

Curriculum Vitae

Donna Mergler PhD

Professor Emerita

Université du Québec à Montréal

Biosketch

Donna Mergler was named Professor Emerita in June 2006, by the Faculty of Science at the *Université du Québec à Montréal* (UQAM), where she had been a professor in the Department of Biological Sciences from 1970. She is a member of the research group CINBIOSE (*Centre de recherche interdisciplinaire sur la biologie, la santé, la société et l'environnement*), a World Health Organisation and Pan-American Health Organisation Collaborating Centre for the Prevention of Occupational and Environmental Illness. She heads the Canadian Institutes for Health Research (CIHR) Team on Gender, Environment and Health.

Donna Mergler received her doctorate in neurophysiology from McGill University in the early seventies and since then much of her research has focused on early neurotoxic effects of exposure to workplace and environmental pollutants. Her major studies in occupational health examined nervous system deficits associated with manganese exposure among industrial workers and the long-term effects of exposure to organic solvents and pesticides. In the area of environmental health, she performed the first population study demonstrating nervous system changes associated with environmental exposures to manganese, which in Canada had replaced lead as a gasoline additive. She is currently involved in studies examining the effects of manganese exposure on children in Canada, Mexico and Brazil. She has collaborated with researchers in Latin America since the early nineties when she began the CARUSO project on the source, transmission and effects of mercury in the Amazon and has since been involved in research projects in Mexico, Costa Rica, Ecuador, Peru, Chile and Venezuela. She is currently the Canadian principal of the Community of Practice on Ecosystem Approaches to Human Health to reduce Toxic Exposures in Latin America and the Caribbean (COPEH-TLAC), a highly successful network which links centres of excellence, researchers, policy-makers and NGO's in Mexico, Central America and the Caribbean, the Andes, Cono Sur and Brazil. In Canada, she was the team leader of the health studies within the Collaborative Mercury Research Network (COMERN), a multi-million dollar Canadian National Science and Engineering Research Council (NSERC) network, whose objective was to examine mercury and its impact in the Canadian environment, using an interdisciplinary, ecosystemic approach.

With her research group, she has developed innovative approaches to examine women's health and participatory methodologies for studies in occupational and environmental health. She has contributed to the development of an ecosystem approach to human health, which forms the basis of her studies on mercury contamination in Canada and the Brazilian Amazon. These studies focus on preventive intervention combine quantitative and qualitative methods, gender and social equity, to bring about concrete and lasting solutions to problems of environmental degradation. A prize-winning film '*Sur les rives du Tapajós*' was made on her work in the Amazon. She was director of UQAM's Institute for Environmental Sciences from 2002-2004 and the first Academic Scholar of the International Development Research Centre (IDRC) Ecosystem and Health program (1999-2002). In 2006, she headed an international panel on the health effects of mercury for the Conference Mercury as a Global Pollutant. She is a member of the International Joint Commission on the Great Lakes Science Advisory Board and of its Workgroup on Ecosystem Health. She has published a large number of articles, given many keynote conferences and won several awards for her work.

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Academic Degrees

1965 B.Sc (honours physiology) McGill University, Montreal, Quebec, Canada
1973 Ph.D.(physiology) McGill University, Montreal, Quebec, Canada

Academic Positions

2006 Professor Emerita, Department of Biological Sciences, UQAM
1970-06 Professor, Department of Biological Sciences, University of Quebec at Montreal
(UQAM) (full professor since 1980)
1998- Director, World Health Organization – Pan-American Health Organization
Collaborating Center or the Prevention of Occupational and Environmental
Illnesses
2002-04 Director, Institute of Environmental Sciences, UQAM
1995-00 Director of the Center for the study of Biology, Health and the Environment
(CINBIOSE), UQAM
1994-95 Invited Professor. Pesticide Program, National University, Costa Rica
1993- Adjunct professor, McGill University Centre for Studies on Aging
1993 Head of the Doctoral Program in Environmental Sciences, UQAM
1990-91 Director of the Center for the study of Biology, Health and the Environment
(CINBIOSE), UQAM
1982-84 Chair of the Department of Biological Sciences, UQAM
1985-89 Co-director of the Research-action group in Work Biology, UQAM (associated to
the Quebec Institute for Research in Occupational Health and Safety)
1987-88 Visiting scholar: University of California, Berkeley: Department of Biomedical and
Environmental Health Sciences; Northern California Occupational Health Centre.
Labor Occupational Health Program

Awards

1990	Muriel Duckworth Award for Women's Studies
1994	Woman of Merit Award in Science and Technology, given by the YWCA
1995	Michel-Jurdant Award for Environmental Sciences, given by ACFAS
1999-2002	International Development Research Centre (IDRC) Ecosystem and Health Academic Fellowship
2001	Silver Award for Environmental Health. Canadian Minister of the Environment and Canadian Geographic Magazine
2003	Phenix Circle for the Environment
2005	Écodéfi Award from the Network on Women and Environment
2008	Distinguished Woman in Ecohealth Research (IDRC)

Government Advisory Boards

1984-88	Member of the Advisory Board on Women's Studies of the Canadian Secretary of State
1984-89	Member of the Quebec Council for Science and Technology
1990	Member of the Expert Committee on Mental Health Subcommittee of the Quebec Minister of Social Affairs
2001	Member of the Sub-committee on Environmental Health of the National Round Table on the Economy and the Environment
2001-	Member of the Scientific Advisory Board of the International Commission on the Great Lakes
2004-05	Member of the Science and Technology Advisory Board to the Deputy Minister of Environment Canada
2008-09	Member of the Scientific Council of the health component of the <i>Plan Chlordécone</i> (France : <i>Institut de Veille Sanitaire</i> and <i>Institut national de la santé et de la recherche médicale</i> (INSERM))

Funded Research Projects (since 1987)

(**IDRC** : International Development Research Centre of Canada; **CIHR** : Canadian Institutes for Health Research; **NSERC** : National Science and Engineering Research Council; **CQRS** : Conseil québécois pour la recherche sociale; **FCAR** : Fonds pour la formation des chercheurs et l'aide à la recherche; **FRSQ** : Fonds de la recherche en santé du Québec; **SSHRC** : Social Sciences and Humanities Research Council; **TSRI** : Toxic Substances Research Initiative; **US-EPA** : United States' Environmental Protection Agency; **IRSST** : Institut de recherche en santé et en sécurité du Québec) (**PI** : principal investigator)

Years	Project	Funding Agency
2009-2012	A community of practice on ecosystem approaches to promote research and policy in Latin America and the Caribbean (co-PI)	IDRC
2008-2013	CIHR Team on Gender, Environment and Health (PI)	CIHR
2008-2010	Relever le défi analytique intégré des études en écosystème et santé (PI)	IDRC
2008	Mercury, nutrition and health in the Brazilian Amazon: community appropriation of research results (PI)	CIHR
2008-2011	A Canadian Community of Practice in Ecosystem Approaches to Human Health (co-investigator)	IDRC
2007-2012	Poor land use, poor health : a participatory study of land use, mercury and Chagas disease in the Brazilian Amazon (co-investigator)	Teasdale-Corti Foundation
2007–2010	Does manganese in water affect children's neurodevelopment? (PI)	CIHR
2005-2008	A community of practice on ecosystem approaches to promote research and policy for reducing toxic exposures and improving collective health in Latin America and the Caribbean (co-PI)	IDRC
2005-2008	:Effects of methylmercury exposure on visual functions in the Brazilian Amazon (PI)	CIHR
2003-2006 :	Combining traditional knowledge to maximise use of traditional food and minimise toxic risk (co-PI)	CIHR
2003-2006	:Manganèse et vieillissement cognitif et moteur: étude de suivi de cohorte 12 ans après l'arrêt de l'exposition professionnelle (PI)	CIHR
2003-2004	An ecosystem approach to environmental and occupational health in developing countries (PI)	CIHR
2002-2005	Exposition au mercure, santé des écosystèmes et des populations humaines en Amazonie: de l'échelle locale à l'échelle régionale: CARUSO III.(co-PI)	IDRC
2002-2003	Development of a proptocol for gender-based standards in the exposrt industries in Central America (co-PI)	Inter-American Development Bank
2002-2003	Finalizing a research proposal and realizing a financial set up for a project on sustainable tropical agriculture models through the reinforcement of an international network (co-investigator)	NSERC
2001-2006	Mercury and Ecosystem Health: A Collaborative Mercury Research Network: COMERN (co-investigator)	NSERC
2001-2004	L'invisible qui fait mal: mondialisation et santé des femmes au travail (co-investigator)	CQRS

2000-2003	Travail atypique: protection légale des conditions minimales et de la santé au travail (co-investigatior) :	FCAR
1999-2002	Chercheure émérite en santé et écosystèmes (Fellowship)	IDRC
2001-2004	Santé au travail: interaction des sciences bio-médicales et juridiques dans l'indemnisation et la prévention (co-investigatior)	FCAR
2001-2004	Conséquences thérapeutiques et anti-thérapeutiques de certains régimes d'indemnisation: programmes actuels et modèles alternatifs (co-investigatior)	SSHRC
1999-2002	Mercury in The Brazilian Amazon : Building Solutions with the Community (co-PI):	IDRC
1999-2002	Assessment of toxicological risks of environmental contamination by manganese (co-investigatior)	TSRI
1999-2002	Effects of fish consumption from the St-Lawrence river on hormonal balance and calciium transport in pregrancy (co-PI)	TSRI
2001-2002	Assessment of Neurotoxic effects in a First Nation Community Exosed to Polychlorinated biphennylys (PCBs) (co-PI)	TSRI
1998-2001	Santé au travail: démonstrations dans les sciences naturelles et juridiques	FCAR
1999-2000	Manganese in well water of the Eastern Townships of Quebec (Canada). Is there a problem ?	FRSQ
1997-2000	L'Invisible qui fait mal: vers une approche de recherche et d'intervention en santé qui tient compte de la division sexuelle du travail(co-investigatior)	CQRS
1996-1999	Source, dispersion and impac of mercury pollution in the Brazilian Amazon (co-PI)	IDRC
1995-1999	Early signs and symptoms of manganese neurotoxicity in environmentally exposed human populations (PI)	US-EPA
1994-1996	Santé mentale et vie familiale chez des personnes exposées aux substances neurotoxiques	FRSQ-CQRS
1994-1995	Projet pilote : Exposition de l'environnement et des humains au mercure (Brésil) (co-PI)	IDRC
1993-1995	L'invisible qui fait mal: Impact du travail sur la santé des femmes co-investigatior)	CQRS
1992-1994	Surveillance des effets neurotoxiques de l'exposition au styrène en milieu de travail: Phase II (co-PI)	IRSST
1992-1994	Facteurs de risque pour la santé mentale en milieu de travail (co-PI)	FRSQ-CQRS
1989-1992	Etude des effets neurotoxiques précoces chez des travailleurs exposés au manganèse dans une usine de production d'alliages de ferro- et de silico-manganèse (PI)	IRSST

1990-1992	Appréciation des risques associés à l'exposition aux solvants organiques chez les personnels de laboratoire (co-PI)	Min. Recherche (France)
1990-1992	Méthodologie épidémiologique et statistique en pathologie industrielle (co-PI)	IRSST
1990-1991	Etude des lésions musculo-squelettiques aux membres supérieurs dues au travail répétitif dans les abattoirs de porcs (co-PI)	IRSST
1990-1991	Surveillance des effets neurotoxiques de l'exposition au styrène en milieu de travail (PI)	IRSST
1990-1991	Ergonomic analysis of work activity and work practices in jobs originally designed for men and now done by women (co-investigator)	SSHRC
1989-1990	Effets de l'exposition au toluène sur les systèmes nerveux et rénaux des travailleurs qui appliquent un ciment imperméabilisant (PI)	IRSST
1988-1989	Développement et application d'une batterie de tests pour évaluer la perte sensorielle associée à l'exposition professionnelle aux solvants organiques (PI)	Health Canada
1988-1989	Mesure des effets de l'utilisation d'un écran de visualisation monochromatique sur l'indice de confusion chromatique par le test Lanthony D-15 désaturé (PI)	Health Canada
1987-1990	Dépistage d'altérations biologiques. Infrastructure d'équipe associée (co-PI)	IRSST
1987-1989	Etude des conditions et de l'activité de travail des buandières soumises saisonnièrement à une ambiance thermique chaude et des conséquences sur leur santé.	SSHRC
1987-1988	Caractérisation de la discrimination chromatique des travailleurs d'imprimerie en fonction du degré et de la durée de l'exposition aux solvants organiques	IRSST

List of peer-reviewed publications

(* indicates graduate student or post-doctoral fellow)

1. Jacob-Ferreira AL*, Passos CJ*, Jordão AA, Fillion M*, Mergler D, Lemire M, Gerlach RF, Barbosa Jr F, Tanus-Santos JE 2009 Mercury Exposure Increases Circulating Net Matrix Metalloproteinase (MMP)-2 and MMP-9 Activities. Basic Clin Pharmacol Toxicol.. [Epub ahead of print]
2. Menezes-Filho JA, Paes CR, de C Pontes AM, Moreira JC, Sarcinelli PN, Mergler D 2009. High levels of hair manganese in children living in the vicinity of a ferro-manganese alloy production plant. Neurotoxicology. [Epub ahead of print]
3. Fillion M*, Passos CJ*, Lemire M*, Fournier B, Mertens F*, Guimarães JR, Mergler D. 2009 Quality of life and health perceptions among fish-eating communities of the Brazilian

Amazon: an ecosystem approach to well-being. *Ecohealth*. 6:121-34.

4. Lemire M*, Mergler D, Huel G, Passos CJ, Fillion M*, Philibert A*, Guimarães JR, Rheault I, Borduas J, Normand G. 2009 Biomarkers of selenium status in the amazonian context: Blood, urine and sequential hair segments. *J Expo Sci Environ Epidemiol*. 19 :213-22.
5. Barbosa F Jr, Fillion M*, Lemire M*, Passos CJ*, Rodrigues JL, Philibert A*, Guimarães JR, Mergler D. 2009. Elevated blood lead levels in a riverside population in the Brazilian Amazon. *Environ Res*. 109:594-9.
6. Rodrigues JL, Batista BL, Fillion M, Passos CJ, Mergler D, Barbosa F Jr. 2009. Trace element levels in whole blood of riparian villagers of the Brazilian Amazon. *Sci Total Environ*. 2009 Mar 27. [Epub ahead of print]
7. Lemire M*, Mergler D, Huel G, Passos CJ, Fillion M*, Philibert A*, Guimarães JR, Rheault I, Borduas J, Normand G. 2009. Biomarkers of selenium status in the amazonian context: Blood, urine and sequential hair segments. *J Expo Sci Environ Epidemiol*. 19 :213-222.
8. Philibert A, Bouchard M, Mergler D. 2008. Neuropsychiatric symptoms, omega-3, and mercury exposure in freshwater fish-eaters *Arch Environ Occup Health*. 63:143-53.
9. Abdelouahab N, Vanier C, Baldwin M, Garceau S, Lucotte M, Mergler D. 2008. Ecosystem matters: fish consumption, mercury intake and exposure among fluvial lake fish-eaters. *Sci Total Environ*. 407:154-64.
10. Passos CJ, Mergler D. 2008. Human mercury exposure and adverse health effects in the Amazon: a review. *Cad Saude Publica*. 24 Suppl 4:s503-20.
11. Mertens F, Saint-Charles J, Lucotte M, Mergler D. 2008. Emergence and robustness of a community discussion network on mercury contamination and health in the Brazilian Amazon. *Health Educ Behav*. 35:509-21.
12. Weiss B, Cory-Slechta D, Gilbert SG, Mergler D, Miller E, Miller C, Newland MC, Rice D, Schettler T. The new tapestry of risk assessment. *Neurotoxicology*. 2008 Apr 20. [Epub ahead of print]
13. Bouchard M*, Mergler D, Baldwin ME, Panisset M. 2008. Manganese cumulative exposure and symptoms: A follow-up study of alloy workers. *Neurotoxicology*. 29:577-83.
14. Baldwin M, Bouchard M*, Larribe F, Mergler D. 2008. Past occupational exposure to airborne manganese in a manganese alloy plant. *J Occup Environ Hyg*. 5:426-37.
15. Passos CJ*, Da Silva DS*, Lemire M*, Fillion M*, Guimaraes JR, Lucotte M, Mergler D. 2008. Daily mercury intake in fish-eating populations in the Brazilian Amazon. *J Expo Sci Environ Epidemiol*. 18:76-87.
16. Mergler D, Henry A, Anderson HA, Chan HM, Mahaffey KR, Michael Murray M, Sakamoto M, Stern AH. 2007. Methylmercury exposure and health effects in humans: a worldwide concern. *Ambio* 36: 3–11
17. Bouchard M*, Laforest F*, Vandelac L, Bellinger D, Mergler D. 2007. Hair manganese and hyperactive behaviors: pilot study of school-age children exposed through tap water. *Environmental Health Perspectives* 115: 122-127.
18. Passos CJ*, Mergler D, Fillion M*, Lemire M*, Mertens F*, Guimaraes JR, Philibert A*. 2007. Epidemiologic confirmation that fruit consumption influences mercury exposure in riparian communities in the Brazilian Amazon *Environ Res*. 105:183-193.

19. Passos CJ*, Mergler D, Lemire M*, Fillion M*, Guimaraes JR. 2007 Fish consumption and bioindicators of inorganic mercury exposure. *Science of the Total Environment* 373:68-76.
20. Legrand M*, Lam R, Passos CJ*, Mergler D, Salin ED, Chan HM. 2007. Analysis of mercury in sequential micrometer segments of single hair strands of fish-eaters. *Environ Sci Technol.* 41:593-8.
21. Bowler RM, Nakagawa S, Diamond E, Park R, Koller W, Bowler RP, Mergler D, Bouchard M*, Smith D, Gwiazda R, Doty RL. 2007. Dose effect relations between manganese exposure and neurological, neuropsychological and pulmonary function in confined-space bridge welders. *Occupational and Environmental Medicine* 64:167-77.
22. Bouchard M*, Mergler D, Baldwin M, Panisset M, Bowler R, Roels HA. 2007. Neurobehavioral functioning after cessation of manganese exposure: A follow-up after 14 years. *American Journal of Industrial Medicine* 50(11):831-40.
23. Bowler RM, Nakagawa S, Drezgic M, Roels HA, Park RM, Diamond E, Mergler D, Bouchard M*, Bowler RP, Koller W. 2007. Sequelae of fume exposure in confined space welding: A neurological and neuropsychological case series. *Neurotoxicology.* 28:298-311
24. Bouchard M*, Mergler D, Baldwin M, Panisset M, Roels H. 2007. Neuropsychiatric symptoms and past manganese exposure in a ferro-alloy plant. *Neurotoxicol.* 28(2):290-7
25. Fillion M*, Mergler D, Passos CJ*, Larribe F, Lemire M*, Guimaraes JRD. 2006. A preliminary study of mercury exposure and blood pressure in the Brazilian Amazon. *Environmental Health* 5-29
26. Philibert A*, Vanier C, Abdelouahab N*, Chan HM, Mergler D. 2006. Fish intake and serum fatty acid profiles from freshwater fish. *Am. J. Clin Nutrition* 84:1299-1307.
27. Stamler CJ*, Mergler D, Abdelouahab N*, Vanier C, Chan HM. 2006, Associations between platelet monoamine oxidase-B activity and acquired colour vision loss in a fish-eating population. *Neurotoxicol. Teratol.* 28 : 446-452
28. Sampaio da Silva D*, Lucotte M, Roulet M, Mergler D, Crossa M. 2006. Mercury in fish of the Tapajós river in the Brazilian Amazon. *Interfecehs : Integrated Management of Occupational Health and the Environment.* 1 (art 6): 1-33
29. Passos CJ*, Mergler D. 2006. Data use in a toxicokinetic model to reconstruct methylmercury intake. *J. Expo Sci Environ. Epidemiol.* 16:299 (letter)
30. Lemire M*, Mergler D, Fillion M*, Passos CJS*, Guimaraes JRD, Davidson R, Lucotte M. 2006. Elevated blood selenium levels in the Brazilian Amazon. *Science of the Total Environment* 366 :101-111.
31. Mainville N*, Webb J*, Lucotte M, Davidson R, Betancourt O, Cueva E, Mergler D. 2006. Decrease of soil fertility and release of mercury following deforestation in the Andean Amazon, Napo River Valley, Ecuador. *Sci Total Environ.* 368:88-98.
32. Stamler CJ*, Abdelouahab N*, Vanier C, Mergler D, Chan HM. 2006. Relationship between platelet monoamine oxidase-B (MAO-B) activity and mercury exposure in fish consumers from the Lake St. Pierre region of Que., Canada. *Neurotoxicol.* 27:429-36.
33. Canuel R, de Grosbois SB, Atikessé L*, Lucotte M, Arp P, Ritchie C, Mergler D, Chan HM, Amyot M, Anderson R. 2006. New evidence on variations of human body burden of methylmercury from fish consumption. *Environ Health Perspect.* 114:302-6.

34. Messing K., Mergler D. 2006. Introduction : women's occupational and environmental health. *Environ. Res.* 101 :147-148.
35. Takser L*, Mergler D, Baldwin M, de Grosbois S, Smargiassi A, and Lafond J. 2005. Thyroid Hormones in Pregnancy in Relation to Environmental Exposure to Organochlorine Compounds and Mercury, *Environmental Health Perspectives* 113 :1039-1045
36. Mertens F*, Saint-Charles J, Mergler D, Passos C-J*, Lucotte M, 2005. Network Approach for Analyzing and Promoting Equity in Participatory Ecohealth Research. *Ecohealth* 2 :113-126
37. Legrand M*, Passos CJS*, Mergler D, Chan HM 2005. Biomonitoring of mercury exposure with single human hair strand. *Environmental Science and Technology* 39 (12): 4594-4598.
38. Bouchard M*, Mergler D, Baldwin M. 2005. Manganese exposure and age: Neurobehavioral performance among foundry workers. *Environmental Toxicology and Pharmacology* 19:668-694.
39. Rapport D, Mergler D. Extending the practice of ecosystem health. 2005. *Ecohealth* 1(2): 4-7
40. Webb J*, Mainville N*, Mergler D, Lucotte M, Betancourt O, Davidson R. 2005. Mercury in fish-eating communities of the Andean Amazon, Napo River Valley, Ecuador. *Ecohealth* 1 (2):59-71.
41. Valcke M, Chaverri F, Monge P , Bravo V, Mergler D, Partanen T, Wesseling C. 2005. Pesticide prioritization for a case-control study on childhood leukemia in Costa Rica: a simple stepwise approach. *Environmental Research* 97 :335-347
42. Takser L, Mergler D, Lafond J. 2005. Very low level environmental exposure to lead and prolactin levels during pregnancy. *Neurotoxicol Teratol.* 27:505-508.
43. London L, Flisher AJ, Wesseling C, Mergler D, Kromhout H. 2005. Suicide and exposure to organophosphate insecticides: cause or effect? *Am J Ind Med.* 47:308-21.
44. Bahia M de O, Corvelo TC, Mergler D, Burbano RR, Lima PD, Cardoso PC, Lucotte M, Amorim MI. 2004. Environmental biomonitoring using cytogenetic endpoints in a population exposed to mercury in the Brazilian Amazon. *Environ Mol Mutagen.* 44:346-349.
45. Takser L*, Mergler D, de Grosbois S, Smargiassi A, Lafond J. 2004. Blood manganese content at birth and cord serum prolactin levels. *Neurotoxicology and Teratology* 26:811-815.
46. Passos C*, Larribe F, Mergler D. 2004. Response to "Fruits, fish, and mercury: further considerations". *Environ Res.* 96:104-5.
47. Morrissette J*, Takser L*, St-Amour G*, Smargiassi A, Julie Lafond J, Mergler D. 2004. Temporal variation of blood and hair mercury levels in pregnancy in relation to fish consumption history in a population living along the St. Lawrence River. *Environ Res.* 95:363-74.
48. Lafond J, Hamel A*, Takser L*, Vaillancourt C, Mergler D. 2004. Low environmental contamination by lead in pregnant women: effect on calcium transfer in human placental syncytiotrophoblasts. *J Toxicol Environ Health A.* 67:1069-1079.
49. Mergler D, Baldwin M. 2004. The effects of manganese in air (response). *Science* 303: 169-173 (letter)

50. Takser L*, Lafond J, Bouchard M*, St-Amour G*, Mergler D. 2004. Manganese levels during pregnancy and at birth: relation to environmental factors and smoking in a Southwest Quebec population. *Environmental Research* 95:119-25
51. Normandin L*, Beaupré LA, Salehi F, St.-Pierre A, Kennedy G, Mergler D, Butterworth RF, Suzanne P, Zayed J. . 2004. Manganese distribution in the brain and neurobehavioral changes following inhalation exposure of rats to three chemical forms of manganese. *Neurotoxicology* 25:433-441
52. Passos CJ*, Mergler D, Gaspar E*, Morais S*, Lucotte M, Larribe F, Grosbois S. 2003. Caracterização geral do consumo alimentar de uma população ribeirinha na Amazônia Brasileira. *Revista Saúde e Ambiente*, 4 :72-84.
53. Boischio AA; Mergler D; Passos CJ*; Gaspar E*; Morais S* 2003. Segmental hair mercury evaluation among mothers, their babies and breast milk along the Tapajós River, Amazon, Brazil. *Environmental Sciences: an International Journal of Environmental Physiology and Toxicology* 10:107-20
54. Bouchard M*, Mergler D, Baldwin M, Sassine MP*, Bowler R, MacGibbon B. 2003. Blood manganese and alcohol consumption interact on mood states among manganese alloy production workers. *Neurotoxicology*. 24: 641-7.
55. Takser L*, Mergler D, Hellier G, Sahuquillo J, Huel G. 2003. Manganese, monoamine metabolite levels at birth, and child psychomotor development. *Neurotoxicology*. 24: 667-74.
56. Passos CJ*, Mergler D, Gaspar E*, Morais S*, Lucotte M, Larribe F, Davidson R, de Grosbois S. 2003. Eating tropical fruit reduces mercury exposure from fish consumption in the Brazilian Amazon. *Environ Res*. 93: 123-30.
57. Hamel A*, Mergler D, Takser L*, Simoneau L, Lafond J. 2003. Effects of low concentrations of organochlorine compounds in women on calcium transfer in human placental syncytiotrophoblast. *Toxicol Sci*. 76: 182-9.
58. Salehi F*, Krewski D, Mergler D, Normandin L, Kennedy G, Philippe S, Zayed J. 2003. Bioaccumulation and locomotor effects of manganese phosphate/sulfate mixture in Sprague-Dawley rats following subchronic (90 days) inhalation exposure. *Toxicol Appl Pharmacol*. 191: 264-71.
59. Baldwin M, Lippel K, Lefèbvre M-C, Mergler D. 2003. Material Safety Data Sheets: Their Use in Quebec Workers' Compensation Appeals Involving Neurotoxic Chemical Exposures. *Applied Occupational and Environmental Hygiene* 18:405-412.
60. Normandin L*, Carrier G, Gardiner PF, Kennedy G, Hazell AS, Mergler D, Butterworth RF, Philippe S, Zayed J. 2002. Related Articles, Links Assessment of Bioaccumulation, Neuropathology, and Neurobehavior Following Subchronic (90 Days) Inhalation in Sprague-Dawley Rats Exposed to Manganese Phosphate. *Toxicol Appl Pharmacol*. 183:135.
61. Mergler D. 2002. Review of neurobehavioral deficits and river fish consumption from the Tapajós (Brazil) and St. Lawrence (Canada). *Environmental Toxicology and Pharmacology* 12: 93-99.
62. Sassine M-P*, Mergler D, Bowler RM, Hudnell HK. 2002. Manganese accentuates adverse mental health effects associated with alcohol use disorders. *Biol Psychiatry* 1;51:909-21
63. Smargiassi A, Takser L*, Masse A, Sergerie M, Mergler D, St-Amour G, Blot P, Hellier G, Huel G. 2002. A comparative study of manganese and lead levels in human umbilical cords

- and maternal blood from two urban centers exposed to different gasoline additives. *The Science of the Total Environment* 290(1-3):157-64.
64. London L, de Grosbois S, Wesseling C, Kisting S, Rother HA, Mergler D. 2002. Pesticide usage and health consequences for Women in Developing Countries: Out of sight, out of mind? *Int J Occup Environ Health* 8:46-59.
 65. Giguère J, Julien D, Mergler D Baldwin M, Chartrand É. 2001. Liens entre l'exposition des travailleurs à des substances neurotoxiques et leurs relations interpersonnelles. [Association between work exposure to neurotoxic substances with workers' relationships with their social network] [French] *Rev Epidemiol Sante Publique* 49:459-469.
 66. Campagna D, Stengel B, Mergler D, Limasset J-C, Diebold F, Michard D, Huel G. 2001. Color vision and occupational toluene exposure. *Neurotoxicology and Teratology* 23:473-80
 67. Dolbec J*, Mergler D, Larribe F*, Roulet M*, Lebel J*, Lucotte M. 2001 Sequential analysis of hair mercury levels in relation to fish diet of an Amazonian population, Brazil. *Science of the Total Environmen.* 271:87-97.
 68. Castillo L*, Baldwin M, Sassine M-P*, Mergler D. 2001. Caracterización de la exposición a estireno por puestos de trabajo en una fábrica de plástico entre 1987 y 1998: Construcción de un índice de exposición acumulada. *Sociedad Colombiana de Medicina del Trabajo* 4(1)10-19.
 69. Salehi F*, Carrier G, Normandin L*, Kennedy G, Butterworth RF, Hazell A, Therrien G, Mergler D, Philippe S, Zayed J. 2001. Assessment of Bioaccumulation and Neurotoxicity in Rats with Portacaval Anastomosis and Exposed to Manganese Phosphate: A Pilot Study. *Inhal Toxicol.*13:1151-1163.
 70. Bowler RM, Lezak M, Booty A, Hartney C, Mergler D, Levin J, Zisman F. 2001, Neuropsychological dysfunction, mood disturbance, and emotional status of munitions workers. *Appl Neuropsychol.* 8:74-90.
 71. van Wendel de Joode B, Wesseling C, Kromhout H, Monge P, Garcia M, Mergler D. 2001. Chronic nervous-system effects of long-term exposure to DDT. *The Lancet* 357:1014-1016.
 72. Castillo L*, Baldwin M, Sassine M-P*, Mergler D. 2001. Cumulative exposure to styrene and visual functions. *American Journal of Industrial Medicine* 39:351-360.
 73. Amorim M, Bahia M, Mergler D, Dubeau H, Miranda D, Lebel J, Lucotte M. 2000. Effects of methylmercury exposure on a cytogenetic biomarker in a human population in the Brazilian Amazon. *Anais da Academia Brasileira de Ciencias* 72(4) :497-507.
 74. Messing K, Lippel K, Demers D, Mergler D. 2000. Equality and Difference in the Workplace: Physical Job Demands, Occupational Illnesses, and Sex Differences. *National Women's Study Association Journal* 12: 21-49
 75. Guimaraes JR, Roulet M, Lucotte M, Mergler D. 2000. Mercury methylation along a lake-forest transect in the Tapajos river floodplain, Brazilian Amazon: seasonal and vertical variations. *Sci Total Environ* 261:91-8.
 76. Smargiassi A, Baldwin M, Savard S, Kennedy G, Mergler D, Zayed J. 2000. Assessment of exposure to manganese in welding operations during the assembly of heavy excavation machine accessories. *Appl Occup Environ Hyg* 15:746-50.

77. Dolbec J, Mergler D, Sousa Passos CJ, Sousa de Morais S, Lebel J. 2000. Methylmercury exposure affects motor performance of a riverine population of the Tapajós river, Brazilian Amazon. *International Archives of Occupational and Environmental Health* 73:195-203.
78. Julien D, Mergler D, Baldwin M, Sassine MP*, Cormier N, Chartrand E, Bélanger S. 2000. Beyond the workplace: An exploratory study of the impact of neurotoxic workplace exposure on marital relations. *Am J Ind Med* 37:316-323.
79. Mergler D. 1999. Combining quantitative and qualitative approaches in occupational health : towards a better understanding of the impact of work-related disorders. *Scand J Work, Environ Health* 25, suppl 4: 54-60.
80. Mergler D, Baldwin M, Bélanger S, Larribe F, Beuter, A, Bowler, R, Panisset M, Edward, R, de Geoffroy, A, Sassine, M-P, Hudnell K. 1999. Manganese neurotoxicity, a continuum of dysfunction: results from a community based study. *Neurotoxicology* 20: 327-342.
81. Baldwin M, Mergler D, Larribe F, Bélanger S, Tardif, R, Bilodeau, L*, Hudnell K. 1999. Bioindicator and exposure data for a population based study of manganese. *Neurotoxicology* 20: 343-354.
82. Beuter A, Edwards R, de Geoffroy A, Mergler D, Hudnell K. 1999. Quantification of neuromotor function for detection of the effects of manganese. *Neurotoxicology* 20: 355-366.
83. Lucchini R, Apostoli P, Perrone C, Placidi D, Albin E, Migliorati P, Mergler D, Sassine MP*, Palmi S, Alessio L. 1999. Long term exposure to "low levels" of manganese oxides and neurofunctional changes in ferroalloy workers. *Neurotoxicology* 20: 287-298.
84. Mergler D. 1999. Neurotoxic effects of low level exposure to manganese in human populations. *Environmental Research* 80: 99-102.
85. Bowler RM, Mergler D, Sassine MP*, Larribe F*, Hudnell K. 1999. Neuropsychiatric effects of manganese on mood. *Neurotoxicology* 20: 367-378.
86. Roulet M*, Lucotte M, Farella N*, Serique G, Coelho H, Sousa Passos CJ*, de Jesus da Silva E, Scavone de Andrade P, Mergler D, Guimarães JRD, Amorim M. 1999. Effects of recent human colonization on the presence of mercury in Amazonian ecosystems. *Water, Air and Soil Pollution* 113: 297-313.
87. Baldwin M, Mergler D, Julien D. 1998. Workplace exposures beyond the workplace: exposure assessment for a pilot study of effects of workplace exposures on family life. *Applied Occupational and Environmental Hygiene* 13: 629-633.
88. Julien D, Mergler D, Baldwin M, Sassine M-P*, Cormier N, Chartrand E, Bélanger S. 1998. Santé mentale et relations conjugales chez les travailleurs exposés à des substances neurotoxiques *Revue canadienne des sciences du comportement. Canadian Journal of Behavioral Sciences* 30: 147-158.
89. Mahaffey KR, Mergler D. 1998. Blood levels of total and organic mercury in residents of the Upper St. Lawrence River Basin, Quebec: association with age, gender and fish consumption. *Environmental Research* 77: 104-114.

90. Mergler D, Bélanger S, Larribe F, Panisset M, Bowler R, Baldwin M, Lebel J, Hudnell K. 1998. Preliminary evidence of neurotoxicity associated with eating fish from the Upper St. Lawrence River Lakes. *Neurotoxicology* 19: 691-702.
91. Roulet M*, Lucotte M, Saint-Aubin A, Tran S, Rhéault I, Farella N*, De Jesus da Silva E, Dezencourt J, Sousa Passos CJ*, Santos Soares G, Guimarães JRD, Mergler D, Amorim M. 1998. The geochemistry of Hg in central Amazonian soils developed on the Alter-do-Chão formation of the lower Tapajós river valley, Pará State, Brazil. *Science of the Total Environment* 223: 1-24.
92. Roulet M*, Lucotte M, Canuel R, Rheault I, Tran S, De Frietos Gogh YG, Farella N*, Souza do Valle R, Sousa Passos CJ*, De Jesus da Silva E, Mergler D, Amorim M. 1998. Distribution and partition of total mercury in waters of the Tapajós River Basin, Brazilian Amazon. *Science of the Total Environment* 213: 203-211.
93. Lebel J*, Mergler D, Branches F, Lucotte M, Amorim A, Dolbec J*, Larribe F. 1998. Neurotoxic effects of low-level methylmercury contamination in the Amazonian Basin. *Environmental Research* 79: 20-32.
94. Mergler D, Baldwin, M. 1997. Early manifestations of manganese neurotoxicity in humans: an update. *Environmental Research* 73: 92-100.
95. Lebel J*, Roulet M*, Mergler D, Lucotte M, Larribe F, 1997. Fish diet and mercury exposure in a riparian Amazonian population. *Water, Air and Soil Pollution* 97: 31-44.
96. Bergamaschi E, Smargiassi, A*, Mutti A, Cavazzini S, Vettori MV, Alinovi R, Franchini I, Mergler D. 1997. Peripheral markers of catecholaminergic dysfunction and symptoms of neurotoxicity among styrene-exposed workers. *International Archives of Occupational and Environmental Health* 69: 209-214.
97. Smargiassi A*, Mutti A, Bergamaschi E, Bélanger S, Truchon G, Mergler D. 1996. Pilot study of peripheral markers of catecholaminergic systems among workers occupationally exposed to toluene. *Neurotoxicology* 17: 769-776.
98. Mergler D, Huel G, Bélanger S, Bowler RM, Truchon G, Drolet D, Ostiguy C. 1996. Surveillance of early neurotoxic dysfunction. *Neurotoxicology* 17: 803-812.
99. Bowler, RM, Huel G, Mergler D, Cone JE, Rauch S, Hartney C. 1996. Symptom base states after chemical exposure for White, Hispanic and African-Americans. *Neurotoxicology* 17: 793-902.
100. Bowler RB, Mergler D, Huel G, Cone J. 1996. Adverse health effects in African-American Residents living adjacent to chemical industries. *Journal of Black Psychology*. 22: 470-497.
101. Lebel J*, Mergler D, Lucotte M, Amorim M, Dolbec J*, Miranda D, Arantès G*, Rheault I, Pichet P. 1996. Evidence of early nervous system dysfunction in Amazonian populations exposed to low levels of methylmercury. *Neurotoxicology*. 17: 157-168.
102. Campagna D*, Gobba F, Mergler D, Moreau T, Galassi C, Cavalleri A, Huel G. 1996. Color vision loss among styrene exposed workers: Neurotoxicological threshold assessment. *Neurotoxicology* 17: 367-374.

103. Lebel J*, Mergler D, Lucotte M, Dolbec J*. 1996. Mercury Contamination. *AMBIO*.25: 374.
104. Mergler D. 1996. Manganese: the controversial metal. At what levels can deleterious effects occur? (editorial) *Canadian Journal of Neurological Sciences* 23: 93-94.
105. Sassine MP*, Mergler D, Larribe F, Bélanger S. 1996. Détérioration de la santé mentale chez des travailleurs exposés au styrène. *Revue d'Épidémiologie et de Santé Publique*. 44: 14-24.
106. Campagna D*, Mergler D, Picot A, Sahuquillo, J, Bélanger, S, Plevin C, Brun A, Leclerc-Marzin MP, Lamotte G, Huel G. 1995. Appréciation d'effets neurotoxiques associés à l'utilisation des solvants organiques chez les personnels de laboratoire. *Revue d'Épidémiologie et de Santé Publique*. 43: 519-532.
107. Campagna D*. Mergler D, Huel G, Bélanger S, Truchon G, Ostiguy C, Drolet D. 1995. Visual dysfunction among styrene exposed workers. *Scandinavian Journal of Work Environment and Health* 21: 382-390.
108. Smargiassi A*, Mergler D, Bergamaschi E, Vettori Maria Vittoria, Lucchini R. Apostoli Pietro. 1995. Peripheral markers of catecholamine metabolism among workers occupationally exposed to manganese (Mn). *Toxicology Letters* 77: 329-333.
109. Mergler D. 1995. Color vision: replication rather than nonreplication of findings (letter). *Journal of Occupational Medicine* 37: 789-790.
110. Mergler D, Huel G, Bowler R, Iregren A, Bélanger S, Baldwin M, Tardif R, Smargiassi A*, Martin L*. 1994. Nervous system dysfunction among workers with long-term exposure to manganese. *Environmental Research* 64: 151-180.
111. Bowler R, Mergler D, Huel G, Cone JE. 1994. Psychological, Psychosocial and Psychophysiological Sequelae in a Community Affected by a Railroad Chemical Disaster. *Journal of Traumatic Stress* 7: 601-624.
112. Bowler R, Mergler D, Huel G, Cone, JE. 1994. Aftermath of a chemical spill: psychological and physiological sequelae. *NeuroToxicology* 13: 723-730.
113. Beuter A, Mergler D, de Geoffroy A, Carrière L, Bélanger S, Varghese L, Sreekumar J, Gauthier S. 1994. Diadochokinesimetry: A study of patients with Parkinson's disease and manganese exposed workers. *NeuroToxicology* 13: 655-664.
114. Gagnon P*, Mergler D, Laparé S. 1994. Olfactory adaptation, threshold shift and recuperation at low levels of exposure to methyl isobutyl ketone (MIBK). *Neurotoxicology* 13: 637-642.
115. Anger W.K, Cassitto M.G, Liang Y, Amador R, Hooisma J, Chrislip DW, Mergler D, Keifer M, Hörtnagl J. 1993. Comparison of performance from three continents on the WHO-recommended neurobehavioral core test battery (NCTB). *Environmental Research* 62: 125-147.
116. Bowler R.M, Schwarzer R, Mergler D, Rauch SS. 1992. Screening for mental health problems after neurotoxic exposure: brief psychometric scales. *European Journal of Psychological Assessment* 8: 99-108.

117. Brabant C*, Mergler D, Bédard S*, Ferraris J. 1992. Exploring integrated response to ergonomic and thermal stressors: a multidimensional analytical approach. *Archives of Complex Environmental Studies* 4: 35-47.
118. Truchon G, Ostiguy C, Drolet D, Mergler D, Campagna D*, Bélanger S, Larribe F, Huel G. 1992. Surveillance des effets neurotoxiques de l'exposition au styrène en milieu de travail. I. Évaluation environnementale et surveillance biologique de l'exposition. *Travail et Santé* 8: S11-14.
119. Mergler D, Campagna D*, Bélanger S, Larribe F, Huel G, Truchon G, Ostiguy C, Drolet D. 1992. Surveillance des effets neurotoxiques de l'exposition au styrène en milieu de travail. II. Altérations neurophysiologiques et comportementales. *Travail et Santé* 8: S16-21.
120. Bowler RM, Mergler D, Rauch SS, Bowler RP. 1992. Stability of psychological impairment: two year follow-up of former microelectronics workers' affective and personality disturbance. *Women and Health* 18: 27-47.
121. Mergler D, Beauvais B. 1992. Olfactory threshold shift following controlled 7-hour exposure to toluene and/or xylene. *NeuroToxicology* 13: 211-216.
122. Bowler R, Mergler D. 1992. Comparison of digit symbol and symbol digit modalities test for assessing solvent exposure. *Clinical Neuropsychology* 6: 103-104.
123. Mergler D, Huel G, Bowler R, Harrison R, Cone J. 1991. Visual dysfunction among former microelectronics assembly workers. *Archives of Environmental Health* 46: 326-334.
124. Huel G, Mergler D, Bowler R. 1991. Evidence for adverse reproductive outcomes among women microelectronic assembly workers (correspondence). *Brit J Ind Med* 48: 214-215.
125. Fortier I*, Ferraris J, Mergler D. 1991. Measurement precision of an olfactory perception threshold test for use in field studies. *American Journal of Industrial Medicine* 20: 495-504.
126. Mergler D, Frenette B, Legault-Bélanger S, Huel G, Bowler R. 1991. Relationship between subjective symptoms of visual dysfunction and measurements of vision in a population of former microelectronics workers. *Journal of Occupational Medicine Singapore* 3: 75-83.
127. Frenette B*, Mergler D, Bowler R. 1991. Contrast-sensitivity loss in a group of former microelectronics workers with normal visual acuity. *Optometry and Vision Science* 68: 556-560.
128. Bowler R, Mergler D, Rauch S, Harrison R, Cone, J. 1991. Affective and personality disturbance among women former microelectronic workers. *Journal of Clinical Psychology* 47: 41-52.
129. Bowler R, Mergler D, Huel G, Harrison R, Cone J. 1991. Neuropsychological impairment among former microelectronics assembly workers. *NeuroToxicology* 12: 87-104.

130. Frenette B*, Mergler D, Ferraris J. 1990. Measurement precision of a portable instrument to assess vibrotactile perception threshold. *European Journal of Applied and Occupational Physiology* 61: 386-391.
131. Mergler D, Bowler R, Cone, J. 1990. Colour vision loss among disabled workers with neuropsychological impairment. *Neurotoxicology and Teratology* 12: 669-672.
132. Frenette B*, Mergler D, Ferraris J. 1990. Étude de la fiabilité du test D-15 désaturé de Lanthony. *Journal Canadien d'Optométrie* 52: 60-63.
133. Brabant C*, Mergler D, Messing K. 1990. Va te faire soigner, ton usine est malade: la place de l'hystérie de masse dans la problématique de la santé des femmes au travail. *Santé mentale au Québec* 15: 181-204.
134. Huel G, Mergler D, Bowler R. 1990. Evidence for adverse reproductive outcomes among women microelectronic assembly workers. *British Journal of Industrial Medicine* 47: 400-404.
135. Brabant C*, Bédard S*, Mergler, D. 1989. Cardiac strain among women laundry workers. *Ergonomics* 32: 615-628.
136. Legault-Bélanger S*, Bachand M*, Bédard S*, Brabant C*, de Grosbois S*, Mergler D. 1988. Perte de discrimination chromatique chez des travailleurs soumis à une exposition complexe et variable aux solvants organiques. *Archives des maladies professionnelles* 49: 475-482.
137. Mergler D, Bélanger S*, de Grosbois S*, Vachon N. 1988. Chromal focus of acquired colour discrimination loss and solvent exposure among printshop workers. *Toxicology* 49: 341-348.
138. Mergler D, Blain L*, Lemaire J*, Lalande F*. 1988. Colour vision impairment and alcohol consumption. *Journal of Neurotoxicology Teratology* 10: 255-263.
139. Mergler D, Blain L*. 1987. Assessing colour vision loss among solvent exposed workers. *American Journal of Industrial Medicine* 12: 195-203.
140. Mergler D. 1987. Workers participation in occupational health research: theory and practice. *International Journal of Health Services* 17: 151- 167.
141. Mergler D, Blain L*, Lagacé JP*. 1987. Solvent related colour vision loss: an indicator of neural damage? *International of Archives of Occupational and Environmental Health* 59: 313-329.
142. Mergler D, Brabant C*, Vézina N*, Messing K. 1987. The weaker sex? Men in women's jobs report similar health symptoms. *Journal of Occupational Medicine* 29: 417-421.
143. Mergler D, de Grosbois S*. 1987. S'intoxiquer à son insu: les psychotropes du milieu de travail. *Psychotropes* 4: 9-18.
144. Blain L*, Mergler D. 1986. La dyschromatopsie chez des personnes exposées professionnellement aux solvants organiques. *Journal Français d'Ophtalmologie* 9: 127-133.

145. Brabant C*, Bédard S*, Messing K, Mergler D. 1986. Le milieu de chaîne: étude sur la santé des travailleuses. *Conjoncture et politique* 8: 67-77.
146. Blain L*, Lagacé JP*, Mergler D. 1985. Sensitivity and specificity of the Lanthony D-15 Desaturated Panel to Assess Chromatic Discrimination Loss among Solvent-Exposed Workers. *World Health Organization Bull. Environmental Health Series* 3: 105-109.
147. De Grosbois S*, Mergler D. 1985. La santé mentale et l'exposition aux solvants organiques en milieu de travail. *Santé mentale au Québec* 10: 99-113.
148. Mergler D, Vézina N*. 1985. Dysmenorrhea and Cold Exposure. *Journal of Reproductive Medicine* 30: 106-111.
149. Mergler D. 1984. Les effets des conditions de travail sur la santé des travailleuses. *Canadian Woman Studies, Les cahiers de la femme* 5: 42-45.
150. Vézina N*, Mergler D. 1983, Les verrues: une maladie professionnelle. *Archives des maladies professionnelles* 44: 551-558.
151. Mergler D, Vézina N*, Beauvais A*. 1982. Warts Amongst Workers in Poultry Slaughterhouses. *Scandinavian Journal of Work Environment and Health* 8: 180-184.
152. Desnoyers L, Mergler D. 1981. Formation et recherche en santé et sécurité au travail. *Revue internationale en action communautaire* 5: 3-11.
153. Desnoyers L, Mergler D. 1981. Educación e investigación en salud ocupacional. *Revista centro-americana de ciencias de la salud* 7: 147-157.
154. Mergler D, Desnoyers L. 1979. La recherche et la santé au travail. *Cahiers du socialisme* 3: 44-80.

Book chapters and monographs

1. Lucotte M, Canuel R, Boucher de Grosbois S, Amyot M, Anderson R, Arp P, Atikesse L, Carreau J, Chan L, Garceau S, Mergler D, Ritchie C, Robertson MJ, Vanier C. 2005. An ecosystem approach to describe the mercury issue in Canada: from mercury sources to human health. Chap. 19 in *Dynamics of Mercury Pollution on Regional and Global Scales: Atmospheric Processes and Human Exposures around the World* (N. Pirrone, KR Mahaffey Eds). Springer, pp 441 – 466.
2. Lucotte M, Davidson R, Mergler D, Saint-Charles J, Guimarães JR 2004. Human exposure to mercury as a consequence of landscape management and socio-economical behaviors. Part I: the Brazilian Amazon case study. *RMZ-M&G*, 51: 668-672.
3. Vandelac L, Mergler D. 2003. Nouveaux territoires de la culture scientifique et technique: érosion de la culture ou démocratisation des technosciences? Ch 13 dans *Les territoires de la culture scientifique /* sous la direction de Bernard Schiele et Réal Jantzen. Presses universitaires de Lyon ; Presses de l'Université de Montréal, p. 276-290
4. Lippel K, Lefebvre MC, Mergler D. 2001. L'indemnisation des lésions professionnelles reliées aux substances neurotoxiques: analyse jurisprudentielle, Service aux collectivités UQAM.

5. Mergler D. 2003. Integrating Human Health into an Ecosystem Approach to Mining. ch 87 pp. 875 - 883 in D.J. Rapport, W.L. Lasley, D.E. Rolston, N.O. Nielsen, C.O. Qualset, and A.B. Damania (eds.) *Managing for Healthy Ecosystems*, Lewis Publishers, Boca Raton, Florida USA.
6. Sass JB, Silbergeld EK, Mergler D. 2002. Environmental Toxins and Neurological Disease (Chapter 112) dans *Diseases of the Nervous System. Clinical Neuroscience and Therapeutic Principles*. (Eds. AK Asbury, GM. McKhann, WY. McDonald, PJ. Goadsby, JC. McArthur. Cambridge University Press. p.1805-181
7. Panisset M, Mergler D. 1999. Behavioral toxicological effects and pathology. Chap. 5 in Introduction to Neurobehavioral Toxicology: food and environment. Ed. RJM Niesink, RMA Jaspers, LMW Kornet, JM van Ree and HA Tilson. Boca Raton: CRC Press p. 165-190
8. Hudnell K, Mergler D. 1999. Manganese: Essential Element and Neurotoxin, ch. 13 in Bowler R, Cone J (Eds) Occupational Medicine Secrets Hanley and Belfus, Philadelphia p. 81-84.
9. Bowler R, Mergler D, Bitter-Tubert P, Bowler RP. 1998. Finuring Emotional Effects and Symptoms after Cessation of Solvent Exposure. In R. Schwarzer (Ed.), Advances in Health Psychology Research. Berlin, Germany: Freie Universitaet.
10. Mergler D. 1998. Editor of Chapter 7: Nervous System, in Encyclopaedia of Occupational Health and Safety, Fourth Edition. Ed. Jeanne Mager Stellman, Genève: National Labour Office. Vol. 1, p. 7.1-7.23.
11. Mergler D. and Valciukas, José A. 1998. Nervous System Overview. in Encyclopaedia of Occupational Health and Safety, Fourth Edition. Ed. Jeanne Mager Stellman, Genève: National Labour Office. Vol. 1, p. 7.2-7.7.
12. Mergler D. 1998. Manifestations of Acute and Early Chronic Poisoning. in Encyclopaedia of Occupational Health and Safety, Fourth Edition. Ed. Jeanne Mager Stellman, Genève: National Labour Office. Vol. 1, p. 7.13-7.14.
13. Mergler D. 1998. Measuring Neurotoxicity Deficits. in Encyclopaedia of Occupational Health and Safety, Fourth Edition. Ed. Jeanne Mager Stellman, Genève: National Labour Office. Vol. 1, p. 7.20-7.21.
14. Mergler D. 1997. Health impact of methylmercury contamination of the Tapajós river: results of a multidisciplinary cooperative study. In Educação, Ciência e Tecnologia: Bases Para o Desenvolvimento Sustentável da Amazônia, Série Cooperação Amazônica. Ed. Luis E. Aragón, Belem, Brésil: Unamaz p. 311-318.
15. Panisset M, Mergler D. 1997. Behavioral toxicological effects and pathology. Chap. 5 in Neurobehavioral Toxicology and Addiction: food, drugs and environment. Ed. Open University of the Netherlands. Vol.1, p. 165-190.
16. Mergler D. 1995. Adjusting For Gender Differences in Occupational Health Studies . In Invisible: Issues in Women's Occupational Health, La Santé des Travailleuses. Messing, K, Neis, B, Dumais, L, Eds. Chalottetown: Gynergy Books p. 236-251
17. Mergler D., 1995. Behavioral Neurophysiology: quantitative measures of sensory toxicity, ch. 47 dans Neurotoxicology: Approaches and Methods. (Chang L. and Slikker W, Eds.), Academic Press p. 727-736.

18. Messing K. and Mergler D. 1995. "The Rat Couldn't speak, But We Can": Inhumanity in occupational health research. Hubbard, R. and Birke, L. (Eds), In Reinventing Biology: respect for life and the creation of knowledge. Indianapolis: Indiana University Press p. 21-50.
19. Mergler D. 1994. Neurotoxicology of the Visual System. Chapt. 7: Part I: Early indications of visual dysfunction. dans Bleecker M (Ed) Occupational Neurology and Clinical Neurotoxicology, Williams and Wilkins p. 161-186.
20. Messing K. and Mergler D. 1993. Union and Women's Occupational Health in Québec. In Briskin, L. and McDermott, P. Women Challenging Unions. University of Toronto Press p.267-283.
21. Mergler D, Beauvais B. 1992. Olfactory threshold shift following controlled 7-hour exposure to toluene and/or xylene. Mutti, A, Costa JS, Manzo L, Cranmer J (eds). Current Issues in NeuroToxicology p.211-218.
22. Vézina M, Cousineau M, Mergler D, Vinet A, Laurendeau MC. 1992. Pour donner un sens au travail: bilan et orientations du Québec en santé mentale au travail, Editions Gaetan Morin, Québec. 179 pages
23. Messing K, Mergler D, Brabant C. (eds.). 1992. Women and Health, volume 18, No.3, on Women's Occupational Health.
24. Mergler D. 1990. Color vision loss: A sensitive indicator of the severity of optic neuropathy, dans Advances in Neurobehavioral Toxicology: Applications in Environmental and Occupational Health, Barry L.Johnson, (ed), Lewis Publishers,USA p. 175-182.
25. Brabant C, Bédard S, Mergler D. 1988. Cardiac Strain among women laundry workers doing "light" work in Progress in Occupational Epidemiology (Ed. C. Hogstedt, C. Reuterwall) Excerpta Medica, International Congress Series 829, Elsevier Science Publ, The Nertherlands p. 237-240.
26. Mergler D. 1988. Participation des travailleurs et des travailleuses aux études en santé au travail: théorie et pratique. Recueils des activités du CIEST (Centre interdisciplinaire d'évaluation sociale des technologies), Cahiers recherches et théories, Presses de l'Université du Québec, Québec p. 163-180.
27. Mergler D, Simoneau S, de Grosbois S, Marier M, Pontbriand M. 1986. Les solvants en milieu de travail, Ed. Protocole d'entente UQAM-CSN-FTQ, Montréal, 121 p. Ré-édition, 1990.
28. Beckmann J, Mergler D, 1985, Symptomatology questionnaires, dans Neurobehavioural Methods in Occupational and Environmental Health: Symposium Report, Environmental Health (WHO) 6: 26-28.
29. Mergler D. 1984. Les effets des conditions de travail sur la santé des travailleuses, dans Les effets des conditions de travail sur la santé des travailleuses, Bureau international de travail, ACIDI, CSN, Montréal, p.215-228.
30. Mergler D, Everell J, Desbiens M, Geoffroy R. 1984. Les effets des conditions de travail dans les abattoirs de volaille sur la santé des travailleurs et des travailleuses, dans Les effets des conditions de travail sur la santé des travailleuses, Bureau international de travail, ACIDI CSN, Montréal p. 147-166.

31. Mergler D, Desnoyers L. 1981.. Milieu de travail et santé: une analyse de la situation québécoise, dans: Médecine et Société. Ed. Renaud M. Editions Albert St-Martin, Montréal p.235-249.
 32. Mergler D, Desnoyers L. 1979. La crise et la santé et la sécurité des travailleurs, in La crise et les travailleurs, CEQ, Montréal p.43-54.
 33. Mergler D. 1979. La femme et la santé au travail, dans La recherche sur les femmes, Montréal p.52-55.
 34. Mergler D, Ouellet F, LeBorgne D, Simoneau S. 1979. Le bruit en milieu de travail, IRAT Bull. 14 107p. 1re impression (1979), 2e impression (1981).
-