijbregts, D van de Meent, W Peijnenburg⁴, J Guinée, E Webster, D Mackay, ML Diamond. 2010. Implications of Geographic Variability on Estimating Comparative Toxicity Potentials of Metals in Freshwaters of Canadian Ecoregions. Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Seville, Spain.

N Gandhi, M Huijbregts, D van de Meent, W Peijnenburg, J Guinée, ML Diamond. 2010. Application of the New Method for Calculating Comparative Toxicity Potential of Metals in Global Freshwater-types. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Seville, Spain.

Csiszar, S.A., S. Daggupaty, **M.L. Diamond**. 2010 BLFM-MUM: A coupled atmospheric transport and multimedia model used to study PCBs in Toronto: Modeling Urban Films. Poster IAGLR 53rd Annual Conference on Great Lakes Research, Toronto, May 17 - 21.

Melymuk, L.E., Robson, **M.**, **Diamond**, M.L., Bradley, L., Backus, S, 2010. Urban Sources and Loadings of Organic Contaminants to Lake Ontario: assessing the influence of precipitation from urban and rural sites. Oral presentation, International Association for Great Lakes Research Annual Conference, Toronto, ON.

Robson, M., Melymuk, L.E., Helm, P.A., Gilbert, B., **Diamond, M.L.**, Backus, S, Jantunen, L. 2010. Urban Sources and Loadings of Toxics to Lake Ontario from the Greater Toronto Area. Poster, International Association for Great Lakes Research Annual Conference, Toronto, ON.

ROBSON M, L MELYMUK, **ML DIAMOND**, PA HELM, S BACKUS, P BLANCHARD. 2009. Polycyclic musks in Toronto rivers: the effects of urbanization and high flow events. International Association of Great Lakes Research, 52nd Annual Conference, Toledo, Ohio.

□DEL GOBBO L, J SAWYER, C ECKLEY, **M DIAMOND**, J ARCHBOLD, L VANDERLINDEN, G TOMY. 2009. How much of which fish should we eat? Consumption guidance for Toronto market fish based on contaminants and omega-3 fatty acids. International Association of Great Lakes Research, 52nd Annual Conference, Toledo, Ohio.

MELYMUK L, M ROBSON, A GIANG, S CSISZAR, **M DIAMOND**, P HELM. 2009. Continuing sources of PCBs: the significance of building sealants. International Association of Great Lakes Research, 52nd Annual Conference, Toledo, Ohio.

Robson, M., Melymuk, L.E., Diamond, M. Helm, P., Gilbert, B. 2008. Comparison of Chemical Profiles in Urban Rivers during Base Flow and Storm Events”. Oral presentation, International Association for Great Lakes Research Annual Conference, Peterborough, ON.

□**DIAMOND ML**. 2009. Science meets policy – and politics! 44th Central Canadian Symposium on Water Quality Research.

□**DIAMOND ML**. 2009. An overview of Bisphenol A. Special Symposium on Bisphenol A. 44th Central Canadian Symposium on Water Quality Research.

GANDHI*, N., M.L. DIAMOND, D. VAN DE MEENT, M. HUIJBREGTS, A. DE KONING, J. GUINEE, W. PEIJNENBERG. 2008. New method for calculating metal characterization factors in Life Cycle Impact Assessment. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Platform.

□DIAMOND, ML. 2008. A long range view of long range transport of POPs. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Invited platform presentation to open session.

MUGNAI, C., SOMMERFREUND, J.K., G.B. ARHONDITSIS, **M.L. DIAMOND**, M. FRIGNANI, G. CAPADAGLIO, M. GERINO, L. BELLUCCI and S. GIULIANI. 2008. Modeling Venice Lagoon fate and transport of POPs and metals in two different wind regimes. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Poster.

GANDHI*, N., M.L. DIAMOND, D. VAN DE MEENT, M. HUIJBREGTS, A. DE KONING, J. GUINEE, W. PEIJNENBERG. 2008. Influence of aquatic chemistry on fate and toxicity estimates of metals in hazard assessment. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Platform.

DIAMOND, ML, CSISZAR S, ZHANG X. 2008. Where is my bisphenol A coming from? Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Platform.

ZHANG*, X., **M.L. DIAMOND**, S. HARRAD and C. IBARRA. 2008. Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in indoor environments in Toronto. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Poster.

ROBSON, M, L MELYMU, P HELM, A GIANG, ML DIAMOND. 2008. Continuing sources of PCBs: the significance of building sealants. Soc. Environ. Toxicol. Chem. (SETAC) North America, Annual Meeting, Tampa, Florida. Poster.

GANDHI, N., M.L. DIAMOND, D. VAN DE MEENT, M. HUIJBREGTS, A. DE KONING, J. GUINEE, W. PEIJNENBERG, B. KOELMANS. 2008. Improvements in estimating metal characterization factors in Life Cycle Impact Assessment – Incorporation of metal speciation into fate and effects calculations. Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Warsaw, Poland.

GEWURTZ S., N. GANDHI*, S. BHAVSAR, G. TOMY, **M. DIAMOND**, K. LAW. 2008. Application of a multi-chemical food web model to assess the dynamics of PBDEs in the food web of Lake Winnipeg, Canada. Brominated Flame Retardants Workshop, Victoria, B.C.

ZHANG, X*, Z., ROBSON*, M., **M. DIAMOND**, S. HARRAD, C. IBARRA. 2008. What controls the emissions and fate of PBDEs indoors. Brominated Flame Retardants Workshop, Victoria, B.C.

GALARNEAU, E., P.A. MAKAR and **M.L. DIAMOND**. 2008. Atmospheric fate of semivolatile PAHs in North America. Abstract submitted to SETAC World Congress, Australia.

Robson, M., Melymuk, L., Diamond, M. Helm, P., Gilbert, B., 2007. Persistent organic pollutants in urban environments Invited Presentation, Urban Atmosphere Workshop, hosted by Baltimore Ecosystem Study, National Science Foundation. Baltimore, MA.

GANDHI*, N., **M.L. DIAMOND**, D. VAN DE MEENT, W. PEIJNENBURG, M. HUIJBREGTS, j. GUINEE, G. HUPPES and B. KOELMANS. 2007. Estimation of characterization factors for metals in Life-cycle Impact Assessment of ecotoxicity – analysis of metal speciation, fate and effects issues. Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

DIAMOND*, M.L., S. HARRAD, X. ZHANG, L. MELYMU, S. CSISZAR, J.P. CLARKE, N. GANDHI, S. GEWURTZ, H. JONES-OTAZO. 2007. Cities: from contaminant emissions to exposure. Symposium presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

ZHANG*, X., **M.L. DIAMOND**, S. HARRAD and C. IBARRA. 2007. PBDEs – Behaviour in indoor environment – a mass balance fugacity model approach. Symposium presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

MELYMU*, L., M. ROBSON, **M.L. DIAMOND** and P. HELM. 2007. Concentrations and fluxes of persistent organic pollutants to Lake Ontario via the Greater Toronto Area. Symposium presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

GEWURTZ*, S., P. CROZIER, **M.L. DIAMOND**, et al. 2007. Perfluoroalkyl contaminants in window film before and after a carpet installation. Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

CSISZAR*, S., N. GANDHI, **M.L. DIAMOND**, R. ALEXY, D. BENNIE, J. STRUGER and C. MARVIN. 2007. New model for pharmaceuticals: description and application to Hamilton Harbour.

Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC), 28th Annual Meeting, Milwaukee.

GAHNDI*, N. S. BAHVSAR*, **M.L. DIAMOND**. 2007. Development of a generic method for hazard analysis of substances: Addressing metal speciation, fate and Ecotoxicity Issues. Mining and the Environment International Conference" held in Sudbury during October 19 - 26, 2007. Gandhi won second prize for the best student oral presentation.

MELYMUK, L., S. CSISZAR, J.P. CLARKE, **M.L. DIAMOND***, B. BRANFIREUN, P. HELM and T. HARNER. 2007. Are PCBs legacy POPs? Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Porto, Portugal.

GANDHI*, N., **M.L. DIAMOND**, D. VAN DE MEENT, M. HUIJBREGTS, J. GUINEE, G. HUPPES, W. PEIJNENBERG and B. KOELMANS. 2007. Estimation of characterization factors for metals in Life Cycle Impact Assessment of ecotoxicity – addressing metal fate, exposure and effects. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Porto, Portugal.

CSISZAR*, S.A., **M.L. DIAMOND**, J.P. CLARKE, M.A. BELMONT, L.E. MELYMUK, S.J. HARRAD, P.C. VAN METRE, F.T. HEITMULLER, M. RAO, T. HARNER and B. BRANFIREUN. 2007. Estimating emissions and fate of PCBs and PBDEs from European and North American cities. Platform presentation. 50th Annual Conf Internat. Assoc. Great Lakes Res. Pittsburgh, Penn.

SOMMERFREUND, J.K., G.B. ARHONDITSIS, **M.L. DIAMOND***, M. FRIGNANI, G. CAPADAGLIO, M. GERINO, L. BELLUCCI and S. GIULIANI. 2007. Uncertainty, data limitations and modelling: case study of contaminant fate modelling in the Venice Lagoon. Platform presentation. 50th Annual Conf Internat. Assoc. Great Lakes Res. Pittsburgh, Penn.

MELYMUK*, L., S.A. CSISZAR, **M.L. DIAMOND**, P. HELM, T. HARNER and B. BRANFIREUN. 2007. Are PCBs legacy POPs? An assessment of current PCB use in urban areas. Platform presentation. 50th Annual Conf Internat. Assoc. Great Lakes Res. Pittsburgh, Penn.

GANDHI*, N., R. ALEXY, S. CSISZAR, M. BELMONT, **M.L. DIAMOND**, D. BENNIE, J. STRUGER, C. MARVIN. 2007. New Model for pharmaceuticals: description and application to Hamilton Harbour. 50th Annual Conf Internat. Assoc. Great Lakes Res. Pittsburgh, Penn.

GALARNEAU*, E., MAKAR, P.A., SASSI, M., **DIAMOND, M.L.** 2007. Atmospheric Emissions and Modelled Regional Fate of Semivolatile Polycyclic Aromatic Hydrocarbons (PAHs) in the Great Lakes Basin. Abstract submitted to 50th Annual Conf Internat. Assoc. Great Lakes Res. Pittsburgh, Penn.

MELYMUK, L., S. CSISZAR, J.P. CLARKE, **M.L. DIAMOND***, B. BRANFIREUN, P. HELM and T. HARNER. 2007. Are PCBs legacy POPs? Platform presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Porto, Portugal.

GANDHI*, N., **M.L. DIAMOND**, D. VAN DE MEENT, M. HUIJBREGTS, J. GUINEE, G. HUPPES, W. PEIJNENBERG and B. KOELMANS. 2007. Estimation of characterization factors for metals in Life Cycle Impact Assessment of ecotoxicity – addressing metal fate, exposure and effects. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC) Europe, Annual Meeting, Porto, Portugal.

CSISZAR*, S.A., R. ALEXY, N. GANDHI, M. BELMONT, **M.L. DIAMOND**, D.T. BENNIE, J. STRUGER and C. MARVIN. 2007. Pharmaceuticals as environmental contaminants: modelling, distribution and fate (Triclosan, Naproxen, Ibuprofen and Gemfibrozil in Hamilton Harbour). Poster

presentation. Pharmaceuticals and personal care products in the Canadian Environment: Research policies and directions. Niagara-on-the-Lake, Canada.

SOMMERFREUND, J.A., ARHONDITSIS, G. and **DIAMOND***, M.L. 2007. A probabilistic approach for contaminate fate and transport modelling. Canadian Assoc. Water Quality, Burlington, Ont. Platform.

GEWURTZ, S.B., N. GANDHI, S.P. BHAVSAR*, **M.L. DIAMOND**, G.T. TOMY and K. LAW. 2006. Application of a multi-chemical food web model to assess the dynamics of PBDEs in the food web of Lake Winnipeg, Canada. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

DIAMOND, M.L., L. MELYMUK, S. CSISZAR, M. BELMONT, P. HELM and J.P. CLARKE. 2006. Are PCBs legacy POPs? Assessment of current use in an urban area. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

ROBSON*, M., L. MELYMUK, **M. DIAMOND**, B. GILBERT, P. HELM and T. CHEN. 2006. Concentrations of Polycyclic Aromatic Hydrocarbons in River Sediments in the Greater Toronto Area. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

DIAMOND*, M.L., M.A. BELMONT, L.E. MELYMUK*, J.P. CLARKE*, S.J. HARRAD, P.C. VAN METRE, F.T. HEITMULLER, M. RAO and T. HARNER. 2006. More on the fate of PBDEs in cities — a Tale of 3 cities. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

□**DIAMOND, M.L.**, S.P. BHAVSAR and N. GANDHI. 2006. Advances in coupled fate and speciation modeling of metals. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

GANDHI*, N., S. BHAVSAR, J.P. CLARKE, L. MELYMUK, S. CSISZAR and **M.L. DIAMOND**. 2006. Assessing the long-term cycling of PCBs in Hamilton Harbour. Oral Presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

□GANDHI, N., S.P. BHAVSAR, **M.L. DIAMOND**, D. VAN DE MEENT, M. HUIJBREGTS, J. GUINEE, H. HUPPES, W. PIJNENBERG and B. KOELMANS. 2006. Estimation of Characterization Factors for Metal Fate, Exposure and Effects Issues. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 27th Annual Meeting, Montreal.

□**DIAMOND, M.L.**, N. GANHDI, S.P. BHAVSAR, R. RAZAVI, E. HOGDE, J.P. CLARKE, H. LING. 2006. Modelling toxics in Areas of Concern: Lessons learned from Bay of Quinte, Hamilton Harbour. 49th Annual Conf. Internat. Assoc. Great Lakes Res. Windsor, Ont. Platform presentation.

CLARKE, J.P. and **M.L. DIAMOND***. 2006. PCB Dynamics in a city: Application of Multi-media Urban Model. 49th Annual Conf. Internat. Assoc. Great Lakes Res. Windsor, Ont. Platform presentation.

RAZAVI, R., E. HODGE, **M.L. DIAMOND***, G. ARHONDITSIS. 2006. Contaminant fate in Bay of Quinte: A modelling assessment. 49th Annual Conf. Internat. Assoc. Great Lakes Res. Windsor, Ont. Platform presentation.

SOMMERFREUND*, J., **M.L. DIAMOND**, S. GUILANI, M. FRIGNANI, G. CAPODAGLIA. 2006. Modelling contaminants in the Venice Lagoon. 49th Annual Conf. Internat. Assoc. Great Lakes Res. Windsor, Ont. Platform presentation.

□THIBODEAUX*, L. and **M. DIAMOND**. 2006. An air-to-surface film chemodynamic model for PAH partitioning to urban surfaces. SETAC Europe, Den Haag, Netherlands. Platform presentation.

BHAVSAR, S.P., **M.L. DIAMOND***, N. GANHDI. 2006. A coupled multispecies metal transport and speciation (TRANSPEC II) model for soil and water. SETAC Europe, Den Haag, Netherlands. Platform presentation.

J.P. CLARKE, **M.L. DIAMOND***. 2006. PCB dynamics in a city: Application of the Multi-media Urban Model (MUM-Fate). SETAC Europe, Den Haag, Netherlands. Poster presentation.

SOMMERFREUND*, J., **M.L. DIAMOND**, S. GUILANI, M. FRIGNANI, G. CAPODAGLIA. 2006. Modelling contaminants in the Venice Lagoon. SETAC Europe, Den Haag, Netherlands. Poster presentation.

Bhavsar, S, Gandhi, N, ***Diamond, M.** 2005. Estimating Critical Loads of metals to surface aquatic systems using a coupled metal TRANsport-SPECiation-TOXicity (TRANSPEC-TOX) model. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 26th Annual Meeting, Baltimore, Maryland.

*Gewurtz, S., Helm, P., Gandhi, N., Bhavsar, S., **Diamond, M.**, Marvin, C., Whittle, D. 2005. Application of a food web model to evaluate the mechanisms controlling polychlorinated naphthalene concentrations in a Lake Ontario food web. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), Baltimore, Maryland.

Gandhi, N., Bhavsar, S., Gewurtz, S., ***Diamond, M.**, Evenset, A., Christensen, G., Gregor, D. 2005. Development of a multi-chemical food chain model: Application to study debromination and bioformation of PBDEs. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 26th Annual Meeting, Baltimore, Maryland.

*Sommerfreund, J., Gandhi, N., Bhavsar, S., Gewurtz, S., **Diamond, M.**, Guiliani, S. and M. Frignani. 2005. A fugacity based assessment of fate and transport of organic contaminants in the Venice Lagoon, Italy. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 26th Annual Meeting, Baltimore, Maryland.

Hernandez-Martinez, N., J. Truong and **M.L. Diamond**. 2005. Variability in surface films on impervious surfaces. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 26th Annual Meeting, Baltimore, Maryland.

DIAMOND, M.L., J. ARCHBOLD, S. BHAVSAR, J. CLARKE, E. HODGE, H. JONES-OTAZO, T. LABENCKI, J. TRUONG, F. WONG and M. MONABBITI 2005. Contaminants in cities: fate, exposure and potential health effects. 4th Annual Urban Health Conference, Toronto. Poster presentation.

*KENNEDY, C. and **M.L. DIAMOND** 2005. Sources and fate of chemical in the urban metabolism. 55th Annual Canadian Chemical Engineering Conference. Toronto, Oct. Oral presentation.

*SOMMERFREUND J., N. GANDHI, S. BHAVSAR, S. GEWURTZ, S. GUILANI, M. FRIGNANI and **M.L. DIAMOND**. 2005 A fugacity/aquivalence-gased assessment of contaminant fate and transport I the Venice Lagoon, Italy. 55th Annual Canadian Chemical Engineering Conference. Toronto, Oct. Poster presentation.

□***DIAMOND, M.L.**, J.P. CLARKE, N. HERNANDEZ-MARTINEZ, T. LABENCKI, B. LAM, E. HODGE, H. JONES-OTAZO. 2005. Contaminants in the city: sources and fate. 55th Annual Canadian Chemical Engineering Conference. Toronto, Oct. Oral presentation.

BHAVSAR, S., N. GANDHI and **M.L. DIAMOND***. 2005. Connecting metal loadings with ecotoxicity in lakes using a coupled modelling approach. 55th Annual Canadian Chemical Engineering Conference. Toronto, Oct. Oral presentation.

□***DIAMOND, M.L.**, C. BUTT, B. LAM, J. TRUONG, N. HERNANDEZ-MARTINEZ, T. LABENCKI, R. WU, A. SIMPSON. 2005. The Composition and implications of atmospherically-derived films on impervious surfaces. Israel Society of Ecology and Environmental Quality and Science, Annual Meeting, Rehovot, Israel.

*RAZAVI, R., N. GANDHI, S.P. BHAVSAR, S.B. GEWURTZ, B. JONES and **M.L. DIAMOND**. 2005. Chemical dynamics in the Bay of Quinte, Lake Ontario: a comparative modelling approach. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Poster presentation.

*BHAVSAR, S.P., **DIAMOND, M.L.**, and GANDHI, N. 2005. Extension of coupled multispecies metal TRANsport and SPECiation (TRANSPeC) model to soil compartment. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Oral presentation.

GEWURTZ, S.B., GANDHI, N., CHRISTENSEN, G.N., EVENSET, A., GREGOR, D., STERN, G.A., FRANZIN, W.G., RYAN, M., and **DIAMOND, M.L.** 2005. A Comparison of the mechanisms controlling PCB bioaccumulation in lakes of different latitudes: a modeling approach. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Oral presentation.

*GANDHI, N., BHAVSAR, S.P., GEWURTZ, S.B., **DIAMOND, M.L.**, RUSMIR-WOODS, C., and BOYD, D. 2005. Assessing long-term PCB cycling in Hamilton Harbour - An application of integrated fate-transport and food web model. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Oral presentation.

*GANDHI, N., BHAVSAR, S.P., **DIAMOND, M.L.**, MORASH, P., and ANDERSON, J. 2005. Impacts of metal dissolution kinetics on recovery of metal contaminated sediments – an application of extended TRANSPeC model to Spanish Harbour. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Oral presentation.

HERNANDEZ-MARINTEZ, N., J. TRUONG, M.L. DIAMOND. 2005. Variability and temporal trends in urban film composition. 48th Annual Conf. Internat. Assoc. Great Lakes Res. Chicago, Il. Poster presentation.

*WU, R.W., T. HARNER, **M.L. DIAMOND**, A. MOTELAY-MASSEI, C.M. BUTT. 2005. Surface organic films: growth dynamics and response to meteorology. Oral presentation. SETAC Europe. Lille France.

*MOTELAY-MASSIE, A. T. HARNER, P. VAN METRE, C. ECKLEY, B.J. MAHLER, **M. DIAMOND**, B. BRANFIREUN. 2005. Diurnal variations of air-surface exchange for organic pollutants in urban areas. Abstract submitted for oral presentation. SETAC Europe. Lille France.

*GEWURTZ, S.B., N. GANDHI, G.N. CHRISTENSEN, A. EVENSET, D. GREGOR, G.A. STERN, W. FRANZIN, M. RYAN. **M.L. DIAMOND**. 2004. A comparison of the mechanisms controlling POP

bioaccumulation in lakes of different latitudes: a modelling approach. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

□*BHAVSAR, S.P., N. GANHDI, J. ARCHOLD, M.L. DIAMOND, R. GOULET. 2004. BIOTRANSPEC-ERA: A model to estimate metal speciation-fate-bioaccumulation and toxicological hazard for LCIA. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

*BHAVSAR, S.P., **M.L. DIAMOND**, N. GANDHI. 2004. Extension of coupled multispecies metal TRANsport and SPECiation (TRANSPEC) model to soil compartment. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

*GEWURTZ, S.B., R. LAPOSA, N. GANDHI, G. CHRISTENSEN, A. EVENSET, D. GREGOR, **M.L. DIAMOND**. 2004. Accumulation of POPs in a high arctic food web: influence of temperature, nutrients, and loadings. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

*LAM, B., ***M.L. DIAMOND**, A.J. SIMPSON, J. TRUONG, N.A. HERNANDEZ, J.D. DONALDSON. 2004. Chemical composition of surface films and their related implications to atmospheric chemistry. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

*HERNANDEZ, N.A., **M.L. DIAMOND**, J. TRUONG, J. DONALDSON. 2004. Variability and reproducibility of surface films on impervious urban surfaces. Poster presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

□WONG, F., **M.L. DIAMOND***, M. ROBSON, S.J. HARRAD, T.F. BIDLAMAN, J. TRUONG. 2004. Chiral signature of PCBs and organochlorine pesticides along an urban-rural transect. Oral presentation. Soc. Environ. Toxicol. Chem. (SETAC), 25th Annual Meeting, Portland, Oregon.

*GANDHI, N., S.B. *GEWURTZ, S.P. BHAVSAR, G.N. CHRISTENSEN, A. EVENSET, D. GREGOR, T. SKOTVOLD, **M.L. DIAMOND**. 2004. A coupled fate-transport and food chain model for PBDEs in the High Arctic: application to Lake Ellasjoen, Bear Island, Norway. 3rd International Workshop on Brominated Flame Retardants. Toronto, Canada. Poster.

JONES-OTAZO, H., J.P. CLARKE, J. ARCHBOLD, **M.L. DIAMOND**, J.J. RYAN, G. FERGUSON. 2004. A preliminary comparison of Canadian PBDE exposures from oral and inhalation routes. 3rd International Workshop on Brominated Flame Retardants. Toronto, Canada. Poster.

ARCHBOLD, J.A., R.N. HULL, **M.L. DIAMOND**. 2004. Take a deep breath – its time to reconsider wildlife inhalation risk. SETAC Laurentian, Ottawa, Canada. Poster.

*GEWURTZ, S.B., N. GANDHI, G.A. STERN, W. FRANZIN, **M.L. DIAMOND**. 2004. Dynamics of POPs in the biota of Lake Winnipeg: a modeling approach. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Oral presentation.

*GEWURTZ, S.B., R. LAPOSA, N. GANDHI, G.N. CHRISTENSEN, A. EVENSET, D. GREGOR, T. SKOTVOLD, **M.L. DIAMOND**. 2004. A comparison of contaminant dynamics in arctic and temperate fish. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Poster presentation.

*HERNANDEZ, N. **M.L. DIAMOND**, J. TRUONG, D.M. LAPIERRE, B.L. FRYER. 2004.

Contaminant fate in organic films on impervious urban surfaces. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Poster presentation.

*LABENCKI, T.L., **M.L. DIAMOND**, J. TURONG, D.M. LAPIERRE, B.A. BRANFIREUN. 2004. Characterization of wash-off from urban impervious surfaces. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Oral presentation.

*GANDHI, N. S.P. BHAVSAR, **M.L. DIAMOND**, D. GREGOR, A. EVENSET, G.N. CHRISTENSEN. 2004. Concentrations in the aquatic food chain of Lake Ellasjoen, Bear Island, Norway. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Poster presentation.

JONES-OTAZO, H., J.P. CLARKE, ***M.L. DIAMOND**, J. ARCHBOLD, J. RYAN, E.M. HODGE, Q.-T. LIU, J. TRUONG, C.M. BUTT, M. IKONOMOU. 2004. Predicted urban loadings and risk of human health effects from multimedia exposure to semi-volatile organic contaminants. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Oral presentation.

BUTT, C.M., R.W. *WU, T. HARNER, **M.L. DIAMOND**, B.A. BRANFIREUN. 2004. Characterization of surface organic films in urban centers. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Poster presentation.

*CAMPBELL, L.M., D.G. DIXON, M. EVANS, **M.L. DIAMOND**, S.B. GEWURTZ, R.E. HECKY, K.A. KIDD, L. LOCKHART, D.C.G. MUIR, G.A. STERN. 2004. Mercury trophodynamics across latitudes. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Oral presentation.

*BHAVSAR, S.P., J. TRUONG, **M.L. DIAMOND**, B.J. FRYER. 2004. Spatial and temporal variations of metals in film on exterior surfaces of glass windows: a promising passive air sampler. 47th Annual Conf. Internat. Assoc. Great Lakes Res. Waterloo, Ont. Oral presentation.

MAKAR, P.A., **M. DIAMOND**, D.J. DONALDSON, J. TRUONG, A. ASAD, N.H. MARTINEZ, E. DEMOU and H. VISRAM. 2004. Organic absorptive partitioning: theoretical predictions and comparisons to measurements. European Geophysical Union Annual Meeting, Nice, France.

□WONG, F., **M. DIAMOND***, J. TRUONG, M. ROBSON, S. HARRAD, T. BIDDLEMAN. 2003. Accumulation and chiral analysis of organic chemicals in forest soils along an urban-rural gradient. Soc. Environ. Toxicol. Chem. (SETAC) 24th Annual Meeting in North America, Austin, TX. Oral presentation.

*□**DIAMOND, M.L.**, J.A. ARCHBOLD, S.P. BHAVSAR, M. MONABBATI. 2003. Fugacity in the city: MUM-Fate and MUM-Risk. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting, SETAC in North America, Austin, TX. Oral presentation.

*LABENCKI, T., **M. DIAMOND**, J. TRUONG, D. LAPIERRE, B. BRANFIREUN. 2003. Characterization of wash-off from urban impervious surfaces. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Poster presentation.

*GANDHI, N., S.P. BHAVSAR, **M.L. DIAMOND**, E. BYRON, J.S. KUWABARA, M. MARVI-DIPASQUALE, W. PRASKINS. 2003. Application of BIOTRANSPEC model to estimate mercury speciation, fate and bioaccumulation in Lahontan Reservoir, Nevada. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Oral presentation.

*JONES-OTAZO, H., **M.L. DIAMOND**, J. CLARKE, G.M. RICHARDSON. 2003. An international comparison of screening-level risk assessment modelling approaches. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Oral presentation.

BHAVSAR, S.P., CHENG, T. **M.L. DIAMOND**, H.E. ALLEN, N. GANDHI*, M.C. ALFARO-DE LA TORRE. 2003. Sensitivity of metal fate and transport results to speciation estimates from different chemistry models. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Oral presentation.

*BUTT, C.M., **M.L. DIAMOND**, J. TRUONG, M.G. IKONOMOU. 2003. PBDE & PCDD/F trends in organic films on interior and exterior windows along an urban-rural transect. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Oral presentation.

*BUTT, C.M., **M.L. DIAMOND**, B. BAHAVAR, G.A. STERN. 2003. Seasonal trends in surface organic films along an urban-rural transect. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Oral presentation.

*RYAN, M.L. G.A. STERN, **M. DIAMOND**, M. CROFT, S.GEWURTZ, P. ROACH. 2003. Temporal changes in contaminants and trophic levels in biota from Yukon subarctic lakes. Soc. Environ. Toxicol. Chem. (SETAC), 24th Annual Meeting in North America, Austin, TX. Poster presentation.

BUTT, C.M., J. TRUONG, **M.L. DIAMOND***, M.G. IKONOMOU. 2003. PBDE and PCDD/F concentrations in organic window films from southern Ontario. Dioxin 2003, Boston. Oral presentation.

BUTT, C.M. **M.L. DIAMOND***, J. TRUONG, M.G. IKONOMOU. 2003. PBDE concentrations in organic films from two North American cities. Brominated Flame Retardants Workshop, Boston. Oral presentation.

Diamond ML, Dupuy D, Gladki J, Hodge E, Jones-Otazo H, Labencki T. 2003. The impact of urban population growth on contaminant loadings. 46th Conf. Internat. Assoc. Great Lakes Res., DePaul, IL. Manitoba. Oral presentation.

*Gewurtz SB, Stern GA, Franzin W, **Diamond M**. 2003. Dynamics of persistent organic pollutants in the biota of Lake Winnipeg. 46th Conf. Internat. Assoc. Great Lakes Res., DePaul, IL. Manitoba. Oral presentation.

*Clarke JP, **Diamond ML**, Butt C, Liu Q-T, Truong J, Hodge E. 2003. Multimedia distribution of PCBs and PAH along an urban-rural transect. 46th Conf. Internat. Assoc. Great Lakes Res., DePaul, IL. Manitoba. Oral presentation.

*GANDHI, N., S.P. BHAVSAR, and **M.L. DIAMOND**. 2003. Development of mercury speciation, fate and bioaccumulation model. An Ecosystem Approach to the Health Effects of Mercury in the Great Lakes Basin. IJC Workshop. Windsor, ON. Poster presentation.

GEWURTZ, S.B., G.A. STERN, W. FRANZIN, L. LOCKHART, M. STANTON and ***M.L. DIAMOND**. 2002. Dynamics of organohalogen contaminants and mercury in the biota of Lake Winnipeg. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

*GANDHI, N., **M.L. DIAMOND**, W. PRASKINS, E. BYRON, M. MARVIN-DIPASQUALE and J.

KUWABAR. 2002. Development of mercury speciation, fate and bioaccumulation model: application to the Lahontan Reservoir, Nevada. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

***DIAMOND, M.L.** 2002. Lake and life: fugacity in the water. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

HARNER, T., M. SHOEIB, N. FARRAR, G. STERN, M. IKONOMOU, F.A.C.P. GOBAS, K.C. JONES and **M. DIAMOND**. 2002. Passive air sampling for POPs on an urban-rural transect north of L. Ontario. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

***BHAVSAR, S.L., M.L. DIAMOND**, M. MONABBATI and J. ARCHBOLD. 2002. Multimedia Urban Model (MUM) and its application to metals and SOCs. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

***DIAMOND, M.L.**, C. BUTT, T. DANN, T. HARNER, P. HARPER, G. KLEIN, Q. LIU, G.A. STERN. 2002. Urban-rural gradient study: atmospheric contaminant signatures and potential toxicity. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

ARCHBOLD, J.A., **M.L. DIAMOND** and M. MONABBATI. 2002. Screening-level ecological risk assessment decision support system: an urban case study. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Oral presentation.

***JONES-OTAZO, H.A., J.A. ARCHBOLD** and **M.L. DIAMOND**. 2002. Development of an integrated ecological and human risk assessment model for urban areas. Soc. Environ. Toxicol. Chem. (SETAC), 23th Annual Meeting in North America, Salt Lake City, UT. Poster presentation.

***ARCHBOLD, J.A., M.L. DIAMOND**, M. MONABBATI, S.B. GEWURTZ. 2002. Development and application of a screening-level ecological risk assessment decision support-tool. 45th Conf. Internat. Assoc. Great Lakes Res., Winnipeg, Manitoba. Oral presentation.

***BUTT, C.M., M.L. DIAMOND**, B. BAHAVAR, Q.-T. LIU, T. DANN, G.A. STERN. 2002. Atmospheric deposition from urban areas inferred from organic films on impervious surfaces. 45th Conf. Internat. Assoc. Great Lakes Res., Winnipeg, Manitoba. Oral presentation.

***GEWURTZ, S.B., W.G. FRANZIN, G.A. STERN, M.L. DIAMOND**. 2002. Mercury and stable isotopes in the Lake Winnipeg fish community. 45th Conf. Internat. Assoc. Great Lakes Res., Winnipeg, Manitoba. Oral presentation.

HARNER, T., M. SHOEIB, N. FARRAR, K.C. JONES, ***M.L. DIAMOND**, G.A. STERN, F.A.C.P. GOBAS, M. IKONOMOU, 2002. Passive air sampling for POPs on an urban-rural transect north of Lake Ontario. 45th Conf. Internat. Assoc. Great Lakes Res., Winnipeg, Manitoba. Oral presentation.

HARNER, T., M. SHOEIB, M. IKONOMOU, **M.L. DIAMOND**, K. KANNAN. 2002. Investigation of PFOS and PBDEs in air: indoor vs outdoor, urban vs. rural and partitioning to environmental organic phases. 45th Conf. Internat. Assoc. Great Lakes Res., Winnipeg, Manitoba. Oral presentation.

LIU, Q.-T., **M.L. DIAMOND**, B.E. MCCARRY, G.A. STERN, J. TRUONG. 2002. Multimedia

concentrations of semi-volatile organic compounds (SOC) along an urban-rural gradient. Soc. Environ. Toxicol. Chem. (SETAC) Europe Meeting, Vienna. Poster presentation.

LIU, Q.-T., R. CHEN, B.E. MCCARRY, M.L. DIAMOND, C.M. BUTT, J. TRUONG. 2002. Source signatures of polar compounds in atmospherically derived organic films on an impervious surface. Soc. Environ. Toxicol. Chem. (SETAC) Europe Meeting, Vienna. Poster presentation.

*ARCHBOLD, J.A., **M.L. DIAMOND**, M. MONABBATI, M. BURCHFIELD. 2001. Integrated ecological risk assessment decision support-system: an urban case study. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD. Poster presentation.

LIU, Q.-T., B.E. MCCARRY, R. CHEN and ***M.L. DIAMOND**. 2001. Polar compounds in organic films on an impervious surface: indoor activities and seasonal variation. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

*SCHRYER, D.W., **M.L. DIAMOND**, B. MCCARRY, G. STERN, Q-T. LIU and C. BUTT. 2001. Multimedia Urban Model: validation and uncertainty analysis using a dynamic Monte Carlo method. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

*BUTT, C., **M.L. DIAMOND**, B. BHAHAVAR, T. DANN, G.A. STERN 2001. Seasonal trends in atmospherically derived organic films along an urban-rural gradient. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

MONABBATI, M., ***M.L., DIAMOND**, M. BURCHFIELD, Q.-T. LIU, D. BIESBOER, P. CAPEL, W. FOREMAN and MAJEWSKI. 2001. Spatially distributed multimedia urban model for Minneapolis: Calibration and testing. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

*BHAVSAR, S.P., **M.L. DIAMOND**, L. EVANS, C. RUDNITSKI and CYPAS. 2001. Estimating metal fate using dynamic coupled equivalence multispecies fate and speciation/complexation models. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

HODGE*, E.M., **M. L. DIAMOND**, B.E. MCCARRY, G.A. STERN and P.A. HARPER. 2001. Sticky windows: chemical and biological characteristics of organic film on Toronto windows. E.hormone 2001 Conference. Center for Bioenvironmental Research, Tulane University, New Orleans, LA.

*KLEIN, G., P. HARPER, **M.L. DIAMOND** and T. DANN 2001. The interaction of air pollutants with the aryl hydrocarbon receptor and the estrogen receptor. 2001. E.hormone 2001 Conference. Center for Bioenvironmental Research, Tulane University, New Orleans, LA.

*BHAVSAR, S.P., **M.L. DIAMOND**, L.J. EVANS, P. CYPAS, K. RUDNITSKI and J. NILSEN. 2001. Estimating the fate of metals in lakes using a coupled QWASI equivalence multispecies and speciation models. 6th Internat. Conf. Biogeochem. of Trace Elements. Guelph, Ontario.

*LIU, Q.-T., **M.L. DIAMOND**, S.A. GINGRICH, J.M. ONDOV, P. MACIEJCZYK and G.A. STERN. 2001. Metals and semi-volatile organic compounds detected on an urban impervious surface. 6th Internat. Conf. Biogeochem. of Trace Elements. Guelph, Ontario.

*HODGE, E., P. HARPER, **M. DIAMOND**, B. MCCARRY, G. STERN. 2001. Sticky windows: chemical and biological characteristics of organic film on Toronto windows. Soc. Environ. Toxicol. Chem. (SETAC), 22th Annual Meeting, Baltimore, MD.

*KLEIN, G., P. HARPER, T. HARNER, B. MCCARRY, T. DANN, T. BIDLEMAN, and **M.L. DIAMOND**. 2001. The interaction of air pollutants with the aryl hydrocarbon receptor and the estrogen receptor. Canadian Federation of Biological Societies (CFBS), 44th Annual Meeting, Ottawa, ON. June 2001.

*HODGE, E., P. HARPER, **M. DIAMOND**, B. MCCARRY, G. STERN. 2001. Sticky windows: chemical and biological characteristics of organic film on Toronto windows. Canadian Federation of Biological Societies (CFBS), 44th Annual Meeting, Ottawa, ON. June 2001.

*LIU, Q.-T., **M.L. DIAMOND**, S.A. GINGRICH, J.M. ONDOV, P. MACIEJCZYK and G. STERN. 2001. Metals and semivolatile organic compounds detected on an urban impervious surface. 11th SETAC Europe Annual Meeting, Madrid, Spain. May 2001.

*LIU, Q.-T., **M.L. DIAMOND**, B.E. MCCARRY, R. CHEN. 2001. Composition of polar compounds in the organic film on exterior and interior surfaces of windows. 11th SETAC Europe Annual Meeting, Madrid, Spain. May 2001.

*BURCHFIELD, M.L., F. CSILLAG, M. MONABBATI, **M. DIAMOND**, B. JOHNSON and D. BELLUCK. 2000. Characterizing changes in scale of an urban land cover classification and its effects on the Multimedia Urban Model (MUM). Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

MONABBATI, M., ***M.L. DIAMOND**, D. BIESBOER, M. BURCHFIELD, J. ELFERING, B. JOHNSON, M. JORDAHL and D. BELLUCK. 2000. Coupling multimedia and air dispersion models with GIS to estimate SOC fate in an urban area. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

*GINGRICH, S.E., **M.L. DIAMOND**, G.A. STERN and B.E. MCCARRY. 2000. Trends in atmospherically derived organic surface films from three North American cities. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

*HODGE, E.M., P.A. HARPER, **M.L. DIAMOND**, B.E. MCCARRY and G.A. STERN. 2000. Significance of the organic film on an urban impervious surface to endocrine disruption. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

*BHAVSAR, S.P., **M.L. DIAMOND**, L. EVANS, P. CYPAS and C. RUDNITSKI. 2000. Coupling QWASI multispecies and speciation models to estimate the fate of metals in lakes. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

DIAMOND, M.L., Q. LIU, T. HARNER, G. STERN, B. BAHAVAR and J. TRUONG. 2000. Estimating indoor air concentrations of POPs using the organic film on windows. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

BAHAVAR, B., ***M.L. DIAMOND**, T. DANN, G.A. STERN and B.E. MCCARRY. 2000. Characterization of organic films on impervious surfaces along an urban-rural gradient. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual Meeting, Nashville, Tenn.

*HARNER, T., M. SHOEIB and **M.L. DIAMOND**. 2000. Indoor air uptake comparison of several passive sampling media for detecting POPs. Soc. Environ. Toxicol. Chem. (SETAC), 21th Annual

Meeting, Nashville, Tenn.

*BURCHFIELD, M.L., F. CSILLAG, M. MONABBATI and **M. DIAMOND**. 2000. Characterizing scale dependent changes in spatial pattern of an urban land cover classification and the effects on a chemical fate and transport model. 4th International Conference on Integrating Geographic Information Systems (GIS) and Environmental Modeling (GIS/EM4), The Banff Centre for Conferences, Banff, Alberta, Canada.

PRIEMER, D.A. and ***M.L. DIAMOND**. 2000. Developing a multimedia model of chemical dynamics in an urban area. Abstract submitted for presentation at International Conf. Great Lakes Res., Cornwall, Ontario.

LAW, S. and ***M.L. DIAMOND**. 2000. A comparison of enantioselective degradation of alpha-hexachlorocyclohexane in arctic and temperate aquatic systems. International Conf. Great Lakes Res., Cornwall, Ontario.

*GINGRICH, S.E., M.L. DIAMOND, G.A. STERN and B.E. MCCARRY. 2000. Wash-off of organic contaminants from urban surface films. International Conf. Great Lakes Res., Cornwall, Ontario.

*MONABBATI, M., **M.L. DIAMOND** and B.L. JOHNSON. 2000. Atmospheric dispersion coupled with multimedia distribution of semi-volatile organic compounds. International Conf. Great Lakes Res., Cornwall, Ontario.

GINGRICH*, S.E., **M.L. DIAMOND**, B.E. MCCARRY and G.A. STERN. 1999. The composition of urban organic films collected from impervious surfaces. Soc. Environ. Toxicol. Chem. (SETAC), 20th Annual Meeting, Philadelphia, PA.

PRIEMER*, D.A. and **M.L. DIAMOND**. 1999. Multimedia Urban Model: fate and transport of SOCs in urban areas. Soc. Environ. Toxicol. Chem. (SETAC), 20th Annual Meeting, Philadelphia, PA.

MONABBATI*, M. and **M.L. DIAMOND**. 1999. A chemical-particle transport model for sediment-water exchange of arsenic and salinity. Soc. Environ. Toxicol. Chem. (SETAC), 20th Annual Meeting, Philadelphia, PA.

HELM*, P.A., **M.L. DIAMOND** and R. SEMKIN. 1999. Fate of organochlorines in a high arctic lake: results from mass balance modelling. Soc. Environ. Toxicol. Chem. (SETAC), 20th Annual Meeting, Philadelphia, PA.

CHAKRABORTY, A., **M.L. DIAMOND** and M. ALAEE. 1999. The fate of organochlorines in the lakes of the Upper Yukon River Basin. Poster presented at Northern Contaminants Workshop, White Rock B.C. Sept/Oct.

DIAMOND, M.L., S.E. GINGRICH, B.E. MCCARRY, G.A. STERN and G. TOMY. 1999. Evidence for an organic film on impervious urban and rural surfaces. Dioxin'99, Venice, Italy. Vol. 41:pp.

MCCARRY, B.E., **M.L. DIAMOND**, S. GINGRICH and G. STERN. 1999. Evidence for an organic film on impervious surfaces. Paper presented at Canadian Soc. Chemistry Conf. & Exhibition, Toronto, Ontario.

TAM, E.K.L., **M.L. DIAMOND** and S. PAINTER. 1999. Dioxins and furans in the Lake Erie watershed:

A preliminary budget for urban areas. Paper presented at "Lake Erie at the Millennium" Binational Conference, Univ. of Windsor, Windsor, Ontario.

VICKERS*, S., K. BOLTON and **M.L. DIAMOND**. 1999. Sediment-water exchange of metals in an urban wet detention pond. Poster presentation at 34th Central Canadian Symposium Water Pollution Research, Burlington, Ontario.

♣**DIAMOND***, **M.L.**, N.L. LAW and S.E. GINGRICH. 1998. Quantifying atmospheric contaminant loads from urban areas: results from a multi-media model of Toronto. Paper presented at 41th Conf. of Internat. Assoc. for Great Lakes Research, Hamilton, Ontario.

♣GINGRICH*, S.E., **M.L. DIAMOND**, B.E. MCCARRY and G.A. STERN. 1998. Contaminant exchange between air and impervious surfaces in urban areas. Paper presented at 41th Conf. of Internat. Assoc. for Great Lakes Research, Hamilton, Ontario.

MONABBATI*, M., **M.L. DIAMOND** and K. BOLTON. 1998. Effect of organic matter content on the sediment-water exchange of arsenic. Paper presented at 41th Conf. of Internat. Assoc. for Great Lakes Research, Hamilton, Ontario.

DIAMOND*, **M.L.**, C.A. PAGE, M. CAMPBELL and S. MCKENNA. 1997. Life cycle approaches to contaminated site remediation: generic assessments and development of toxicity assessment approaches. Paper presented at Soc. Environ. Toxicol. Chem. (SETAC), 18th Annual Meeting, San Francisco, CA.

♣HELM*, P., **M. DIAMOND**, and R. SEMKIN. 1997. Factors affecting enantioselective degradation of α -Hexachlorocyclohexane in arctic watersheds. Paper presented at Soc. Environ. Toxicol. Chem. (SETAC), 18th Annual Meeting, San Francisco, CA.

GANAPATHY*, M. and **M.L. DIAMOND**. 1997. A multi-media model of the fate of mercury in the Lahontan Reservoir, Nevada. Paper presented at Soc. Environ. Toxicol. Chem. (SETAC), 18th Annual Meeting, San Francisco, CA.

MONABBATI*, M. and **M.L. DIAMOND**. 1997. Effect of salinity and organic matter on arsenic mobility in sediment-water systems. Poster presented at Soc. Environ. Toxicol. Chem. (SETAC), 18th Annual Meeting, San Francisco, CA.

DIAMOND*, **M.L.** and C. PAGE. 1997. Life cycle framework for assessment of site remediation options: Evaluation of six remedial options. Paper presented at Air and Waste Management Association's 90th Annual Meeting and Exhibition, Toronto.

DIAMOND, M.L.* and W. TAN. 1997. Assessing the response time of aquatic systems to changes in loadings. Paper presented at 40th Conf. of Internat. Assoc. for Great Lakes Research, Buffalo, N.Y.

LAW, N.L.* and **M.L. DIAMOND**. 1997. Using a mass balance approach to characterize urban areas as chemical sources to the Great Lakes. Paper presented at 40th Conf. of Internat. Assoc. for Great Lakes Research, Buffalo, N.Y.

MONABBATI, M.* and **M.L. DIAMOND**. 1997. The influence of secondary factors on sediment-water exchange. Paper presented at 40th Conf. of Internat. Assoc. for Great Lakes Research, Buffalo, N.Y.

GOMES, G.* and **M.L. DIAMOND**. 1997. A simple model of multimedia chemical fate in a wet

detention pond. Paper presented at 32nd Central Canadian Symp. Water Pollution Research, Burlington, Ontario.

DIAMOND*, M.L., C.A. PAGE, M. CAMPBELL AND S. MCKENNA. 1997. Using a Life Cycle Assessment approach for assessing contaminated site remediation options. Paper presented at 32nd Central Canadian Symp. Water Pollution Research, Burlington, Ontario.

EATON, S.* and **M.L. DIAMOND**. 1997. Use of a mass balance model to evaluate remedial options for a contaminated urban lake. Paper presented at 32nd Central Canadian Symp. Water Pollution Research, Burlington, Ontario.

DIAMOND*, M.L. and M. GANAPATHY. 1996. Mercury dynamics in the Lahontan Reservoir - Application of QWASI fugacity/aquivalence multispecies model. Paper presented at Soc. Environ. Toxicol. Chem. (SETAC), 17th Annual Meeting, Washington, D.C.

PAGE*, C., **M. DIAMOND**, M. CAMPBELL, R. LALL and S. MCKENNA. 1996. Life cycle assessment of site remediation options: An investigation of environmental and health impacts. Paper presented at Soc. Environ. Toxicol. Chem. (SETAC), 17th Annual Meeting, Washington, D.C.

LAW, N.L. and **M.L. DIAMOND***. 1996. Modeling the distribution of organic contaminants in an urban watershed. Paper presented at Soc. Environ. Toxicol. Chem. 17th Annual Meeting, Washington, D.C.

♣**DIAMOND***, M.L. and N. LAW. 1996. A conceptual model for evaluating the role of impervious surfaces in stormwater runoff. Workshop: Recent Improvements in Understanding Characteristics of Stormwater Runoff, Stormwater BMPs, and receiving waters. Sponsored by Ontario Ministry of Transportation, Toronto.

GIBBS, L. and **M.L. DIAMOND***. 1996. Remedial action planning: projecting the response time of Spanish Harbour sediments to loading reductions. Paper presented at 39th Conf. of Internat. Assoc. for Great Lakes Research, Mississauga, Ontario. p.36.

HELFIELD, M.J. and **M.L. DIAMOND***. 1996. Implications of wetland restoration in an urban watershed. Paper presented at 39th Conf. of Internat. Assoc. for Great Lakes Research, Mississauga, Ontario. p.54.

LAW*, N. and **M.L. DIAMOND**. 1996. Using a fugacity approach to model the distribution of organic contaminants in an urban watershed. Paper presented at Stormwater & Water Quality Management Modeling Conference, Toronto.

♣**DIAMOND***, M.L., H.M. FREITAS, M. KAWAI and R. LAPOSA. 1995. Organochlorine dynamics in arctic and subarctic lakes. Invited paper in Workshop. Second SETAC World Congress, Vancouver.

♣**DIAMOND**, M.L. 1995. Atmospheric contributions to whole lake contaminant dynamics: from the Great Lakes to the Arctic. National Atmospheric Deposition Program (NRSP-3), Technical Committee Meeting, Toronto.

HELFIELD*, J. M. and **M.L. DIAMOND**. 1995. Marsh restoration: Potential consequences for water quality and the aquatic community of the Lower Don River, Toronto, Ontario. Paper No. 54, Internat. Conf. Society for Ecological Restoration, Seattle, Washington.

FREITAS*, H.M. and **M.L. DIAMOND**. 1994. Estimating the fate of organochlorines in Arctic lakes. Paper presented at Soc. Environ. Toxicol. Chem., 15th Annual Meeting, Denver, Colorado.

GIBBS*, L., M. FAYE, **M.L. DIAMOND** and M. SCROGGIE. 1994. Seasonal changes in arsenic dynamics in a contaminated lake in eastern Ontario. Paper presented at Soc. Environ. Toxicol. Chem., 15th Annual Meeting, Denver, Colorado.

DIAMOND, M.L. and F. OLIAEI. 1994. Application of the Minnesota Fugacity/Aquivalence Model to Mercury. Poster presented at Soc. Environ. Toxicol. Chem., 15th Annual Meeting, Denver, Colorado.

FREITAS*, H.M., R.R. LAPOSA and **M.L. DIAMOND**. 1994. A Model of Contaminant Movement and Bioaccumulation in Arctic Lakes. Paper presented at 37th Conf. of Internat. Assoc. for Great Lakes Research, Windsor, Ontario.

FAYE, M.S. and **M.L. DIAMOND**. 1994. Temporal variation in the sedimentation of arsenic in a temperate lake. Poster presented at 37th Conf. of Internat. Assoc. for Great Lakes Research, Windsor, Ontario.

DIAMOND, M.L. 1993. Quantifying sediments as sources of contaminants using mass balance models. Paper presented at Interactions between Sediments and Water, Sixth International Symposium, Santa Barbara, California.

FREITAS, H., R. LAPOSA and **M.L. DIAMOND**. 1993. A model of mercury movement and bioaccumulation in Arctic lakes. Poster presented at 9th International Conf. of Heavy Metals in the Environment, Toronto.

LING, H., **M. DIAMOND*** and D. MACKAY. 1993. Application of the QWASI fugacity/aquivalence model to assessing the fate of trace metals in the water and sediments of Hamilton Harbour. Paper presented at 9th International Conf. of Heavy Metals in the Environment, Toronto.

MACKAY*, D., S. SANG, **M.L. DIAMOND**, P. VLAHOS, D. DOLAN and E. VOLDNER. 1993. Virtual elimination of toxic and persistent chemicals from Lake Superior, a mass balance study. 36th Conf. of Internat. Assoc. for Great Lakes Research, DePere, Wisconsin.

LING*, H., **M. DIAMOND** and D. MACKAY. 1993. Application of the QWASI fugacity/aquivalence model to assessing the fate of contaminants in the water and sediments of Hamilton Harbour. 36th Conf. of Internat. Assoc. for Great Lakes Research, DePere, Wisconsin.

DIAMOND*, **M.L.**, D. MACKAY and S. SANG. 1993. A mass balance view of mercury in Lakes Ontario and Superior. 36th Conf. of Internat. Assoc. for Great Lakes Research, DePere, Wisconsin.

DIAMOND*, **M.L.** and S. SANG. 1992. A model of the fate and transport of mercury in Lake Ontario. Paper presented at Soc. Environ. Toxicol. Chem., 13th Annual Meeting, Cincinnati, Ohio.

LAPOSA, R., H. FREITAS and **M.L. DIAMOND***. 1992. Contaminant behaviour in Arctic lakes. Paper presented at CAGONT, Toronto.

DIAMOND*, **M.L.** and D. MACKAY. 1992. Modelling the fate and transport of mercury in lakes: application of the fugacity/aquivalence approach. Paper presented at Mercury as a Global Pollutant, Monterey, California.

- MACKAY*, D., **M. DIAMOND**, S. SANG, F. GOBAS and D. DOLAN. 1992. Mass balancing as a strategy for virtual elimination. Paper presented at 35th Conf. of Internat. Assoc. for Great Lakes Research, Waterloo, Ontario.
- MACRITCHIE*, S.M. and **M.L. DIAMOND**. 1991. Identification of potential environmental and health concerns of soil remediation technologies. Paper presented at Canadian Waste Management/WasteTech '91 Conference, Toronto.
- DIAMOND***, **M.L.**, D. MACKAY, D. POULTON and F. STRIDE. 1991. Modelling organic and inorganic chemicals in the Bay of Quinte. Paper presented at 34th Conf. of Internat. Assoc. for Great Lakes Research, Buffalo, New York.
- MACKAY*, D. and **M. DIAMOND**. 1991. The role of mass balancing in Great Lakes management of toxic chemicals. Paper presented at 34th Conf. of Internat. Assoc. for Great Lakes Research, Buffalo, NY.
- DIAMOND***, **M.L.** and D. MACKAY. 1990. Quantifying chemical sources and fate in the Bay of Quinte: An application of mass balance models. Paper presented at Soc. Environ. Toxicol. Chem., 11th Annual Meeting, Arlington, Virginia.
- DIAMOND***, **M.L.**, M. COQUERY and P.M. STOKES. 1990. Development of a regional model of mercury accumulation in sport fish. Paper presented at Internat. Conf. Mercury as an Environmental Pollutant, Gavle, Sweden.
- DIAMOND***, **M.L.** and D. MACKAY. 1990. Modelling seasonal variations in contaminant dynamics in a small lake. Paper presented at 33rd Conf. of Internat. Assoc. for Great Lakes Research, Windsor, Ontario.
- DIAMOND***, **M.L.** and D. MACKAY. 1990. Modelling arsenic dynamics in a small lake: An examination of seasonal influences. Paper presented at 10th Annual SLANT/TRESLA Conference, Quebec City, Quebec.
- MACKAY*, D., **M.L. DIAMOND** and W. STIVER. 1990. Modelling sediment-water interactions. Paper presented at Symp. on Organic Substances in Sediments and Water, Amer. Chem. Soc. Meeting, Boston, Mass.
- DIAMOND***, **M.L.**, W. STIVER and D. MACKAY. 1989. The Linear Additivity Principle and its use for assessing chemical contributions from contaminated sediments. Paper presented at Soc. Environ. Toxicol. Chem., 10th Annual Meeting, Toronto.
- MACKAY*, D., W.Y. SHIU and **M.L. DIAMOND**. 1989. Characteristics of contaminant condensation in cold climates. Paper presented at Soc. Environ. Toxicol. Chem., 10th Annual Meeting, Toronto.
- DIAMOND***, **M.L.** and D. MACKAY. 1989. Extending the fugacity approach to inorganic chemical behaviour in lakes: estimating contributions from contaminated sediments. Paper presented at 40th Amer. Inst. Biol. Sci. Meeting, Toronto.
- DIAMOND***, **M.L.** and D. MACKAY. 1989. Modelling chemicals in the Great Lakes: Applying a novel equilibrium criterion, "equivalence". Paper presented at 32nd Conf. of Internat. Assoc. for Great Lakes Research, Madison, Wisconsin.

MACKAY*, D., **M.L. DIAMOND** and W. STIVER. 1989. A simple method for estimating chemical profiles in sediments. Paper presented at 32nd Conference of Internat. Assoc. for Great Lakes Research, Madison, Wisconsin.

MACKAY*, D. and **M.L. DIAMOND**. 1988. Aquivalence: A “new improved” substitute for fugacity in environmental modeling and interpretation. Paper presented at Soc. Environ. Toxicol. Chem., 9th Annual Meeting, Arlington, Virginia.

DIAMOND*, **M.L.**, D. MACKAY, S. LANDSBERGER, and A.G. CHENG. 1988. Modelling arsenic dynamics in a contaminated lake. Paper presented at Internat. Conf. Trace Metals in Lakes, Hamilton.

DIAMOND*, **M.L.** and D. MACKAY. 1988. Modelling the movement of inorganic chemicals in lakes. Paper presented at 31st Conf. of Internat. Assoc. for Great Lakes Research, Hamilton, Ontario.

DIAMOND*, **M.L.**, D. MACKAY, D. PHALP and S. LANDSBERGER. 1988. First a sink, then a source: arsenic dynamics in Moira Lake sediments. Paper presented at Conf. Can. Soc. Limnol., Ottawa.

DIAMOND*, **M.L.**, R.J. CORNETT and D. MACKAY. 1986. Modelling the fate of arsenic in lakes. Poster presented at Technology Transfer Conf., Ontario Ministry of the Environment, Toronto.

* author presenting the paper

∅ invited presentation

11. INVITED LECTURES

- 2014 “What have we learned (or not learned) from PBDEs?”, Institute for Chemical and Bioengineering, ETH (Swiss Federal Institute of Technology) Zurich. May 8, 2014. 1 hour.
- 2014 “What have we learned (or not learned) from PBDEs?”, Swedish University of Agriculture, Stockholm. May 6, 2014. 1 hour.
- 2013 “Following the paths travelled by halogenated flame retardants”, University of Manitoba, March 15, 2013. 1 hour.
- 2013 “Following the paths travelled by halogenated flame retardants”, Brace Centre for Water Resources Management, McGill University, January 31, 2013. 1 hour.
- 2013 “The Flame Retardant Story”, McMaster University, McMaster Institute for Environment and Health. January 19, 2013 1 hour.
- 2013 “The Flame Retardant Story”, Environment Canada, Air Quality Research Division. 1 hour.
- 2012 “Recent advances in metal characterization”, co-sponsored by University of Copenhagen (Faculty of Sciences) and Danish Technical University (Dept of Environ Engineering)
- 2012 “The flame retardant story”. Stockholm University. In the series “Lectures in Contaminant Science”, and a 2nd lecture at IVL Swedish Environmental Research Institute, Stockholm.
- 2011 “Tracing chemicals from source to exposure”. Lecture & webinar at Ontario Agency for Health Protection and Promotion. May 2011.
- 2011 “Stockholm Convention in the context of preventative engineering, alternatives assessment, and sustainability re: POPs”. Plenary address at “RECETOX Workshop. Identifying the research needs in the global assessment of toxic compounds ten years after the signature of the Stockholm Convention”. Brno, Czech Republic, 22-24 May 2011.
- 2011 Emerging pollutants. Innolec Lectures. Masarykova Univerzita, Czech Republic.
- 2010 Where are chemicals in the lakes coming from and what does it mean? Toronto and Region Conservation Authority, Great Lakes Evening,
- 2010 Sources of brominated flame retardants: BFRs - from source to lake. Webinar organized

- by the Great Lakes Commission.
- 2010 Tracing the pathways of polybrominated diphenyl ethers. CML Leiden University, The Netherlands.
- 2010 Connecting metal emissions with ecotoxicology through modelling. Departments of Chemistry and Physics, Trent University.
- 2010 Where the water hits the road – urban water pollution issues. University of Maryland at Baltimore.
- 2009 Contaminants in Us -- Much Ado about Nothing or Serious Stuff? Dept of Chemistry, University of Winnipeg. Departmental seminar.
- 2009 The Science, Art and Politics of Chemical Management. SETAC Laurentian Annual Meeting, Plenary Talk.
- 2009 Source to sink to management and beyond: the story of PCBs. Dept. of Chemistry, UmeÅ University, Sweden.
- 2009 Can we manage our toxics? From science to policy to politics. Duke University, North Carolina.
- 2008 The Simpsons, Toxic Chemicals and the Future. Centre for Environment, University of Toronto.
- 2008 The Simpsons, the Chemical Management and the Future of the World. Ontario Ministry of Environment.
- 2008 Bisphenol A and Ontario’s Toxic Reduction Strategy”, Ontario Ministry of Environment, Drinking Water Division, Drinking Water Symposium, Toronto, June 17, 2008,
- 2008 How did that chemical that was inside my computer get inside me? Royal Canadian Institute seminar series.
- 2008 Urban Thin Films. AirUCI* Annual Workshop, Invited opening talk, University of California at Irvine. *Atmospheric Integrated Research: Understanding Chemistry at Interfaces.
- 2007 Approaching sustainability: cities, contaminants and health. University of Saskatchewan
- 2007 Tress and People in Cities: How do we best achieve health benefits? International Congress “A Global Vision of Forestry in the 21st Century”, Faculty of Forestry, University of Toronto.
- 2007 Connecting the dots between contaminant emissions and exposure in cities. CEAS Seminar Series. Dept. of Chemical Engineering. University of Manchester.
- 2007 Connecting the dots between contaminant emissions and exposure. Division of Environmental Health and Risk Management. University of Birmingham.
- 2006 POPs in the City. Plenary lecture, 1st Network Conference on Persistent Organic Pollutants: human exposure and impacts, University of Birmingham.
- 2006 Chemical contaminants in Toronto: Concentrations to potential effects. Health Canada Workshop, Place Matters: Health Difference in Ontario Cities and Neighbourhoods.
- 2006 Brominated flame retardants – from source to exposure. Environmental Physician’s Group of Ontario Medical Association, seminar series “Clinical Reviews”.
- 2005 Brominated flame retardants: environmental pathways and human exposure. Dept. of Environmental Chemistry and Energy, Weizmann Institute, Israel.
- 2005 Tracing contaminant sources and potential health effects: the Toronto experience. Environment & Health seminar series, Institute for Environmental Studies, University of Toronto.
- 2004 9/11: The chemical signature. University of Birmingham.
- 2004 The fate, exposure & potential risks of persistent organic pollutants in urban areas. Makerere University.
- 2004 Air pollution-health connections: complexity at its best. Guest speaker, Symposium on Windsor Air Quality, sponsored by Windsor Essex County Environment Committee,

- Windsor, Ontario.
- 2003 Surface films on impervious surfaces: implications for contaminant fate and effects. PPG Industries (Pittsburgh Plate and Glass), Glass Technology Center, Pittsburgh, PA.
- 2003 Cities: The Good, the Bad and the Ugly. Invited seminar, Great Lakes Institute for Environmental Research, University of Windsor.
- 2003 Multimedia Movement and Risk of Contaminants in Urban Areas. SETAC, Laurentian Chapter. Keynote address.
- 2002 Contaminant Fate and Effects in Urban Areas. Invited seminar, Meteorological Service of Canada, Environment Canada.
- 2002 Cities: Contaminant Fate and Effects. Invited seminar, Health Canada.
- 2002 Urban Toxics Monitoring in Toronto. Binational Toxics Strategy Integration Workgroup Meeting, co-sponsored by Environment Canada and the United States Environmental Protection Service. Windsor.
- 2002 Estimating the fate, bioavailability and potential toxicological risk posed by metals in the environment. Keynote address, International Workshop on Life Cycle Assessment and Metals. Co-sponsored by UNEP, SETAC, APEC-GEMEED, ICMM and NRCan. Montreal.
- 2002 Methods of Model Validation: Principles and Examples. Invited presentation at International Workshop on "Design of exposure multi-media models and conditions for application to soil pollutants: an international workshop." Organized by Institut de Veille Sanitaire, France.
- 2001 Urbanization: Effects on Contaminant Fate. Dept. of Environmental Engineering, Ryerson University.
- 2000 Current issues in urban air pollution. Presentation to the Environmental Assessment and Appeal Board of the Ontario Ministry of the Environment.
- 2000 Multimedia models: description and assessment for air quality modelling. Workshop on Combining Environmental Fate and Air Quality Modeling, Sponsored by the Reactivity Research Working Group Subgroup 3 on Atmospheric Availability and Environmental Fate, Research Triangle Park, NC.
- 2000 Chemical contaminants in urban areas and their potential impacts on human and ecosystem health. Issues in Urban Health. 22nd University College Symposium. Jan 31 to Feb 4, 2000.
- 1999 Fate and transport of toxics in urban ecosystems. Department of Geography, University of Maryland, Baltimore County and Baltimore Ecosystem Study.
- 1999 Behaviour of arsenic in Moira Lake. "How Healthy is the Moira" workshop, Trent University.
- 1999 Contaminants in urban areas: movement and effects. Environment and Health Seminar Series, Institute for Environmental Studies and Gage Occupational and Environmental Health Unit, University of Toronto.
- 1998 The multi-media movement of contaminants in urban areas and their accumulation on impervious surfaces. York University, Department of Geography Graduate Programme.
- 1997 Multi-media chemical distribution in urban areas: the role of organic films. State University of New York at Albany, Department of Environmental Health and Toxicology, School of Public Health.
- 1997 An overview of multi-media modelling and its use as a decision-making tool. Minnesota Department of Transportation.
- 1997 Mercury in aquatic systems. Invited presentation at "Mercury elimination and reduction symposium", Organized by Pollution Probe. Toronto, Ontario.
- 1997 Mercury cycling in the environment and its toxicological implications. Environment and Health Seminar Series, Institute for Environmental Studies and Gage Occupational and Environmental Health Unit, University of Toronto.

- 1996 Can we build habitable cities without damaging the environment? Public forum on “Mitigation of Environmental Impacts of Urban Development”. Co-sponsored by the York Chapter, Professional Engineers Organization and the Rotary Club of Richmond Hill.
- 1996 Mercury: what models can tell us. Seminar sponsored by: Severson Environmental Services, Inc., Dept. of Civil Engineering, Great Lakes Program and NYS Center for Hazardous Waste Management, University of Buffalo.
- 1994 Contaminants in Arctic Lakes: Behaviour and Fate. Ecology Seminar Series, Co-sponsored by Departments of Botany and Zoology, University of Toronto.
- 1992 A simple model of mercury dynamics in a lake. Ontario Hydro, Research Division, Toronto.

D. LIST OF COURSES

12. a. UNDERGRADUATE COURSES TAUGHT

- 2014-present ESS 299Y. UNDERGRADUATE RESEARCH OPPORTUNITY. Clara Thaysen. Contaminant-Fabric Dynamics: Experiments assessing sorption and release.
- 2013-present BIG 102Y. THE INTERNET: SAVING CIVILIZATION OR TRASHING THE PLANET? One of three instructors for this high profile 1st year course.
- 2010-2013, 2015 GGR 308. PHYSICAL ASPECTS OF THE CANADIAN ARCTIC AND SUBARCTIC. Chief cook and bottle washer.
- 2009-2013 JGE 236Y. HUMAN INTERACTIONS WITH THE ENVIRONMENT. Course coordinator, co-taught. 2012 offered as a ½ course.
- 2006-2008 JEG 221Y ENVIRONMENTAL AND SUSTAINABLE DEVELOPMENT. Course coordinator (with S. Scharper in 2006-07). Delivery of 1/3 of lectures plus participation in 3 panel discussions, review, etc. Jointly offered by Geography and Centre for Environment.
- 2001-02, 04 GGR 307S SOIL AND WATER: LANDSCAPE PROCESSES. Responsible for course that includes lectures, group research projects, problem set and exam.
- 2000-07 SCI 199Y1 ENVIRONMENTAL CHANGE. Co-taught with Tony Davis or Danny Harvey. IMAGES AND INDICATORS: MEASURING ENVIRONMENTAL PERFORMANCE. Co-taught with Virginia Maclaren.
- 1997-98 GGR 299Y RESEARCH OPPORTUNITY PROGRAM. Diane Leal and John Roppa.
- 1994-2006 GGR 233Y ENVIRONMENTAL MANAGEMENT FOR SUSTAINABLE DEVELOPMENT. Spring term. Co-lectured with J. Newton in 1994. Enrolment starts at 200, with about 150 finishing. Enrolment in 2003 is 180. Responsible for lectures, supervising T.A.s, assignments and final exam (marked part thereof). The course introduces students in the Environment and Resource Management Program with the scientific (basic and applied) basis of environmental issues.
- 1994-95 GGR 491Y INDEPENDENT RESEARCH I. Lisa Sumi (co-supervised with J. Gerits and M. Alae, National Water Research Institute).

- 1997-98 Katina Kominos.
 1992-93 Andrew Rodie (co-supervised with J. Gerits);
 2003 Alison Bodurtha.
 2013 Brielle Carriero (half credit)
- 1993-2002 ENV 221Y APPROACHES TO ENVIRONMENTAL ISSUES I. Team taught with Prof. J. Grant, Prof. S. Scharper and Dr. M. Winfield. My component is 6 weeks. Enrolment 60 to 85. Provides students with the approaches taken to environmental issues by various disciplines, using a case study as a unifying theme. I teach the environmental science/physical geography component, discussing the scientific concepts and approaches specific to the case study.
- 1993-97 ENV 200Y ASSESSING GLOBAL CHANGE: SCIENCE AND THE ENVIRONMENT. Prof. A. Zimmerman coordinates and lectures for most of the course, with my component being 2 to 3 weeks. Enrolment about 300. Science breadth course. Goal is to expose non-science students with the science behind environmental issues.
- 2008-09 ENV 498Y INDEPENDENT RESEARCH IN ENVIRONMENT. David Berliner
 2000 Christina Lee (co-supervised with D. MacDonald).
 1995-96 Jean-Guy Pageau
 1997-98 Kirsten Fertuck
- 1993-94 INI 491Y INDEPENDENT STUDY. Tulio Bugada, Steve Drescher, Steven Ogilvie.
 1992-93 Neil Banerjee (co-supervised with S.D. Scott, Geology, Geotechnical Engineering); Maria Terra (co-supervised with L. Grima).
 1991-92 Leslie Megson (co-supervised with R. Shimizu, Institute for Environmental Studies), Michelle Perera.
- CHE 499Y THESIS (CHEMICAL ENGINEERING)
 2010-11 Evelyn Mukwedeya “Spatial and temporal variations of phthalate concentrations in Vancouver homes”
 2009-10 Vivian Cheung
 2005-06 Jennifer Sears
 2004-05 Queenie Cheung
 2003-04 Bushra Drir
 2001-02 Ian Collins
 1999-00 Liam Moore, Trinh Tieu
 1993-94 Alan Teare
- 1992-2012 GGR 409F CONTAMINANTS IN THE ENVIRONMENT. Enrolment up to 30. From 1993 to present, physical science course. Responsible for all components of course. Lectures are supplemented with tutorials to provide students with a scientific understanding of the processes and factors controlling contaminant behaviour and effects in the environment. Problem sets introduce quantitative methods to estimate chemical fate, including simple mathematical modelling.
- 1992 (spring), 1992-93 INI 220Y ENVIRONMENTAL FACTORS AND DECISION MAKING.
 Enrolment 100. Responsible for lectures, supervising T.A.s, assignments and final exam (marked the latter). Provided students with tools for environmental assessment and sectoral impacts. Included guest lectures.

1992, 1993 INI 320Y CANADIAN ENVIRONMENTAL ISSUES. Spring term. Enrolment 80. Responsible for lectures, course organization, supervising T.A.s and marking portion of student reports. Co-taught with Dr. Beth Savan in 1992-93. Using principles of adult education, students were guided through two research projects in the term.

12. b. GRADUATE COURSES TAUGHT

1992-2013 JGE 1212H CONTAMINANTS IN THE ENVIRONMENT. Offered in conjunction with GGR 409 in 1992-93 and 1994-95, 1995-onwards (science version), offered as stand-alone social science course in 1993-94 and 1995-96. Enrolment varies from 5 to 13. Course has shifted from first catered to all graduate students, next for social science and planning students, and finally for science and health students. Course introduces scientific concepts behind environmental concerns and discusses policy and scientific aspects of selected environmental topics. Now offered as JGE 1212H, jointly listed with Centre for Environment.

2010 GGR 1200F PHYSICAL GEOGRAPHY CORE COURSE. Co-taught with W. Gough.

1996-1997 GGR 1213S FATE OF CONTAMINANTS IN LAND AND WATER. Co-taught with K. Bolton in 1996. Physical science course covering contaminant-soil interactions (Bolton) and multimedia contaminant dynamics (Diamond).

1995-1997 GGR 1400H CURRENT RESEARCH APPROACHES IN ENVIRONMENTAL GEOGRAPHY. Introduction to research methods, and development and vetting of research proposal. Directly supervise my graduate students and contribute to lectures.

1995-96, 01, 03 GGR 1149H READINGS IN SELECTED TOPICS. Judy Fedorowick, Sherry Eaton, Sarah Gewurtz, Lise Sabatier

1994-95 GGR 1400H CURRENT RESEARCH APPROACHES IN ENVIRONMENTAL GEOGRAPHY. Co-coordinator (with R. Jaakson), enrolment about 10.

1993-94 GGR 1400H CURRENT RESEARCH APPROACHES IN ENVIRONMENTAL GEOGRAPHY. Course coordinator.

2000 MSC 4000 SEMINARS IN ENVIRONMENT AND HEALTH. Team taught with F. Silverman and D. Cole. Seminar course designed to expose students to current topics and researchers in the multidisciplinary field.

1990-91 ESE 1008S ENVIRONMENTAL MANAGEMENT II: REMEDIAL ACTION PLANS IN THE GREAT LAKES. Course coordinator and lecturer, co-designed course (with G. Krantzberg).

1989 ESE 1014F AQUATIC CHEMISTRY. Developed and coordinated course, lectured and evaluated students.

1989 ESE 1006S MAN-ENVIRONMENT THEORY II. Co-coordinator. Lectured and provided project supervision.

Short Courses:

2000-2002 “Fundamentals of Risk Assessment”, Short course offered by Professional Development

Centre, Faculty of Applied Science and Engineering. Co-taught with M. Monabbati and J. Archbold.

Guest Lectures in University Courses:

- 2012 Guest lecture in Faculty of Medicine, Determinants of Community Health (DOCH) course, Year 1, Semester 2. 1 hour lecture with 2 ours prep. " health promotion, including individual and community-level health promotion strategies, as well as health protection, including a focus on environmental and occupational health." Developed lecture in 2011-2012, delivered lecture in May 2, 2012-2013.
- 2013 Guest lecture, ENV 100, Oct 11, 2012, 2 hours
- 2013 Guest lecture, ENV 221, late October & early November. 2, 1 hour lectures = 2 hours total
- 2008-2013 JEH 445 (Assisted with design of course curriculum)
- 2004-2012 ES 9030 Environmental Applied Science and Management Program, Ryerson University
- 1987-2013 PCL 473/JNP 1014Y Interdisciplinary Toxicology.
- 1999 MSC4000 Seminars on Environment and Health.
- 1990,92,94,97,00,01 JNP 1016S Graduate Seminar in Toxicology.
- 1992-1993 GGR 1200H Physical Geography Core Course.
- 1992 ESE 1014S Aquatic Chemistry.
- 1990 POL 102 Introduction to Issues in Canadian Politics.
- 1990 CHE 201F Physico-Chemical Principles I.

12. c. THESES SUPERVISION

Department of Earth Sciences, M.Sc., Theses:

- 2012-present Daniela Serodio. Physical-chemical properties and persistence of organic flame retardants.

Department of Geography, Ph.D. Theses:

- 2011-present Golnoush Abbasi. Material flow analysis of PBDEs as a result of changes in policies from 1970-2020.
- 2007-2014 Jennifer Sawyer. Evaluating the transfer and accumulation of polyunsaturated fatty acids in freshwater food webs: a modeling approach Winner of 2010 International Assoc Great Lakes Res Graduate Student Award, .2011 Winner of J.E.R. Ross Scholarship from Dept of Geography UofT. Maternity leave spring 2012-current.
- 2000-2005 Sarah Gewurtz. An evaluation of factors controlling the dynamics of persistent organic pollutants in aquatic food webs: a modeling approach. Winner of Canadian Water Quality Association Graduate Fellowship. NSERC Scholar.
- 1996-1998 Neely Law. Transferred Ph.D. to University of North Carolina.

Department of Geography, M.Sc., Theses:

- 2006-2008 Xianming Zhang. Measurement and modelling of indoor concentrations of PCBs and PBDEs.
- 2005-2007 Lisa Melymuk. The multi-media movement of trace organic contaminants in an urban and urbanizing watershed. NSERC Scholar.
- 2005-2007 Liana del Gobbo. Risks and benefits: Contaminant and omega 3 fatty acid concentrations in fish and seafood consumed by the South-East Asian community.
- 2003-2005 Rosa Wu. Films on impervious surfaces: accumulation properties, contaminant concentrations and partitioning characteristics. Co-supervised with T. Harner, Environment Canada.
- 2002-2004 Tanya Labencki. Film-water exchange from impervious surfaces.
- 2001-2005 John Clarke. Applying the Multimedia Urban Model to measured PCBs, PAH and PBDEs

- in urban areas. Part-time student.
- 2001-2004 Heather Jones-Otazo. Development of MUM-FamRisk to estimate potential health effects of contaminant exposure in urban areas. Winner of 2003 Gordon Cressy Student Leadership Award, Labatt Fellowship, John Brown Award and Goerge Burwash Langford Prize, Univ of Toronto. NSERC Scholar.
- 2000-2003 Josephine Archbold. The Multimedia Urban Model: development and application of a screening-level ecological risk assessment model. Winner of 2002 Gordon Cressy Student Leadership Award, Sperrin Chant Masonic Award in Toxicology.
- 2000-2003 Craig Butt. Chemical and physical characterization of organic films on an impervious surface. Winner of 2002 Gordon Cressy Student Leadership Award, Labatt Fellowship.
- 1999-2002 Fiona Wong. Investigating persistent organic pollutants in soils along an urban-rural gradient. 1999-2002.
- 2001 Erin Hodge. Aryl hydrocarbon receptor mediated toxicity of the complex mixture of organic film from urban impervious surfaces. Co-supervised with P. Harper, Dept. of Pharmacology.
- 2000 Sheryl Law. Factors affecting the occurrence, isomer ratio and enantioselective degradation of hexachlorocyclohexane in arctic and temperate aquatic systems. 1998-00.
- 1999 Shannon Vickers. Metal accumulation and sediment-water exchange in an urban wet detention pond. Co-supervised with K. Bolton. 1997-99.
- 1999 Yau-Fei Chan. The effect of arsenic speciation on sorption and desorption to and from natural sediment. Co-supervised with K. Bolton. 1997-99. NSERC Scholar
- 1999 Sarah Gingrich. Chemical characterization of an organic film on impervious surfaces.
- 1996 Neely Law. Developing a simple model of chemical distribution in an urban watershed. 1994-96.
- 1993 Helen Wen Ling. Application of the QWASI fugacity/aquivalence model to assessing the fate of contaminants in the water and sediments of Hamilton Harbour. D. Mackay, co-supervisor. 1991-93.

Department of Geography, M.Sc., Research Papers:

- 1999 Marcy Burchfield. Characterizing scale dependent changes in spatial pattern of an urban land cover classification and the effects on a chemical fate and transport model. Co-supervised with F. Csillag. 1998-99.
- 1996 Glynn Gomes. The fate of organic contaminants in wet water detention ponds. 1995-96.
- 1996 Sherry Eaton. Application of the QWASI fugacity model to selected PAHs in Mohawk Lake, Brantford: An assessment of contaminant dynamics and system recovery. 1993-96, part time; 1994-96*.
- 1996 Judy Fedorowick. A multi-media inventory of pollutant loadings to the Don River watershed. 1992-96, part time; 1994-96*.
- 1996 Virginia Heffernan. Estimating *in situ* degradation rates for petroleum products in the Lower Don Lands, Toronto, Ontario. 1993-96. Leave of absence 6/94-1/95; 1/95-1/96, part time.
- 1995 Peter Jackson. Weekday-weekend variations of tropospheric ozone in the Metropolitan Toronto Region. 1993-95. 5/94-1/95, part time.
- 1994 James Helfield. Evaluating the use of wetlands in the Lower Don Lands. 1993-94.
- 1994 Margaret Faye. The role of primary production in the removal of arsenic from the waters of Moira Lake. 1992-94.

Department of Geography, M.A., Research Papers:

- 1993 Fredrick Bernard. Regulatory framework pertaining to toxics in Canada -- Southern Ontario in-service PCB case study. 1989-93, part time; 1992-93*.

Department of Geography, M.Sc.Pl.:

- 1997 Mark James. Analysis of the PCB destruction program at the contaminated site of General Electric in City of Toronto.
- 1993 Yvette Ali. A strategy for integrated pollution prevention and planning for Ontario.
- 1993 Rita Mezei. Site remediation planning process in Ontario: the need for reform. J. Whitney, co-supervisor.

Department of Chemical Engineering and Applied Chemistry, Ph.D. Theses:

- 2010-2013 Sri Chaudhuri. Measuring and understanding the indoor fate of, and exposure to phthalate esters. Withdrew April 2013.
- 2007-2012 Susan Csiszar. Estimating urban scale semi-volatile organic compound emissions and fate using a coupled multimedia and atmospheric transport model. OGS
- 2007-2012 Lisa Melymuk. Semi-volatile organic contaminants in the urban atmosphere: spatial and seasonal distributions and implications for contaminant transport. Winner of Eco-Tech Founders Award, 2007-08, Winner Sperrin Chant Masonic Award 2008, NSERC Scholar, Winner of Edward Jarvis Tyrrell Fellowship of 2011.
- 2006-2011 Nilima Gandhi. Improvements in hazard and Life Cycle Impact Assessment method for metal in freshwaters: addressing issues of metal speciation, fate, exposure and ecotoxicity. 2 NSERC Centennial Scholarship. Winner John R. Brown Prize 2008, Winner of Chris Lee Award from the Society of Environmental Toxicology & Chemistry and the International Copper Institute, 2010, Winner of Ray Langford Prize, Centre for Environment 2011.
- 2002-2007 Elisabeth Galarneau. Particle-gas partitioning of PAH: analysis and modelling.
- 2002-2005 Satyendra Bhavsar. Development of a coupled metal transport-speciation model for surface aquatic systems and its extension to soil.
- 1999 Mehran Monabbati. Effect of salinity and organic matter content of sediments on the sediment-water exchange of arsenic. 1994-99.

Department of Chemical Engineering and Applied Chemistry, M.A.Sc. Theses:

- 2013-present Jimmy Truong. Organophosphosphate flame retardants and plasticizers in the Greater Toronto Area.
- 2012-present Anna Krol. Development and evaluation of the Indoor Multimedia Assessment Model.
- 2010-2013 Sumera Yacoob. Examining Model Predictions of Zinc and Copper Aqueous Speciation and Freshwater Ecotoxicity: Case Study of Ross Lake, Flin Flon, Manitoba, Canada.
- 2006-2007 Susan Csiszar. The fate of PCBs and PBDEs in urban areas: application of the Multimedia Urban Model. By-pass to PhD.
- 2004-2007 Julie Sommerfreund. Evaluation of contaminant fate in the Venice Lagoon using a multi-segment fugacity/aquivalence model and a probabilistic uncertainty analysis.
- 2004-2006 Roshanak Razavi. Contaminant fate in the Bay of Quinte: a modeling assessment.
- 2003-2004 Harshan Radhakrishnan. Optical imaging and investigation of the development of organic films. Co-supervised with S.Liss, Ryerson University. Changed supervisors.
- 2003-2005 Nadia Martinez Hernandez. Chemical characterization of organic films.
- 2001-2003 Nilima Gandhi. Modelling mercury in the Lahontan Reservoir and food web, Nevada.
- 2000-2002 David Schryer. Multimedia Urban Model: refinement and application. Withdrew.
- 1999-2002 Satyendrakumar Bhavsar. Coupling chemical speciation and fate models: estimating the fate of metals in Ross Lake, Manitoba. By-pass to Ph.D.
- 2000 David Priemer. The multimedia urban model: assessing the fate and transport of semivolatile organic compounds in urban areas. 1998-00. NSERC Scholar.
- 1999 Ayan Chakraborty. Modelling organic contaminants in lakes of the Upper Yukon River basin. Withdrew.
- 1999 Paul Helm. Degradation of α -Hexachlorocyclohexane and organochlorine contaminant

- fate in high arctic lakes. 1996-99. NSERC Scholar.
- 1997 Murali Ganapathy. Modelling mercury dynamics in the Lahontan Reservoir, Nevada. 1995-97.
- 1994 Hilary Freitas. Modelling organic and inorganic chemicals in Arctic lakes. 1992-94.

Department of Chemical Engineering and Applied Chemistry, M. Eng. Papers:

- 1995 Makoto Kawai. A preliminary model to estimate chemical behaviour in lakes of the Upper Yukon River Basin. 1993-95; 1994-95*.
- 1994 Lennox Gibbs. A seasonal model for arsenic dynamics in Moira Lake. 1993-94; 1994*.
- 1994 Rochmi Widjajanti. Developing environmentally sound technology for the palm oil industry. 1991-94; 1993-94*.

* Time under my supervision.

Dalla Lana School of Public Health, M.Sc. Theses or research projects:

- 2013 Caryn Thompson. Analysis of phthalate concentrations indoors (withdrew from project)
- 2012-present Fe de Leon. Flammability standard setting in Canada.
- 2003-2005 Shelby Yamamoto. The status and potential health risks of PAH in Kampala, Uganda. Co-supervisor with Donald Cole. Winner of Eric Krause Award.

Department of Physical and Environmental Sciences, Ph.D. Theses:

- 2012-present Joseph Okeme. Indoor passive air sampling of semi-volatile organic compounds.
- 2011-present Aman Sanai. The role of clothing in human exposure to semi-volatile organic compounds.

Additional Graduate Related Activities:

Ph.D. Supervisory Committees University of Toronto

- 2012-present Matt Binnington, PhD committee member, (Dept Physical & Environ Sci, UTSC).
- 2012 John Westgate, Final PhD defense committee member (Dept of Chemistry)
- 2011-2012 Serguei Stremilov, UTSC Physical and Environmental Sciences, Member of reading & comprehensive examination committee. (Dept Physical & Environ Sci, UTSC).
- 2010-present Alex Gudinov., Member of reading committee. (Dept Physical & Environ Sci, UTSC).
- 2010 Fiona Wong. Dept of Chemistry, University of Toronto. Member of Senate oral committee. (Dept of Chemistry)
- 2010-2012 Christina Quinn. Dept of Chemistry, University of Toronto. Member of Senate oral committee. (Dept of Chemistry)
- 2010-2011 Xianming Zhang, Dept of Chemistry, University of Toronto. Member of reading and PhD committees. (Dept of Chemistry)
- 2007-2014 Kelly Sabaliauskas, Dept of Chemical Engineering. Member of reading committee.
- 2008-2013 Maryam Ramin, Dept. of Physical and Environmental Science, UTSC. Member of reading committee.
- 2008 Fiona Wong, Dept. of Chemistry, Member of qualifying oral committee
- 2007 Gillian Daly, Dept. of Chemical Engineering. Member of final PhD examination committee.
- 2007 Sarah Hershorn. Dept. of Geology. Member of final PhD examination committee.
- 2006-2010 Julian Cleary, Dept. of Geography, Member of comprehensive examination committee.
- 2003-2007 Chris Eckley, Dept. of Geography. Member of reading committee and defense committees.
- 2000-2007 Adam Cornwell. Dept. of Geography. Member of reading committee and department defence committee.
- 2007 Chris Warren, Trent University. External Examiner on Ph.D. oral defense.
- 1999-2004 Levi Waldron. Faculty of Forestry. Member of reading and final examination committee.
- 1999-2002 Paul Helm. Dept. of Chemical Engineering. Member of reading committee.

- 1999–2009 Liisa Jantunen. Dept. of Chemical Engineering. Member of reading committee.
 1997 Tom Harner. Dept. of Chemical Engineering. Member of examination committee.
 1997-2001 Jonathan Schwartz. Dept. of Political Science. Member of reading committee.
 1997-1999 Chris Desousa, Dept. of Geography. Member of reading, comprehensive exam, departmental defense and final defense committees.
 1996-2000 James Smith, Dept. of Geography. Member of reading and comprehensive exam comm.
 1996 Steven Young, Dept. of Material Science and Metallurgy. Member of reading and examination committee, Internal examiner for Senate oral.
 1994-1998 Annameiki Farenhorst, Dept. of Geography. Member of reading and exam. committee.
 1995-2000 Cathy Cottrell. Dept. of Chemical Engineering. Member of reading, departmental defense and final defense committees.
 1995-1998 Edwin Tam. Dept. of Civil Engineering. Member of reading, comprehensive exam, departmental and final defense committees.
 1994 Frank Wania, Dept. of Chemical Engineering. Member of Dept. and Senate oral committees.
 1993 Kathleen Jagger. Dept. of Geography. Member of oral comprehensive examination committee.

Master's Committees, Dept. of Geography

- 2010 Nyssa Clubine, M.Sc.
 2008 Tony Zhang, M.Sc.
 2004 Yvonne Feng, M.Sc.
 2003 Angelika Bayer, M.Sc.
 2002 Carl Mitchell, M.Sc.
 2001 Maggie Young, M.Sc.
 Frank Donnelly, M.A.
 Kyle Hodder, M.Sc.
 Carrie Lillyman, M.Sc.
 1999 Andrew Cornwell, M.Sc.
 Vivian Campbell, M.Sc.
 1997 James Sterling, M.Sc.
 Anastasia Svirejava, M.Sc.
 Dan Fitzgerald, M.Sc.
 Eric Krause, M.A.
 Sue Asprey, M.Sc.Pl.
 1996 Heather Alexander, M.A.
 Keilly Griffiths. M.Sc.Pl.
 Neil Mallen. M.Sc.Pl.
 Andrew Rodie, M.Sc.
 1994 Sue Dickson. M.Sc.
 Claire Woolveridge. M.A.
 Larry Dufay. M.A.
 Val Aloe. M.Sc.Pl.
 1993 Sarah Cowell. M.Sc.
 Simon Benger. M.Sc.
 Sean Ledgerwood. M.A.
 1992 Huang Zhen. M.Sc.
 Kerry Lakatos-Hayward. M.Sc.Pl.

Master's Committees, Dept. of Chemical Engineering and Applied Chemistry

- 2010 Bernadette Assamoi. M.Sc.Eng. project defense

2007 Kelly Sabaliauskas, M.A.Sc. bypass oral.
 2002 Elizabeth Gilmore, M.A.Sc.
 2000 Yan Liang, M.Eng.
 1994 Penny Vlahos. M.A.Sc.
 1993 Shirley Thompson. M.Eng.
 1991 Robert Caron. M.A.Sc.

Master's Committees, other departments and universities

2006 Christopher Warren. Trent University. External examiner.
 2002 David Wasserstein. Institute of Medical Sciences. Internal examiner.
 2002 Gail Klein, Dept. of Pharmacology. External examiner.
 2002 Charlotte Corda, Dept. of Pharmacology. External examiner.
 1999 Matt McLeod. Trent University. External examiner.
 1992 Fereshteh Hashemi, Dept. of Botany. M.Sc.

External PhD Examiner

2013 Michael Owsianiak, Danish Technical University
 2013 Paul Messing, University of Manitoba
 2012 Karen Sogaard Christiansen, University of Copenhagen
 2011 Karen Lavin, University of Otago, New Zealand
 2010 Anneke Sleeswijk, Leiden University, The Netherlands
 2010 Emma Goosey, University of Birmingham
 2009-10 Nadia Abdelouahab, Universite de Quebec a Montreal. External reviewer.
 2009 Kristina Sundqvist, University of Umeå, Sweden
 2007 Cecile Bulle, Dept of Chemical Engineering, Ecole Polytechnique, Montreal, Quebec.
 External examiner for PhD

Additional Supervisory Activities:

Post-Doctoral Fellows

2014-present Congqiao Yang, PhD.
 2010-2013 Emma Goosey, Ph.D.
 2007-2009 Cristian Mugnai, PhD. (visiting from Italy)
 2006-2010 Matthew Robson, Ph.D.
 2005-2006 Marco Belmont, Ph.D.
 1999-2002 Qintao Liu, Ph.D.
 1999-2001 Bagher Bahavar, Ph.D.
 1999-2002 Mehran Monabbati, Ph.D.
 1998-1999 Nisheeth Bahadur, Ph.D.

Visiting Scholars

2011-2012 Anping Zhang, Assoc. Prof, Zhejiang University, Hangzhou, China. Spending most of his time at Environment Canada.
 2011-2012 Qi Hong, Assoc. Prof, Harbin Inst Technology, Nanjing, China
 2010 Deqi Xiong, Ph.D., Dalian Maritime University, China
 2006 Radka Alexy, Ph.D.

Visiting Students

2013 Sandra Brommer, University of Birmingham, U.K. PhD candidate. 3 month visit.
 2012 Maria Bialo, National School for Water and Environmental Engineering of Strasbourg (ENGEES)

Research Associates

2013	Jimmy Truong
2012	Daniela Serodio
2011	Clayton Catching
2010-2011	Stefanie Verkoyoen
2008-2009	Catherine Abreu
2007-2008	Liana del Gobbo, M.Sc.
2003-2005	Nilima Gandhi, M.Sc.
2004	Julie Sommerfreund, B.Sc.
2003-2004	Buuan Lam, B.Sc.
2001-04, 06	Dianne Lapierre
2001-2004	Erin Hodge, M.Sc.
2001-2006	Jennifer Truong, B.Sc.
2000-2001	Trinh Tieu, B.A.Sc.
2000-2001	Marcy Burchfield, M.Sc.
1999-2000	Sarah Gingrich, M.Sc.
1998-1999	Edwin Tam, Ph.D.
1995-97	Cynthia Page, M.A.Sc.
1994	Lennox Gibbs, M.Eng.
1994	Hilary Freitas, M.A.Sc.
1993-1994	Helen Ling, M.Sc.

NSERC Undergraduate Research Award Recipients

2001	Kim Tsoi, Department of Chemical Engineering and Applied Chemistry.
2000	Jennifer Truong, Department of Geography.
1994	Ilan Kelman, Department of Chemical Engineering and Applied Chemistry.
1993	Rebecca Laposa, Department of Geography.

Undergraduate Summer Assistants

2013	Angela Huang
2012	Kevan Saba
2008 & 2009	Amanda Giang
2008	Kristina Dean
2007-2008	Catherine Abreu
2006	Kate Liss, Jennifer Cheung
2005	Kate Liss
2004	Veronica Lo, Rina Goldberg
2003	Bushra Drir, Talya Manoim
2002	Dianne Lapierre, Azadeh Zarashkian, Ylva Olsson
2001	Dianne Lapierre, Jennifer Truong
2000	Trinh Tieu, Dianne Lapierre.
1999	Asif Jalil, Julia Tsai.
1998	Sheryl Law*.
1997	Julie Phillips*
1996	Wilfred Tan, Judy Josefowicz (part-time)
1995	Judy Josefowicz (part-time)
1994	Martha Scroggie (part-time)
1993	David Tu, Martha Scroggie, Melissa Fotiadis
1992	Andrew Rodie, Hilary Freitas, Rebecca Laposa, Michelle Perera

* Environmental Youth Corps

Ontario Work-Study Plan Students

2014	Clara Thaysen
2013	Grant de Jeong
2013	Patrick Feghali
2012	Esmail Mansouri
2011-12	Vanessa Ymele
2006-07	Calvin Au
2005-06	Amy Leung
1999-00	Amelia Du
1995-1996	Laura Alionte
1992-1993	Andrew Rodie

12. d. OTHER TEACHING AND LECTURES

Annual	Guest lecture at Ryerson University, Environmental program.
2012	Mathematical modeling approaches to understanding environmental fate and behaviour of flame retardants. IVL Swedish Environmental Research Institute, Stockholm. Part of the INFLAME research project of the European Union. April 23,24, 2012.
2012	Interdisciplinary research. Held at University of Birmingham. Part of the INFLAME research project of the European Union. January 18-19, 2012.
2007	“Brominated flame retardants: from release to exposure”, UTSC, Dept of Physical & Environmental Sciences and Centre for Environment, Master of Environmental Science.
2007	“Connecting the dots between contaminant emissions and exposure”, University of Toronto, Moving Canada towards Sustainability. A forum to discuss global environmental issues.
2007	“Urban Contributions of Contaminant Load to Lake Ontario”. Lake Ontario Lake-wide Management Plan (LaMP) annual meeting, Niagara, N.Y. Organized by Environment Canada and U.S. EPA.
2007	“Loadings and fate of PCBs in Hamilton Harbour from a mass balance perspective”. Hamilton Harbour Remedial Action Plan (RAP) meeting.
2007	“What if the chemicals are toxic or persistent?” Urban Metabolism workshop held at University of Toronto. Organized by Prof. Chris Kennedy, Dept of Civil Engineering. Sponsored by Toronto & Region Conservation Authority.
2007	“Computer models in Great Lakes Decision-making”. A panel discussion held at 49 th Annual Conf. Internat. Assoc. Great Lakes Res. Windsor, Ont.
2006	“Brominated flame retardants: from release to exposure”, Ryerson University, Environmental Applied Science & Management Program.
2006	“What’s the burning issue with brominated flame retardants?” Physical Geography Research Day. Fall 2006.
2006	Polybrominated Diphenyl Ethers: Exposure pathways and human exposure. SENES Consultants.
2006	Brominated flame retardants – from source to exposure. Environmental Physician’s Group of Ontario Medical Association, seminar series “Clinical Reviews”.
2004	“Contaminants around us: the Toronto experience”, Centre for Urban Health Initiatives. University of Toronto.
2004	“Polybrominated diphenyl ethers: connecting sources and exposure”, Environmental Chemistry Seminar Series, Dept. of Chemistry, University of Toronto.
2004	“Chemical contaminants in the environment: from release to effects”, Gartner Lee Ltd.
2003	“Cities: contaminant fate and effects”, Toronto & Region Conservation Authority.
2002	“Water Quality”, “Women in Science”. Later Life Learning, Innis College.
2000	“Toxins in the Environment – Sources, Movement and Control Measures”. Public lecture

- in Green Waves Eco Talks organized by the Festive Earth Society.
- 1999 “Persistent Organic Pollutants: Fate in an Urban Environment and Potential Health Effects”. Presentation to Toronto Public Health Department, Health Promotion and Environmental Protection, City of Toronto.
- 1999 Arsenic cycling in Moira Lake. Presentation in workshop organized by “How Healthy is the Moira?” committee.
- 1996 Science Outreach. Lecture for girls 9 to 14 on research and career opportunities.
- 1992 Saturday Morning Seminar Series for Secondary School Students. Lecture on Great Lakes water quality.
- 1988 Tutorial Assistant, University of Toronto, Dept. of Chemical Engineering
- 1980-1981 Tutorial Assistant, McGill University, Dept. of Biology
- 1976-1979 Tutorial Assistant, University of Alberta, Dept. of Zoology

E. ADMINISTRATIVE POSITIONS

13. a. SERVICE ON COMMITTEES AND ORGANIZATIONS

Initiatives:

- 1998-2004 Initiation, organization and Vice-chair of “Women in Arts and Science Committee”, advisory to Dean of Arts and Science.
- 1997 Organized and chaired “Research Day” of Institute for Environmental Studies.
- 1997 Organized “The Great Debate” with Ruth Grier and Michael Bliss.
- 1996, 2000, 10 Organized or co-organized “Physical Geography Research Day” series to be held twice yearly as a forum for faculty and graduate students.
- 1994-1996 Involved with initiative to develop analytical facilities at University of Toronto. Member of ad hoc committee for ANALEST (Analytical Laboratory for Environmental Teaching).
- 1994 Developed M.Sc. Thesis option for Dept. of Geography and IES Collaborative Program.
- 1993 Initiated change of undergraduate program from “Physical Geography” to “Physical and Environmental Geography”

Major:

- 2011-2012 Dean’s working group on Environment and Resources, also curriculum committee for Environmental Science program
- 2011-2014 Provostial Assessor, Faculty of Nursing, search committees, promotions committee
- 2010-2012 Member, University Tribunal Committee
- 2010-2012 Vice-Chair, Planning and Budget Committee of Academic Board
- 2009-2012 Member, Honourary Degree Committee of Academic Board
- 2009-2010 Member, Academic Policy and Planning Committee of Academic Board
- 2007-present Coordinator, Physical Geography Building
- 2007-2009 Chair, Council of the Faculty of Arts and Sciences
- 2007-2010 School of Graduate Studies, Tenure Assessor
- 2007 Dean’s ad hoc committee on Earth & Planetary Sciences
- 2007 Dean’s representative, Dept. of Geology, search committee, Radiogenic Isotope Geochemistry
- 2004-05 Member, Search committee, Chair of Department of Geology
- 2004-05 Member, Search committee, Dept. of Geography, physical geography search
- 2004-05 Member, Search committee, Department of Physical Sciences, UTSC
- 2004-2008 Vice-Chair, Planning and Budget Committee of Academic Board, University of Toronto
- 2004-05 Governance Committee, Department of Geography
- 2003-04 Academic Planning Committee, Department of Geography.

- 2003-04 Search Committee, Department of Physics (Condensed Matter, CRC).
- 2003-2008 Member, Planning & Budget Committee of Academic Board, University of Toronto.
- 2003 Ad hoc Committee on Governance, advisory to Dean of Arts & Science.
- 2002 Search Committee, Physical Geography, St. George campus.
- 2001-2012 Member of Academic Board of Governing Council, University of Toronto.
- 2001 Search Committee, Technician, Physical Geography.
- 2001 Search Committee, Soil Science position, Scarborough College.
- 2000, 01 Search Committee, Physical Geography position, St. George campus.
- 2000 Graduate Admissions Committee, Member.
- 2000 Search Committee, Senior Hydrology position, Geography, St. George campus.
- 1999 Search Committee, Soil Science position, Scarborough College.
- 1999 Search Committee, Environment and Resource Management position in Geography, St. George campus.
- 1998 Search Committee, Hydrology position in Geography, St. George campus.
- 1998-99 5 Year Review Committee for Institute for Environmental Studies.
- 1998 Search Committee, Hydrology position at Erindale College.
- 1997 Chair of the Weigand Lecture committee. Organized and hosted seminars for two invited speakers.
- 1996 Physical Geography Research Day. Organized and chaired first of on-going series.
- 1994 Discover Science. Organized volunteers for demonstration in Physical Geography.
- 1994 Search Committee, Hydrology position at Erindale College.
- 1994 Science Options. Organized Dept. of Geography Information Booth. Rewrote information sheet on "Programs in Physical Geography"
- 1994 Member of Environmental Protection Subcommittee on Grounds/Water Use/Biodiversity.
- 1993-1996 Women in Science Committee, Faculty of Arts and Science
Related activities:
- Women in Science Faculty Advisor, Dept. of Geography;
 - Panelist, "Challenges and Solutions: Balancing an academic career and family responsibilities", Workshop for Women Faculty and Librarians, April 15, 1997.
 - "Women in Science" luncheons. Co-organized and moderated discussions. Co-sponsored by Dept. of Geography and Faculty of Arts and Science. 1996, 1994;
 - Forum on Women in Science, "Graduate School and Beyond". Moderated panel discussion. April, 1993.
- 1992-1993 Division of the Environment, Science Subcommittee.
- 1992 WHMIS and laboratory safety seminar. Co-organizer of seminar for Dept. of Geography.
- 1991-1993 Innis College Environmental Programme Committee.
- Minor:**
- 2010-2011 Provostial Assessor, Search Committee, Faculty of Physical Education and Health
- 2009 Member, Search Committee, Graduate Chair of Dept. of Geography
- 2006 Centre for the Environment: Member of advisory committee of Collaborative Program on Environment & Health.
- 2003-2008 Life Sciences Awards Committee, University of Toronto
- 2004-05 Search Committee, Paleoclimatographer Dept. of Geology (half of search)
- 2004-2005 Member, Ontario Graduate Student Scholarship Panel.
- 2004-05 Promotion Committee, tenure committee, Department of Geography
- 2003-04 Senior Committee, Department of Geography.
- 2003 Research Advisory Committee, Institute for Environmental Studies
- 2001 Member of Advisory Committee for Environmental Management Certificate Program, Professional Development Centre.
- 2000, 2003 Innis College Curriculum Review

- 1999-present Collaborative Graduate Program in Environment and Health. Member of Advisory Committee.
- 1997-2004 Arctic Working Group. Member.
- 1996-2000 Environmental Engineering Faculty Council. Member.
- 1995-2001 Collaborative Graduate Program in Toxicology. Member of Program Committee.
- 1994-1997 Graduate Committee, Dept. of Geography.
- 1994 Ranking NSERC and OGS applications.
- 1994 Mathematics Sciences Review Committee.
- 1994 Ranking NSERC Undergraduate Student Research Awards from "non-NSERC" departments.
- 1992-1993 Undergraduate Committee, Dept. of Geography.

F. OTHER

Co-organizer of the following Conferences, Workshops and Conference Sessions:

- 2013 Co-chair, session at Dioxin 2013 Conference, Daegu, Korea
- 2012 Co-organizer, Discussion of a Chemical Planetary Boundary, Chalmers University, Gotenburg, Sweden, April 18-20, 2012
- 2008-2010 Co-chair of the annual conference of the International Association of Great Lakes Research, held at the University of Toronto, May 2010.
- 2009 Canadian Association for Water Quality, Central Region. 44th Annual conference. Co-chair of special symposium on Bisphenol A.
- 2008 Life Cycle Impact Assessment: The Clearwater Meeting on Developing Characterization Factors for Aquatic Ecotoxicity of Metals.
- 2007 Diversity in POPs, Co-organizer of Special Symposium at Society of Environmental Toxicology & Chemistry annual meeting, Milwaukee.
- 2003 SETAC, Laurentian Chapter Annual Meeting, Toronto.
- 1999 Lake Ontario Research and Management Workshop. Held at University of Toronto. Co-chaired by D. Mackay, Trent University, and J. DePinto, SUNY Buffalo.
- 1996 Life Cycle Assessment of Site Remediation Options - A Review of the Generic Approach and Case Study. Funded by Ministry of Environment and Energy. Held at Dept. of Geography, Toronto.
- 1992 Lake Superior Mass Balance Workshop. Funded by the International Joint Commission and Atmospheric Environment Service of Environment Canada, Toronto.
- 1991 Great Lakes Research Day. Sponsored by the Institute for Environmental Studies, Toronto.
- 1991 Great Lakes Mass Balance Workshop. Funded by the International Joint Commission, Niagara-on-the-Lake.
- 1990 Workshop to develop a regional model of mercury accumulation in sport fish. Held at the Institute for Environmental Studies, Toronto.

Workshop Participant:

- 2013 Blue Mountain Retreat. Assembled 21 experts and industry representatives to advance the agenda of toxic chemical control. June 2013.
- 2011 Advancing exposure science to improve chemical safety. Co-sponsored by American Chemistry Council and Health Canada, Quebec City, June 2011. Rapporteur for poster session.
- 2009 & 2010 SVOCs in Indoor Air, Indoor Air Institute.
- 2009 ScorePP: Workshop on Urban pollution sources and water treatment, Universite de Quebec

- 2009 Canadian Environmental Modelling Centre, Partners' Meeting, "Advances in modelling the aquatic fate and toxicity of metals", Trent University.
- 2009 Indoor contaminants. Workshop sponsored by US EPA, Raleigh, NC.
- 2009 Exposure science in the 21st century. National Research Council, 8th Workshop of the Standing Committee on Risk Analysis Issues and Reviews. Speaker "Predictive Model Frameworks: Physical Models". Washington, DC.
- 2008 Health and indoor environments, sponsored by National Research Council.
- 2008 Health-Environment Linkages, sponsored by Statistics Canada.
- 2007 National Policy Consultation on Children's Health and Environment. Workshop #5, Toxic Substances in Consumer Products. Respondent in discussion.
- 2007 Lake Ontario Lake-wide Management Plan. Annual meeting. Environment Canada and U.S. EPA.
- 2007 Hamilton Harbour Remedial Action Plan. Summary of Results 2007.
- 2007 Roundtable Discussion, Ontario Ministry of Environment, Air Pollution & Climate Change. Opportunity to discuss with Minister Laurel Broten.
- 2007 City of Toronto Workshop on "Community Right to Know", developing a toxic release inventory.
- 2007 "Health and Environmental Tracking and Surveillance in Canada". Health Canada workshop.
- 2007 "Air Pollution and Children's Health" Co-sponsored by Pollution Probe, Children's Health Coalition, Health Canada. Participant.
- 2003 "Hazard Identification Approach for Metals and Inorganic Metal Substances", Pellston Workshop sponsored by SETAC.
- 2003 "Metal Unit World" workshop. Organized by Center for the Study of Metals in the Environment, University of Delaware.
- 2002 Retreat on science in the Meteorologic Service of Canada, Environment Canada. Organized by the Senior Scientists Committee of MSC, Environment Canada.
- 2001 Framework for Modelling Ecological Change in the Detroit River - Lake Erie Corridor. Panelist in a workshop sponsored by the International Joint Commission - Council of Great Lakes Research Managers'.
- 2000 "Northern Contaminants Workshop". Sponsored by Dept. of Indian Affairs and Northern Development.
- 1999 "Lake Ontario Mass Balance Workshop". Sponsored by University of Toronto, Trent University, SUNY Buffalo, Toronto.
- 1999 "Environmental Resource Group Meeting for the PSL2 Assessment of releases from copper and zinc smelters and refineries". Sponsored by Environment Canada, Ottawa.
- 1999 "How Healthy is the Moira?", Sponsored by Trent University and "How Healthy is the Moira" Committee, Peterborough, Ontario.
- 1999 Canadian Network of Toxicology Centres (CNTC), Annual Research Symposium, Ottawa.
- 1998 "Wolf Creek Research Workshop". Sponsored by Environment Canada, Whitehorse.
- 1997 "Environmental Resource Group Meeting for the PSL2 Assessment of releases from copper and zinc smelters and refineries". Sponsored by Environment Canada, Ottawa.
- 1997 "Arctic Archipelago Project Planning Meeting". Sponsored by Dept. Sponsored by Dept. of Indian Affairs and Northern Development, Iqaluit, Nunavik.
- 1997 "Nunavik and Northern Labrador Contaminants Action Plan Meeting". Sponsored by Dept. of Indian Affairs and Northern Development, Kuujjuaq, Nunavik.
- 1997 "Northern Contaminants Research Results Workshop". Sponsored by Dept. of Indian Affairs and Northern Development, Victoria 1997, Calgary 1996, Winnipeg 1994, Burlington 1993.
- 1994 Yukon Contaminants Workshop. Organized by Yukon Contaminants Committee.

- Whitehorse, Yukon.
- 1993 “Evaluating the Benefits of Water Quality Improvements”. Sponsored by the Ontario Ministry of Environment and Energy.
- 1990 & 1991 “Bay of Quinte Remedial Action Plan Workshop”. Two workshops sponsored by the Ontario Ministry of Environment.

Referee for Reports:

- 2003 “Lake Ontario Mass Balance”. Member of Scientific Review Panel, U.S. EPA.
- 1998 “Lake Michigan Mass Balance Program”. Member of Scientific Review Panel, U.S.EPA.
- 1998 “Hudson River PCB Mass Balance Study”. Member of Peer Review Panel, U.S. EPA.
- 1994 “Lower Don Lands Site Characterization and Remedial Options Study”. Review for the Waterfront Regeneration Trust.
- 1993 “Niagara River (Ontario) Stage I RAP Report”. Review for the Great Lakes Regional Office, International Joint Commission. Review included oral presentation at public information meeting in Niagara Falls, Ontario.
- 1991 “Arsenic and its Compounds, Priority Substances List Assessment Report”. Review for Government of Canada, Health and Welfare Canada and Environment Canada under the Canadian Environmental Protection Act (CEPA).

Referee for Journals and Monographs:

Environmental Science and Technology
Environmental Pollution
Atmospheric Environment
Environmental Management
Science of the Total Environment
Journal of Great Lakes Research
Water Environment Federation
Mercury as a Global Pollutant: Towards Integration and Synthesis.

Referee for Grant Proposals:

- 2013 NSERC Discover Grants
- 2012 Israeli Environmental Health Fund
- 2010 NSERC, Swiss Federation of Science
- 2007 NSERC.CRD
- 2006 Large Pelagics Research Centre.
- 2003 NSERC Discovery Grants Program, Canada Foundation for Innovation, Canadian Foundation for Climate and Atmospheric Sciences
- 2001, 2002 NSERC Collaborative Research and Development Grants Program
- 2000 Hudson River Foundation
- 1998 NSERC Strategic Grant.
- 1997 Minnesota Sea Grant College Program
- 1997 Hudson River Foundation
- 1996 National Science Foundation.
- 1993 Great Lakes Research Fund.

Miscellaneous:

- Numerous others that I’ve stopped recording.
- 2011 “Tracking toxins in the city: where are chemicals coming from and what does it mean?” Presentation to UTSS.
- 2008 “What’s in the air we breathe?” Presentation at Women’s Health conference.
- 2007 “How to stop climate change.” Presentation at forum organized by MP Olivia Chow,

- Trinity-Spadina riding.
- 2006 Later Life Learning. “All you want to know about contaminants!”
- 2001 Presentation to the Walkerton Inquiry, Public Hearing 5: Regulatory and Technical Issues for Specific Sources of Contaminants; Water Quality, “Urban development and water quality protection”. Toronto, Ontario.
- 1997, 2000 Judge for Chandler-Misener Award, International Association for Great Lakes Research.
- 1997 Co-chair, “Modeling chemicals in the Great Lakes: What have we learned? Where do we go from here?” International Association for Great Lakes Research 1997 Conference, Buffalo, N.Y.

Selected Media interviews*:

- 2014 March 20, 2014. David Fraser, CBC. Discussion about flame retardants. 30 minutes.
- 2013 CTV Newsworld, July 10, 2013. Live to air TV comment on environmental impact of train disaster in Lac Magantic.
- Al Jazeera English, August 14, 2013. Video interview for posting on pay TV channel and website. About stockpile of refinery coking residue in Detroit blowing over to Windsor and broader issue of society’s waste.
- Weather Network. Microplastics. Kasia Bodurka. Phone interview Sept 17, shoot Oct 3. 2013.
- Toronto Star, Raveena Aulakh. The environmental cost of cheap clothing. Phone interview Oct 8, 2013.
- CBC Marketplace, Friday Oct 11, 2013. Comment on the finding in tea leaves levels of some pesticides above Health Canada guidelines. About 1.5 hours spent on research and the phone call.
- Press release from Environmental Defense. “Pre-polluted, A report on toxic substances in the umbilical cord blood of Canadian newborns”, June 26, 2013.
- SRC, Radio Canada. Flame retardants. Jan 24, 2012, 30 min interview.
- 2012 Global TV. Telephone interview re: health risks to fire fighters. I asked not to be quoted directly since this isn’t my area of expertise but I did provide background information. May 8, 2012.
- CBC Market Place, May 11, 2012
- Press release from Canadian Environmental Law Association regarding flammability standards requiring use of flame retardants. May 11, 2012.
- Global News. For on-line news. Interview regarding news of anticipation of extremely hot summer, May 16, 2012
- Global Toronto.com Interview with James Armstrong. The annual “smog” interview. June 11, 2012.
- CBC French. Comment on Peter Kent’s announcement of \$16 million to fight algae blooms in Great Lakes (a re-announcement of money already being spent!) Oct 9, 2012
- CBC National News, discussion about a potential story, Thurs November 29, 2012
- Toronto Star, article on flame retardants, Thurs November 29, 2012, for Monday’s paper
- CFAX radio in Victoria, ½ live to air interview re: flame retardants, Thurs November 29, 2012
- Interview for magazine, Canadian Chemical News, from Chemical Institute of Canada. Tyler Irving. Monday December 3, 2012. Re: flame retardants.
- CBC TV Marketplace. November 30, 2012. Advice and guidance on program, on camera interviews in lab and on location, experimental work on location and in our lab.
- May 11, 2012. Press release from Canadian Environmental Law Association regarding flammability standards requiring use of flame retardants
- May 8, 2012. Global TV. Telephone interview re: health risks to fire fighters.
- May 11, 2012 CBC Market Place
- 2011 Post Canada Magazine. June 23, 2011

- November 22, 2011. CBC News. Removing BPA from canned soup.
 Flame retardants: are the benefits worth the risk”. Participated in film clip to be used as a trailer to get funding for film with that title. Producer – James Redford), March 28, 2012
 November 2011. “A consumer's guide to buying the right mattress: personal health; environmental concerns; comfort”. Provided information to free-lance author of this story that was published in
 A few Q&A with CBC researchers
 March 2012. Interview with Stephen Scharper regarding deep cuts to Environment Canada, which he profiled in his column in Toronto Star
- 2010
 CBC’s Market Place (feature interview & TV shoot)
<http://www.cbc.ca/marketplace/2011/lousylabls/miriamdiamond.html>
- 2009
 Interview, Zoe Cormier, for New Internationalist
 CBC Radio, Here and Now. Interview on Toronto’s garbage strike (July 8)
 CBC Radio, The Current. Interview on “Slow Death by Rubber Duck” (June 18)
 Toronto Sun, beaches water quality (July 24)
 CBC TV special on the future (July 24), 20 minute hour interview
 CBC.ca on-line news article on “back to school” shopping. Phthalates in kids school supplies (August 26), 1/4 hour interview
 Toronto International Film Festival, article connecting “Green Porno” at TIFF with scientific perspective, 1.5 days
 Toronto Sun, phone interview. Sept 18, 15 minutes. Comment on nearshore Lake Ontario water quality
 Green Living magazine, interview (March 2009 appeared in April 2009) (interview)
- 2008
 Toronto Star, Feature article, October 23, 2008.
 Global TV, water pollution. Extended interview broadcast on 19X6 (interview on camera, ~1 hour)
- 2007
 University of Toronto magazine, short & extended interviews on toxic chemicals
 BC Metro Morning. June 7. Live interview, Environ Sci of the Year.
 Toronto Star, June 7. Lead in drinking water.
 Toronto Star, June 7. Smog and health effects (annual interview on the subject that fails to go away).
 Toronto Star, July 9. Air pollution trends.
 Toronto Star, July 11. Release of Stats Can report on Canadian’s going “shades” of green.
 Globe & Mail, July 12. Biomagnification of persistent organic pollutants.
 CBC, The Nature of Things, July 16-19. Health effects of climate change and air pollution in cities. Aired November 2007.
 Hamilton Spectator, July 30. Fire at pesticide plant resulting in effluents entering Spencer Creek.
 CTV, Night news. July 31. Ultra fine particles from laser printers. TV shoot.
 Global TV. Consultation on series on pollution. TV interview re: Toronto’s major polluters, aired Wed March 7, 2007.
 Radio interview, The Green Majority, CIUT. March 2.
 CBC Radio, Edmonton and Calgary. April 17.
 Canadian Geographic Magazine, 2 weeks, January.

* List starts in 2007