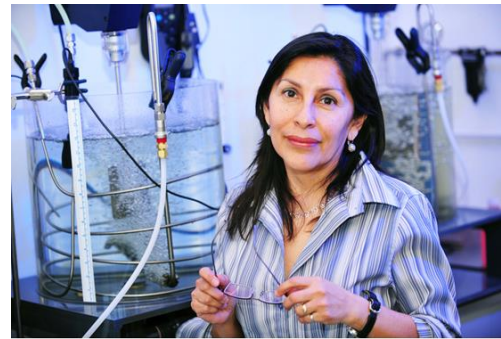


Prof. Rosa Galvez-Cloutier, Ph.D., P. Eng.

Department of Civil and Water Engineering
Laval University, Quebec
Quebec, Canada G1K 7P4
Tel. (418) 656-2045, Fax (418) 656-2928
Email: rosa.galvez@gci.ulaval.ca
Web site: <http://www.gci.ulaval.ca/rgalvez/>



DOMAINS OF EXPERTISE

Water and Wastewater Treatment Processes, Environmental Hydrogeology, Solid Waste Management, Hazardous Waste and Contaminated Site Restoration, Environmental Technologies Evaluation, Eco-engineering processes, Environmental Impact and Risk Evaluation, Watershed Studies, Groundwater Contaminant Transport Studies (field and modelling).

EDUCATION

Certificate – *Gestion pour fonctionnaires de l'haute administration universitaire*, U. Laval (2013)
Ph.D. Environmental Eng., McGill University, Montreal, Canada (1994)
Master in Environmental Eng., McGill University, Montreal, Canada (1988)
Bachelor in Civil Eng., Universidad Nacional de Ingenieria, Lima – Peru (CEPIS-WHO/UN Program) (1985)

PROFESSIONAL EXPERIENCE

Head and Full Professor - Civil and Water Eng. Department, Laval University, Quebec, Canada (2010 to present)

As administrator:

- Human resources manager (28 professors, 100 employees, 3 000 students).
- Department's teaching and research budget supervision of over \$15 million/year.
- Overall management of laboratories and budget supervision for 6 Industrial chairs and 3 Canada chairs.
- Implemented and supervised construction of recent CFI research infrastructure (a project in excess of \$50 million).
- Completed all staffing aspects in the hiring of eight professors.
- Completed all staffing aspects in the hiring of 2 administrators and 3 executive secretaries.
- Strategy development involving the Dean of Engineering and Human Resources in addressing challenging issues within the workplace.
- Evaluator for Engineers Canada for the accreditation process of university engineering programs, recently assessed Ryerson University and Ottawa University Civil engineering programs.
- Planned, conducted and succeeded accreditation evaluation of two engineering programs.
- Member of various European research funding agencies (British Research Council, UNESCO Chair in France, Consiglio Nazionale de Ricerca in Italy).
- Leadership on academic mobilization, negotiation of inter-university agreements (Europe and North-Africa).
- Acted as jury member in student's competitions including the 2012 AISC Student Steel Bridge Competition.
- Organization of industrial partnerships for undergraduate summer training.
- Negotiation of inter-faculty and inter-institutional agreements.
- Negotiations with municipalities and engineering firms for sponsorship and collaboration re: student projects
- Completed university administration-management courses; training in EXPLO, PEOPLESOFT (accounting, human resources and academic software); very good understanding of union codes and policies.

As Scientist and Researcher – I have held and presently hold individual research contracts, grants and subventions for more than \$10 million (ongoing projects are listed below). I'm the principal author of more than 80 peer-reviewed articles in journals and proceedings (a list of recent publications is shown at the end of the CV). The following are recent or ongoing projects:

- Lands sustainability strategy and indicators in the Nord West Territories.
- Eco-processes development for the treatment of salted runoff for Vinci Highways in France,
- Cumulative impact assessment for a British Columbia hydroelectric project – requested by the government of NWT,

- Leader of an Academic Mobility program funded by Canada and Europe (including Ireland, Scotland and Italy)
- Waste-recycling research center in Cairo, Egypt,
- Environmental applications of high purity Dolomite,
- Use of aid decision methods in civil engineering projects,
- Method of restoration for eutrophic lakes (enhanced coagulation, active capping),
- Interpretation of quality data for 154 Quebec lakes,
- Transport of road de-icing salt, infiltration to groundwater and river contamination,
- Impact of Chlorine, Sodium and Calcium on eutrophication and cyanobacteria,
- Community of Practice in eco-health in five countries in Latin America,
- Chlorine ion impact on metal mobility in mining sites,
- Evaluation of long-term release of heavy metals from contaminated soil category B,
- Hydrogeology of contaminants in the Turbio River basin in Guanajuato, Mexico,
- Methods of Environmental Impact Assessment and cumulative effects by networks.

Participation to various technical committees and groups

- Engineers of Canada. Program visitor/evaluator (2012 & ongoing)
- Int. Evaluation Board. Glasgow Research Partnership, British Research Council (2007 – Six year appointment)
- Canada foundation for Innovation, evaluation committee (2011, 2012)
- Ministry of Research and Innovation – Ontario Research Excellence Program Ext. Evaluator (2008)
- Canadian Society Civil Eng. Member of selection committee for the annual Keefer Medal award (1999 to present)
- Quebec Research Funds FQRNT - external evaluator (1999 to present)
- ASTM International - Soils and Rock. Reviewer (1995 to present)
- Commission for Environmental Cooperation – NAFTA, External adviser (1995 to present)
- Member of Canadian Research Council/Strategic Panel on Sustainable Development (2004 - 2007)

Evaluator for the following scientific journals (last 6 years)

- J. of Environmental Earth Sciences
- J. of Soils and Sediments
- J. of Water, Air and Soil Pollution
- J. of Soil Contamination
- Can. Geotech. J.
- Water Research J.
- Environ. Sci. & Techn. J.
- J. of Env. Modeling and Software
- Chemistry and Eco. J.
- J. of Environ. Sci.
- Risk & health J.
- Soil & Sediment Contamination Int. J.
- J. of Materials Cycles and Waste Management.
- Canadian Journal of Civil Eng.

Consultant work (last 6 years)

- Association Québécoise de lutte contre la pollution atmosphérique (2013) et Greenpeace Canada (2013): Expertise sur les risques de transport du pétrole lourd par de pipelines à gaz.
- Dolomite et Groupe Vertdure Inc. (Quebec): (2010-ongoing)
- Vinci Autoroutes (France): de-icing highway runoff treatment (2010-ongoing)
- Government of Northwest Territories (Canada): Environmental Impacts to the McKenzie River Delta (2011-2012),
- Ville de Gatineau (Canada): used snow treatment unit (2010-ongoing)
- Petrobras (Brazil): reservoir eutrophication (2008-2010)
- NORANDA Mines (Canada): geochemistry of mining residues from Waite Amulet (2000-2005),

- TECSULT (Canada): acid volatile sulfides in sediments from St-François Lake (1995-2000)
- SNC-Lavalin (Canada): bio treatability studies (1990-2008),
- Elf Aquitaine (France): various consulting projects (2000-2008).

Full professor - Civil and Water Eng. Department, Laval University, Quebec, Canada (since 1994)

- Teaching: Water Treatment Process, Solid Waste Management, Treatment of Hazardous Waste, Site Characterization and Restoration, Environmental Impact Evaluation, Contaminant Transport Processes, Unit treatment Processes, Water Distribution Networks, Environmental Geotechnics, Attenuation and adaptation measures in relation to climate change.
- Research supervision: Provided direction for over 60 graduate students, presently supervising 12 graduate students.
- Management: Manager of the Environmental laboratory (equipped with up to date analytical instruments).

Associated Professor or Visiting Researcher at the following universities and institutes:

- Istituto per lo studio degli ecosistemi – Consiglio Nazionale de Ricerca, Italy. (2007 to present),
- LBERI - Biwa Lake Research Center, Japan. (2007),
- Water Resources for the Mediterranean Region - UNESCO Chair – Sophia Antipolis University, France (1994 to present),
- École Nationale de Travaux Public de l'État, Lab. en Environnement, Lyon, France (1995 to present),
- Master's Program Water Sciences, Civil Eng. Dept., Guanajuato Univ. Mexico. (1999 to present),
- Andean Institute of Technology (Cuzco, Peru) (1999 to present).

Research Associate and Lecturer at the Geotechnical Research Centre - McGill University (1985 to 1994)

Responsible for 100 projects (including overseas projects) regarding environmental engineering: water treatment and distribution, waste water treatment plants, hazardous waste management, municipal solid waste recycling programs, development of unit processes for water, soil, sediments and mine residues treatment, characterization studies, soil-contaminant interaction studies.

Civil engineer at the Pan-American Office of Sanitary Engineering - WHO, Lima – Peru (1983-1984)

Conception and design of water and wastewater treatment plants and distribution or collection systems, evaluation of unit's process, oxidation lagoons, re-use of waste water in irrigation, sludge recycling.

AWARDS

2015 Prix d'excellence en enseignement U. Laval (catégorie cours à distance, 10 Enseignants) Fondements du développement durable.

2014 Finalist 'Femme d'affaires du Québec', Quebec's business women network

2013 'Excellence en Environnement', Association Québécoise de Transport & Société d'assurance automobile - 6ième Gala de Grands Prix d'Écellence en Transport. Quebec, Canada.

2012 'Professionnel de l'année', Chambre de Commerce LA, Montréal, Canada.

2012 'Citoyen engagé', Chambre de Commerce LA, Montréal, Canada.

2010 'In recognition to international cooperation' Université de Guanajuato, Mexique.

2009 'Proud to be Peruvian' Award to successful professionals around the world – Peruvian Congress, Peru.

2008 'Immigrant notable' 400e Anniversaire de la Ville de Québec, Canada

2008 'Femmes en sciences', 400e Anniversaire de la Ville de Québec, Canada

2007 'Professeur Étoile' – Faculté de sciences et de génie. Université Laval, Canada

2006 'Prix Fernand Seguin' best scientific article, Réseau Environnement, Québec, Canada

2004 'Excellence in Teaching and International Cooperation' Guanajuato University, Mexico

2004 'Technical Editor Award' – ASTM International, USA.

LANGUAGE SKILLS

Spanish is my mother tongue; I'm also fluent (written and spoken) in English and French. I speak and read Italian.

PROFESSIONAL MEMBERSHIPS

Ordre des ingénieurs du Québec, ASTM Int., Canadian Society for Civil Eng., Engineers Without Borders.

COMMUNICATIONS

Invited speaker and Keynotes:

- Keynote speaker: The human and environmental disaster at Lac Mégantic: the event, the impacts and the lessons to be learned. 14th Global Joint Seminar on Geo-Environmental Engineering. Montreal CSCE, CGS. 21-22 May 2015.
- Invited speaker and panelist: The need of Genomic tools in environmental restoration. Workshop organized by Génome Québec (Montréal, Mars 2015).
- Invited speaker : Le transport du pétrole non-conventionnel et les impacts potentiels sur l'environnement. Conference organized by the Conférence des Élues et le Conseil Régional de l'environnement du Bas St-Laurent (Rivière du Loup, 28 Août 2014)
- Invited speaker : Le transport du pétrole non-conventionnel et les impacts potentiels sur l'environnement. Série de conférences présentées à: Saint-Honoré, Cap Saint-Ignace, St-Eugene, St-Honoré, Cap St-Ignace, St-Eugene, Maskinongé, Rigaud, Lanoraie, Quebec, Canada (2014-2015)
- Invited speaker: Canadian Society of Civil Engineers – Quebec, Sherbrooke, Montreal — Lac Mégantic's human and environmental disaster: the event, the impacts and the lessons to be learned. (2014-2015).
- Invited speaker : Impact des changements climatiques sur les infrastructures et la planification communautaire, Forum organisé par l'institut du développement durable des Premières Nations du Québec et du Labrador (IDDPNQL) et l'Association québécoise de lutte contre la pollution atmosphérique (AQLPA) 25 février 2015 à Québec.
- Invited speaker: MRC de Sources – Université Rurale de Québec : La restauration de lacs, l'approche intégrée par bassin versant, les techniques disponibles de restauration et le cas du Lac Saint-Augustin. St-Camille, Québec. Septembre, 2013.
- Keynote lecture: Eco-process applied the restoration of water and sediments: watershed integrated approach. BIT 2nd Annual World Congress Taiyuan, China. (September, 2012)
- Keynote lecture: Évaluation pilote des éco-procédés de traitement, appliqués au ruissellement routier: suivi de l'écosystème et de la performance. National Congress Winter Viability. AQTR, Québec, 2011.
- Keynote lecture: A Geo-filter and Halophyte Wetland: an Eco-engineering system for the treatment of saline highway runoff. BIT 1st Annual Congress, Dalian, China (October, 2011).
- Keynote lecture: Impact of multiple dams in river/lake water quality and quantity. United Nations University (2011) – Verbania, Italy.
- Invited speaker: Les techniques disponibles pour la remédiation de l'eutrophisation. Conseil Bassin Versants Lac Sergent, Québec (2011).
- Invited speaker: La restauration de lacs par une approche intégrée par bassin versant: le lac Saint-Augustin et son problème d'eutrophisation. Société Canadienne de Génie Civil (Québec, 2010).
- Invited speaker: Eco-Engineering Applications. 2e tour des universités brésiliennes: Universidad de Rio de Janeiro, Universidad de San Carlos, Universidad de Bello Horizonte, Petrobras (Brésil, 2009).
- Keynote lecture: Sediment Decontamination in a Context of Watershed Integrated Management: Canadian Lakes and the Eutrophication Problem. 4ISCS, Dublin, July, 2009.
- Keynote lecture: Sediment Decontamination in a Context of Watershed Integrated Management: Canadian Lakes and the Eutrophication Problem. 4ISCS, Dublin, 2009.
- L'équité environnementale: clef du DD. Institut Hydro-Québec en Environnement, développement et société. Avril, 2009.
- Italian Tour (Roma, Milano, Verbania, Pisa) Intervention Strategies from the Environmental Engineering Perspective, organized by the Italian Research Council (2007-2008).
- Watershed management of eutrophic lakes – Brazilian Tour (Petrobras, Rio de Janeiro, San Carlos, Sao Paulo) Novembre 2007.

- Association Canadienne des ressources hydriques section Québec. 'Recouvrement actif et coagulation contre l'eutrophisation de lacs dans une étude par bassin versant' (02/2007).
- Lake Champlain Research Consortium 2005 Conference (12/09/2005) Philisburgh, Vermont. 'Active Capping and coagulation for restoration of eutrophic lakes'.
- Ministère de développement durable, environnement et parcs de Québec. (MDDEP) (26/04/2005) 'Stratégies d'intervention en milieu lacustre, méthode combinée coagulation et recouvrement actif et son évaluation écotoxicologique'.
- OECD Workshop on Training Engineers in Risk Management (09/2003) Montreal, Canada. 'The Use of Risk Notions in the Management of Contaminated Sites in Urban Areas'
- UNESCO 5th International Symposium on Water (06/2003) Cannes, France. 'The Problem of Excess Nutrients and Metal Contaminants in bottom Sediments of Canadian Lakes'
- UNESCO 2nd, International Symposium on Water (05/2001) Cannes, France. 'The Role of Soils in the Restoration of Groundwater'
- Salon Pollutec – Biotechnology Forum (10/2000) Lyon, France. 'The Use of Organic Acids in the Heap Leach of Heavy Metals' United Nations – Interchimie Workshop on the Analysis, methods of treatment and restoration of polluted soils (09/1999) Paris, France. 'Heavy Metal Partitioning by SSE and SEM as Analytical Tools for Soil Remediation'.

Organisation of Conferences and Workshops

- Chair Session Lac-Mégantique: quand l'improbable devient réalité - Salon de technologies environnementales de Québec (12 mars, 2014)
- Chair 2e atelier MDDEP sur les Projets de restaurations de lacs (14 Juin 2013)
- Chair de session ASLO (Int. Science Association on Oceans and Limnology) Biwa, Japan (2012)
- Co-Chair of 1st (1994, Montreal), 2nd (2003, Quebec) and 4th (2009, Dublin) International Symposiums on Contaminated Sediments sponsored by ASTM and CSCE.
- Chair 1er atelier MDDEP sur les Projets de restaurations de lacs (2009)
- Organisation and participation : 8^e Colloque Annuel Chapitre St-Laurent (2004)
- Organisation and participation: Conférence Annuelle GÉOINGENIERIE (2004)
- Organisation and participation: 2e, 3e, 4e and 5e Symposium International de l'Eau, sponsored by UNESCO Chair on Mediterranean Water Resources, United Nations University, World Bank and European Council. I edited the proceedings of the 2nd and 5th Symposiums.

Media Interviews (not exhaustive list)

- (04/2015) Découvrir le Magazine de l'ACFAS. Quatre questions pour une experte de l'or noir. | Dossier » Expertise <http://www.acfas.ca/publications/decouvrir/2015/04/quatre-questions-experte-l-or-noir>
- (05/2015) Le Fil des Événements Volume 50, numéro 297 - Une expertise de pointe
- (11/2014) Journal Les Affaires Rosa Galvez-Cloutier : innover en environnement
- (07/2014) The Globe and Mail, Le Devoir, Presse Canadienne - Expert says no plans and equipment in place to deal with another Lac-Mégantic-type disaster
- (11/2013) Canadian Water Magazine: The Lac-Mégantic tragedy highlights the environmental risks of transporting oil. <http://watercanada.net/2013/when-rail-meets-water-2/>
- (11/2013) The Gazette: Water near Lac-Mégantic tainted: <http://www.montrealgazette.com/news/Water+near+M%C3%A9gantic+tainted+groups+warn/9132781/story.html>
- (10/2013) Radio Ville Marie, La Grande Équation : Prendre la mesure de nos impacts environnementaux. <http://lagrandeequation.ca/spip.php?article72>
- (08/2013) The Gazette: Decontamination of PCB site will take months; Cleanup to cost millions, and taxpayers may foot the bill, expert says. <http://westislandgazette.com/news/story/2013/08/29/decontamination-of-pcb-site-will-take-months-cleanup-to-cost-millions-and-taxpayers-may-foot-the-bill-expert-says/>
- (08/0213) The Gazette: Problem of PCBs and toxic waste too often buried: <http://westislandgazette.com/news/story/2013/08/30/130032/>

- (07/2013) Radio Canada (various interviews) Lac Mégantic's oil spill and fire: <http://www.radio-canada.ca/audio-video/media/2013/07/07/Impact-environnemental--entrevue-avec-Rosa-Galvez-cloutier?externalId=6753714&appCode=medianet;> [http://www.radio-canada.ca/nouvelles/environnement/2013/07/23/001-megantic-decontamination-pelletier-galvez.shtml;](http://www.radio-canada.ca/nouvelles/environnement/2013/07/23/001-megantic-decontamination-pelletier-galvez.shtml) <http://watercanada.net/2013/when-rail-meets-water-2/>
- (07/2013) McLean's Magazine: How suspect practices and policies helped fuel the Lac-Mégantic crash. Questions on the rail industry's rules and self-regulation <http://www2.macleans.ca/2013/07/12/runaway-disaster-3/>
- (2011) La dame du lac | découverte | radio-canada.ca <http://www.radio-canada.ca/emissions/decouverte/2011-2012/Reportage.asp?idDoc=223300>
- (10/2005) Entrevue au journal le Soleil sur la gestion intégrée des déchets à la Ville de Québec
- (10/2004) Refaire le fond | La semaine verte | Radio-canada.ca http://www.radio-canada.ca/actualite/semaine_verte/reportage.aspx?idDocument=30728&idItemMenu=27
- (04/2003) Programme TV '5 sur 5' RC animé par Bernard Derome - La gestion de déchets
- (12/2001) Documentary (3 épisodes) 'Les mémoires du Futur – La pollution urbaine' France, Belgique, Canada and Suisse (TF3, TV Belge, RC & TV Suisse). Director Bill Binnemans. <http://www2.rtbf.be/memoires/prod/temoins.html>

SELECTED PUBLICATIONS

Articles in refereed journals

1. B. Morteau, G. Triffault-Bouchet, R. Galvez-Cloutier, and L. Martel (submitted to ASCE J. of Env. Eng.) Constructed wetland treating de-icing salts contaminated road runoff with halophytic plants (*Typha angustifolia*, *Salicornia europaea*, and *Atriplex patula*), a pilot study. ASCE J. of Env. Eng.
2. Galvez-Cloutier, Rosa; de Santiago-Martín, Ana; Guesdon, Gaëlle; Michaux, Arthur; Constantin, Boris (submitted to Environmental Geochemistry and Health) Potential of anthracite coal, dolomite, urgonian limestone and pozzolan as filter bed for the removal of salted road runoff.
3. N. Kagambega, R. Galvez-Cloutier, A. Ouattara and M. Laflamme. 2014. Assessment of the Neutralizing Capacity of High Purity Dolomite on the Highly Polluted Acid Mine Drainage. International Journal of Environmental Engineering and Natural Resources. Volume 1, Number 3, 2014, pp. 120-129
4. A., De Santiago Martín, B. Constantin, G. Guesdon, N. Kagambega, S. Raymond, R. Galvez-Cloutier. 2014. Bioavailability of engineered nanoparticles in soil systems. Journal of Hazardous, Toxic, and Radioactive Waste. Special Issue Nanomaterials: Measurements, fate and future. doi: 10.1061/(ASCE)HZ.2153-5515.0000263
5. R. Galvez-Cloutier, G. Guesdon et A. Fonchain (2014) Lac-Mégantic : analyse de l'urgence environnementale, bilan et évaluation des impacts Rev. can. génie civ. 41: 531–539 (2014) dx.doi.org/10.1139/cjce-2014-0011.
6. N. Kamal, R. Galvez and G. Buelna (2014) Application of a solid phase extraction-HPLC method to quantify phenolic compounds in woodwaste leachate. Water Quality Research Journal of Canada. 49.3 :210-222
7. Alves, B., S. Dungan, C. R. S. de Carvalho Pinto, R. L. P. Carnin, and R. Galvez-Cloutier (2014) Metals in Waste Foundry Sands and an Evaluation of Their Leaching and Transport to Groundwater. Water Air Soil Pollution Journal (2014) 225:1963 DOI 10.1007/s11270-014-1963-4.
8. Morteau, B., G. Triffault-Bouchet; R. Galvez-Cloutier and L. Martel (2014) Nutrient and removal kinetics impacts on salt phytoremediation by *Atriplex patula* and *Typha angustifolia*. ASCE Journal of Environmental Eng. DOI: 10.1061/(ASCE)EE.1943-7870.0000889.
9. Tornimbeni O., R. Galvez, G. Triffault-Bouchet, N. Dassylva and S. Roberge (2013) Study of heavy metal concentrations in *Cipangopaludina chinensis* and relationships with sediments in Saint Augustin Lake, Québec City, Canada. *International Journal of Limnology*. 49: 21-29. DOI 10.1051/limn/201334.
10. S. Saminathan, Rosa Galvez-Cloutier, Kamal, N. (2013) Performance and Microbial Diversity of Aerated Tricling Biofilter for treating Cheese Industry Wastewater", *Applied Biochemistry and Biotechnology J.*, 170, 149-163.
11. R Galvez (2012) Two methods for the recovery of ecosystems affected by road runoff. In Drainage and stormwater management. Syntheses of best practices road salt management. Transportation Association of Canada: special issue on Synthesis of success in road salt management. 2-34.
12. Rosa Galvez-Cloutier, S. Saminathan, C. Boillot, G. Triffaut-Bouchet, A. Bourget and G. Soumis-Dugas (2012) Testing Efficiency and Ecocompatibility of Various In-lake Restoration Techniques *Env. Management J.* Vol. 49, Issue 5 Page 1037-1053 DOI: 10.1007/s00267-012-9840-7.

13. Morteau, B, Galvez, R., G. Triffault-Bouchet, S. Leroueil, L. Martel and Y. Bédard. (2010) Treatment of salted road runoffs using *Thypha latifolia*, *Spergularia Canadensis* and *Atriplex patula*: a comparison of their salt removal potential. *J. ASTM International*. Vol 6, No 4. Doi: 10.1520/JAI102173 pp 218-227.
14. Soumis-Dugas, Triffault-Bouchet, G, R. Galvez, G. and L. Martel. Ecotoxicological Assessment of an In-Lake Remediation Methods (2010) *J. ASTM International*. Vol 6, No 4. Doi:10.1520/JAI102181 pp 248-268.
15. Ellwood NTW, Albertano, PA, Galvez, R., Mosello, R., Funicello, R. (2009) Water chemistry and trophic status of Lake Albano (Central Italy): a 4 year water monitoring study. *Journal of Limnology* 68(2) 288-303.
16. Galvez-Cloutier, R. and Sanchez, M. (2008) Quality Analysis of 154 lakes in Quebec, Canada: Trophic Status and Recommendations. *Can. Water Res. J.* Vol. 42.4: 252-268, 2008.
17. Lassabatère, L., Winiarski, Galvez-Cloutier and Delolme (2007) Associated Zn/Cd and Pb retention induced by non - instantaneous dissolution of calcite deposit from an infiltration basin for the treatment of storm waters. *Chemosphere* 69 (2007) 1499–1508.
18. Galvez-Cloutier, R. S. Leroueil, D. Allier, J. Locat and S. Arsenault (2006) 'A Combined Method: Precipitation and Capping, to Attenuate Eutrophication in Canadian Lakes', *Journal ASTM International STP 1482:232-239*.
19. J-S. Dubé and R. Galvez-Cloutier (2005) 'Mobility of Six Heavy Metals in a Contaminated Soil during Acidification' *J. Env. Eng. Sci.* 4:1-13.
20. R. Galvez-Cloutier and P-J Lefrançois (2005) 'Les sols contaminés par des métaux lourds. Partie II: techniques de restauration' *Vecteur Env.* Vol.38:4 pp 48-54. .
21. R. Galvez-Cloutier and P-J Lefrançois (2005) 'Les sols contaminés par des métaux lourds. Partie I: distribution géochimique' *Vecteur Env* Vol.38:3 pp30-38. .
22. L. Lassabatère, Winiarski, T. and Galvez-Cloutier, R. (2005) 'Can geotextiles modify the transfer of heavy metals transported by stormwater in infiltration basins?' *Water Sci. & Tech. J.* Vol.51:2 pp.29-36.
23. L. Lassabatère, T. Winiarski and R. Galvez-Cloutier (2004) "Retention of Zn, Pb and Cd in a carbonated soil controlled by the modification of flow with geotextiles" *Env. Sc. & Techn. J.* 38: 4215-4221.
24. Dubé, J.-S., T. Winiarski and R. Galvez-Cloutier. (2003) "Effect of the Initial Soil Water Saturation on the Behaviour of a Mixed LNAPL and HM contaminated Glacio-fluvial deposit" *European J. of Soil Sc.* Vol. 54.3:3 517-530.
25. R. Galvez-Cloutier, M. Muris, J. Locat and C. Bourg (2003) "Retention of Heavy Metals in the Post '96 Flood Sediment Layer Deposited in the Saguenay River" *ASTM STP 1442: 310-322*. ASTM Int. Pub.
26. C. Mulligan and R. Galvez-Cloutier (2003) "Bioremediation of Metal Contamination" *J. of Env. Monitoring and Assess.* 84: 45-60.
27. R. Galvez-Cloutier, M-E. Brin, G. Dominguez, S. Leroueil, and S. Arsenault (2003) "Quality Evaluation of Eutrophic Sediments at St-Augustin Lake, Canada" *ASTM Special Technical Publication 1442: 35-52*. ASTM Int. Pub.
28. J.-S. Dubé, R. Galvez-Cloutier and Winiarski, T. (2002) "Heavy Metal Transport in Soil Contaminated by Residual LNAPL" *Can. Geotech. J.* 39:279-292.
29. R. Galvez-Cloutier and J-S. Dubé (2002), "Impact of Residual NAPL on Water Flow and Heavy Metal Transfer in Multimodal Soil under Saturation Conditions: Implications for Contaminant Mobility" *ASTM STP1415:126-137*.
30. Galvez-Cloutier, R., Ize, S. and Arsenault, S. (2002) 'La Contamination des Lacs: manifestations et moyens de lutte contre l'eutrophisation' *Vecteur Environnement* Vol. 35 no 6: 18-38.
31. Lassabatere, L., Winiarski, T., and Galvez-Cloutier, R., (2002) "Transfer of Heavy Metals in a Soil Amended with Geotextiles", *ASTM STP 1415: 162-175*. ASTM Int. Pub.
32. C. Mulligan and R. Galvez-Cloutier (2000) "Bioleaching of Copper Mining Residues by *Aspergillus Niger*", *J. of Water Sciences and Technology*. Vol. 41: 255-262, IWA Pub.
33. Thériault, P. Galvez-Cloutier, R. and Winiarski, T. (2000) 'Impact of Heavy Metals (Pb, Zn and Cr) on the hydraulic conductivity of Sand/bentonite liners'. *ASTM STP 1384: 243-253*.
34. Galvez-Cloutier, R. and J-S. Dubé (1998a) 'Faisabilité d'extraction du Pb d'un sol contaminé'. *Vecteur Environnement* Vol.31.3:30-37. Réseau Environnement.
35. Galvez-Cloutier, R. J-S Dubé and S. Ferigutti (1998) 'Le choix d'une technologie par l'utilisation d'un modèle d'aide à la décision à multicritères'. *Vecteur Environnement* Vol 31.2:25-37. Réseau Environnement.
36. Galvez-Cloutier, R. and Dubé, J-S. (1998b) 'An Evaluation of Fresh Water Sediment Contamination: Analysis for Quality Assessment' *Water, Air and Soil Pollution J.* 102:259-279. Kluwer Acad. Pub.
37. Galvez-Cloutier, R. and Dubé, J-S. (1998c) 'An Evaluation of Fresh Water Sediment Contamination: Heavy Metal Particulate Speciation'. *Water, Air and Soil Pollution J.* 102: 281-302. Kluwer Acad. Pub.

Conference Proceedings with review committee

38. B. Constantin and R. Galvez (2015) Phosphorus retention by fine-grained dolomite for eutrophic waters remediation. 14th Global Joint Seminar on Geo-Environmental Engineering. May 21st—22nd, Montreal.
39. N. Kagambega, A. Ouattara and R. Galvez (2015) De-icing salt and mobilization of metals. 14th Global Joint Seminar on Geo-Environmental Engineering. May 21st—22nd, Montreal.
40. R. Galvez-Cloutier, G. Triffault-Bouchet and B. Constantin (2012) Pilot test and eco-compatibility of various in-lake restoration techniques for the rehabilitation of eutrophic lakes. ASLO, Biwa, Japan.
41. L. Lassabatere, E. Lamy, B. Bechet, R. Galvez Cloutier, T. Winiarski (2012) Use of geotextiles to regulate flow and reduce pollutant transfer in stormwater management. 9th International Congress on Civil Engineering, May 8-10, 2012. Isfahan University of Technology, Isfahan, Iran.
42. R. Galvez, S. Leroueil, G. Triffault-Bouchet, L. Martel (2011) Étude pilote pour le traitement du ruissellement routier par éco-procédés. Revue Routes et Transports, Publiée par l'AQTR. Pp 15-18.
43. Galvez-Cloutier, R., H. Hebert, A. Gauthier, E. Talla and X. Cherrai (2011) Geochemical Considerations for the Restoration of Contaminated Sediments in Aylmer Lake: An Inheritance of a Mining Past. ICOBTE, Florence, Italie 2011.
44. R. Galvez, Leroueil, S., Triffault-Bouchet, G., Martel. L., Morteau, B. (2011) A Geo-Filter Bed and Halophyte Wetland: an Eco-Engineering System for the Treatment of Saline Highway Runoff. WCEB, Dalian, China.
45. R. Galvez-Cloutier, Leroueil, S., Triffault-Bouchet, G., Martel. L., Morteau, B. (2010) Natural Geo-filter bed and Halophyte Wetland: An Eco-Engineering System to Mitigate Saline Highway Runoff Impacts, IASTED Technology Conference, Banff, Alberta July 2010.
46. Galvez-Cloutier, S. Leroueil, L. Martel et G. Triffault-Bouchet (2010) 'Essais pilotes et évaluation écotoxicologique de deux méthodes de contrôle *in-situ* du Phosphore au lac Saint-Augustin' 14th Colloque annuel Chapitre Saint-Laurent SRA-SETAC.
47. Boillot C., Soumis-Dugas G., Galvez R., Martel L., Bastien C., Triffault-Bouchet G. (2009) Eco-compatibility of an in lake restoration technique for the Missisquoi bay and the Saint-Augustin Lake (oral communication). 36th Aquatic Toxicity Workshop, La Malbaie (Québec)
48. Soumis-Dugas G., Boillot C., Galvez R., Martel L., Bastien C., Triffault-Bouchet G. (2009) The use of monospecific and multispecific bioassays to assess the Eco-compatibility of alum application in eutrophicated lake restoration (poster) 36th Aquatic Toxicity Workshop, La Malbaie (Québec).
49. Boillot C., Triffault-Bouchet G., Dugas G., Galvez-Cloutier R., Martel L. Écocompatibilité d'une technique de restauration vis-à-vis de la baie Missisquoi (lac Champlain) (2009). Résultats préliminaires (poster). 13^{ème} colloque annuel du Chapitre Saint-Laurent.
50. Galvez-Cloutier, R. S. Leroueil, J. Locat and L. Martel (2006) 'Watershed Integrated Approach for the Study and Remediation of Eutrophic lakes' 59th Canadian Geotechnical Conference.
51. Galvez-Cloutier, R. Rodriguez (2005) "Using multicriteria decision aid 'expert choice' to assess the best solid waste management plan for Zapotlan, Mexico" Proc. 8th. Int. Conference on use of Aid decision methods in environmental Eng. Rome, Italy.
52. Galvez-Cloutier, C. Mulligan and A. Ouattara (2003) "Bioremediation of Cu, Ni, Pb and Zn using organic acids produced by *Aspergillus niger* and *Penicillium simplicissimum*" Proceedings of the 2nd International Biohydrometallurgy, Athens, Greece.
53. Galvez-Cloutier, R. and Rodriguez-Mendez, R. (2003) 'Évaluation des options pour une gestion intégrée des déchets solides municipaux: Ciudad Guzman, Mexique' Proceedings of the Annual Conference of the Canadian Society for Civil Engineering, New-Brunswick, Canada. 546:1-10.
54. Galvez-Cloutier, R. and S. Ferigutti (2000) 'Approche méthodologique pour la transformation progressive d'un centre de transfert en centre de traitement'. Proceedings of the 2nd International Conference on decision making in Civil Engineering. Edited by Jean-Claude Mangin and Marcel Miramond ISBN 2868341179 pp. 681-694 Published jointly by INSA-Lyon, ESIGEC Chambéry, ENTPE-Lyon and ETS Canada. Pp 681-694.
55. Dubé, J.S., Galvez-Cloutier, R. et Winiarski, T. (2000) 'Physico-chemical influence of residual NAPL on heavy metal transfer in mixed contaminated soil: review and hypothesis' Proceedings of the 2000 annual CSCE conference, London, Ontario.

Editor

1. Associate editor for the *International Journal of Limnology*. Impact factor 2.5
2. Dyer, M. and Galvez-Cloutier, R. (2010) Contaminated Sediments: Sustainable Management and Remediation. ASTM Int. STP 1518. ISBN 978-0-8031-7504-4.
3. Locat, J., Galvez-Cloutier, R., Chaney, R. and K. Demars (2003) Editors. 'Contaminated Sediments: Characterization, Evaluation, Mitigation, Restoration and Strategy Performance'. ASTM Int. 327 pp.
4. Tremblay, H. Locat, J. and Galvez-Cloutier, R (2003) Editors. 'Transactions of the 2nd International Symposium on Contaminated Sediments'. Presse de l'Université Laval 406 pp.
5. Caruba, R. and Galvez-Cloutier, R (2001) Editors. 'L'Eau, l'Homme et l'Avenir'. Presse de l'Université Sophia Antipolis. 480 pp.

Book and contributions to a book

1. Galvez, R. and Guesdon, G-A. (under revision) Le génie environnementale de la théorie à la pratique : la gestion de déchets et sites contaminés, l'évaluation des impacts environnementaux. Editions Multimondes.
2. N.T. Ellwood, R. Galvez, P. Albertano. E. Viaggiu and R. Mosello (2010) Physico-chemical and biological aspects of Lake Albano. From: Funicello, R. and Giordano, G. (eds) The Colli Albano Volcano. Special publications of IAVCEI, 3, 269-277. Geological Society, London 1750-8202. IAVCEI 2010. ISBN 978-1-86239-307-3
3. Mulligan, C., Galvez-Cloutier, R. and Renaud, N. (1999). 'Biological leaching of Cu mine residues by *Aspergillus niger*' In: Biohydrometallurgy and the Environment towards the Mining of the 21st Century, R. Amils, and A. Ballester, Eds. Elsevier, Amsterdam, pp. 453-461.