

### Articles publiés avec comité de lecture

Bekri K, Pelletier E (2004) Trophic transfert and in vivo immunotoxicological effects of tributyltin (TBT) in polar seastar *Leptasterias polaris*. *Aquat Toxicol* 55:39-53

Breton S, Dufresne F, Desrosiers G, Blier P (2004) Morphological variation in *Nereis* (*Neanthes*) *virens* (Polychaeta : Nereidae) populations. *J Mar Biol Ass UK* 84:983-985

Caron A, Desrosiers G, Olive PJW, Retière C, Nozais C (2004) Comparison of diet and feeding activity of two polychaetes, *Nephtys caeca* (Fabricius) and *Nereis virens* (Sars), in an estuarine intertidal environment in Québec, Canada. *J Exp Mar Biol Ecol* 304:225-242

Caron G, Michel C, Gosselin M (2004) Seasonal contributions of phytoplankton and fecal pellets to the organic carbon sinking flux in the North Water (northern Baffin Bay). *Mar Ecol Prog Ser* 283:1-13

Cartier S, Pellerin J, Fournier M, Tamigneaux E, Girault L (2004) Use of an index based on the blue mussel digestive gland weight in assessing environmental conditions. *Aquaculture* 241:633-654

Coulon F, Pelletier E, Saint-Louis R, Gourhant L, Delille D (2004) Degradation of petroleum hydrocarbons in two sub-antarctic soils : influence of an oleophilic fertilizer. *Environ Toxicol Chem* 23:1893-1901

Delille D, Coulon F, Pelletier E (2004) Biostimulation of natural microbial assemblages in oil-amended vegetated and desert sub-Antarctic soils. *Microb Ecol* 47:407-415

Delille D, Coulon F, Pelletier E (2004) Effects of temperature warming during a bioremediation study of natural and nutrient-amended hydrocarbon-contaminated sub-Antarctic soil. *Cold Reg Sci Technol* 40:61-70

Etchian OA, Pellerin J, Audet C, Mathieu M (2004) Sexual maturation and related changes in aspartate transcarbamylase activity in gonad tissues in of the soft shell clam (*Mya arenaria*). *Com Biochem Physiol B* 139:287-297

Faucher M, Caya D, Saucier FJ, Laprise R (2004) Interaction between atmosphere and ocean-ice regional models over the Gulf of St. Lawrence area, Canada. *Atmos-Ocean* 45:85-100

Koutitonsky VG, Guyondet T, St-Hillaire A, Courtenay S, Bohgen A (2004) Water renewal estimates for aquaculture developments in the Richibucto estuary, Canada. *Estuaries* 27:839-850

Laurion I, Blouin F, Roy S (2004) Packaging of mycosporine-like amino acids in dinoflagellates. *Mar Ecol Prog Ser* 279:297-303

Le Clainche Y, Levasseur M, Vézina A, Darcy J, Saucier FJ (2004) Behaviour of the ocean DMS(P) pools in the Sargasso Sea viewed in a coupled physical-biogeochemical ocean model. *Can J Fish Aquat Sci* 61:788-803

Lemarchand K, Masson L, Brousseau R (2004) Molecular biology and DNA microarray technology for microbial quality monitoring of water. *Crit Rev Microbiol* 30:145-172

Levasseur M, Scarratt M, Roy R, Laroche D, Michaud S, Cantin G, Gosselin M, Vézina A (2004) Vertically resolved cycling of dimethylsulfoniopropionate (DMSP) and dimethylsulfide (DMS) in the Northwest Atlantic in spring. *Can J Fish Aquat Sci* 61:744-757

Mercier L, Audet C, de la Noüe J, Parent B, Parrish CC, Ross NW (2004) First feeding of winter flounder (*Pseudopleuronectes americanus*) larvae : use of *Brachionus plicatilis* acclimated at low temperature as live prey. *Aquaculture* 229:361-376

Mermillod-Blondin F, Gaudet JP, Gérino M, Desrosiers G, Jose J, Creuzé des Châtelliers M (2004) Relative influence of bioturbation and predation pressure on organic matter processing in river sediments : a microcosm experiment. *Freshwater Biology* 49:895-912

Merzouk A, Levasseur M, Scarratt M, Michaud S, Gosselin M (2004) Influence of dinoflagellate diurnal vertical migrations on dimethylsulfoniopropionate and dimethylsulfide distribution and dynamics (St. Lawrence Estuary, Canada). *Can J Fish Aquat Sci* 61:712-720

Mudie P, Rochon A, Aksu A, Gillespie H (2004) Late glacial, Holocene and modern dinoflagellate cyst assemblages in the Aegean-Marmara-Black Sea corridor : statistical analysis and re-interpretation of the early Holocene Noah's Flood hypothesis. *Rev Palaeobot Palynol* 128:143-167

Ouellette D, Desrosiers G, Gagné JP, Gilbert F, Poggiale JC, Blier PU, Stora G (2004) Effects on temperature on in vitro sediment reworking processes by a gallery biodiffusor, the polychaete *Nereis virens*. *Mar Ecol Prog Ser* 266:185-193

Ouellette D, Desrosiers G, Gagné JP, Gilbert F, Poggiale JC, Stora G, Blier P (2004) Effect of temperature on in vitro sediment-reworking processes by a gallery-biodiffusor, the polychaete *Nereis (Neanthes) virens* (Sars). *Mar Ecol Prog Ser* 266:185-193

Pellerin J, Ritchie H, Saucier FJ, Roy F, Desjardins S, Valin M, Lee V (2004) Impact of a two-way coupling between an atmospheric and ocean-ice model over the Gulf of St. Lawrence. *Mon Weather Rev* 132:1379-1398

Pelletier E, Delille D, Delille B (2004) Crude oil bioremediation in sub-Antarctic intertidal sediments : chemistry and toxicity of oiled residues. *Mar Environ Res* 57:311-327

Pernet F, Tremblay R (2004) Effect of varying levels of dietary essential fatty acid during early ontogeny of the sea scallop, *Placopecten magellanicus*. *J Exp Mar Biol Ecol* 310:73-86

Pernet F, Tremblay R, Langdon C, Bourget E (2004) Effect of additions of dietary triacylglycerol microspheres on growth, survival, and settlement of mussel (*Mytilus* sp.) larvae. *Mar Biol* 144:693-703

Perry GML, Audet C, Laplatte B, Bernatchez L (2004) Shifting patterns in genetic control at the embryo-alevin boundary in brook charr. *Evolution* 58:2002-2012

Rochon A, Marret F (2004) Middle latitude dinoflagellates and their cysts : increasing our understanding on their distribution. *Rev Palaeobot Palynol* 128:1-5

Saint-Louis R, Pelletier E (2004) LC-ESI-MS-MS method for the analysis of tetrabromobisphenol A in sediment and sewage sludge. *Analyst* 129:724-730

Saint-Louis R, Pelletier E (2004) Sea-to-air flux of contaminants via bubbles bursting : an experimental approach for butyltin. *Mar Chem* 84:211-224

Saucier FJ, Senneville S, Prinsenbergh S, Roy F, Gachon P, Caya D, Laprise R (2004) Modeling the ice-ocean seasonal cycle in Hudson Bay, Foxe Basin and Hudson Strait, Canada. *Clim Dyn* 23:303-326

Sibert V, Ouellet P, Brêthes JC (2004) Changes in yolk total proteins and lipid components and embryonic growth rates during lobster (*Homarus americanus*) egg development under a simulated seasonal temperature cycle. *Mar Biol* 144:1075-1086

St-Onge G, Mulder T, Piper DJW, Hillaire-Marcel C, Stoner JS (2004) Earthquake and flood-induced turbidites in the Saguenay Fjord (Québec) : a Holocene paleoseismicity record. *Quater Sci Rev* 23:283-294

Sundby B, Martinez P, Gobeil C (2004) Comparative geochemistry of rhenium, uranium, cadmium, and molybdenum during diagenesis of marine sediments. *Geochim Cosmochim Acta* 68:2485-2493

Viglino L, Pelletier E, Saint-Louis R (2004) Highly persistent butyletins in Northern marine sediments : a long-term for the Saguenay Fjord (Canada). *Environ Toxicol Chem* 23:2673-2681

Xie H, Zafiriou OC, Cai WJ, Zepp RG, Wang Y (2004) Photooxidation and its effects on the carboxyl content of dissolved organic matter in two coastal rivers in the Southeastern United States. *Environ Sci Technol* 38:4113-4119

### **Comptes-rendus de conférence**

Audet C, Whoriskey FG (2004) Smoltification printanière ou automnale ? Histoire de cas au Nouveau-Brunswick. *Cahier des résumés de la 7e rencontre annuelle CIRSA, Université Laval, Québec QC* p 28

Bastien A, Audet C, Bernatchez L (2004) Bases génétiques des traits physiologiques liés à l'anadromie chez l'omble de fontaine. *Cahier des résumés de la 7e rencontre annuelle CIRSA, Université Laval, Québec Qc* p 34

Brêthes JC (2004) Compte rendu de l'examen par les pairs des stocks de crabe des neiges du sud du golfe du Saint-Laurent, Région du Golfe. *Secrétariat canadien de consultation scientifique, série des comptes rendus /014* p 37

Chifflet M, Le Fouest V, Starr M, Saucier FJ, Zakardjian B (2004) Inter annual variability of the St. Lawrence productivity : a modelling study. *AGU-CGU-SEG-EEGS Joint Assembly Abstract volume* p 305

Lambrey de Souza J, Sévigny JM, Chanut JP (2004) Caractérisation génétique du maquereau bleu (*Scomber scombrus*) dans l'Atlantique nord ouest. *Actes des 36e Journées de Statistique, Société française de statistique (Sfds), Montpellier 6 pp sur CD-Rom*

Landry T, Tremblay R (2004) Spatial and temporal distribution of *Mytilus edulis* and *Mytilus trossulus* in Prince

Edward Island. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 43-47

Lavallée D, Audet C, Dodson JJ (2004) Activité thyroïdienne chez les ombles de fontaine (*Salvelinus fontinalis*) des rivières Laval et Sainte-Marguerite. Cahier des résumés de la 7e rencontre annuelle CIRSA, Université Laval, Québec Qc p 33

Le Clainche Y, Levasseur M, Vézina A, Saucier FJ (2004) Simulation of the ocean DMS(P) pools during series in the north-east Pacific. American Society of Limnology and Oceanography, The Oceanography Society Conference (ASLO/TOS Conference), Abstract book p 89

Lizotte M, Levasseur M, Scarratt M G, Merzouk A, Michaud S, Gosselin M (2004) DMS(P) dynamics during a spring phytoplankton bloom in the Northwest Atlantic. ASLO Meeting, Honolulu Hawaii – [www.aslo.org/meetings/honolulu2004/abstracts/551.html](http://www.aslo.org/meetings/honolulu2004/abstracts/551.html)

Moreau V, Tremblay R, Bourget E (2004) Distribution spatiale de deux espèces de moule *Mytilus edulis* et *Mytilus trossulus* dans la baie des Chaleurs selon différents types d'habitats. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 63-65

Mouneyrac C, Pellerin J, Amiard-Triquet C (2004) Progesterone levels in a key species in coastal sediments, the Annelid polychaete *Hediste diversicolor*. 30th Annual Toxicity Workshop Canadian technical Report of Fisheries and aquatic Sciences, Ottawa ON, 2510:38-44

Myrand B, Tremblay R (2004) Potentiel des mesures morphométriques pour identifier les deux espèces de moule bleue, *Mytilus edulis* and *Mytilus trossulus*, au Québec. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 5-10

Pellerin J, Amiard JC, Gratas C (2004) Comparisons of metallothionein like protein concentrations, cadmium accumulation and Metallothionein IIa gene expression after cadmium and estradiol exposure in *Mytilus edulis*. 30th Annual Toxicity Workshop Canadian technical. Report of Fisheries and aquatic Sciences, Ottawa ON, 2510 : 54-61

Qiu JW, Tremblay R, Bourget E (2004) Salinity tolerance during the life-cycles of mussels *Mytilus edulis* and *M. trossulus*. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 67-71

Souriceau M, Simard Y, Saucier FJ (2004) Aggregation and advection of macro-zooplankton in the St. Lawrence System. Theme Session on the Physical-biological Interactions : Experiments, Models and Observation International Council for the Exploration of the Sea, ICES CM /P:06 p 1-24

Thomas B, Tremblay R (2004) Spatial and temporal distribution of two mussel species (*Mytilus* spp.) and possible explanations. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 49-62

Tremblay R, Bourget E (2004) Physiological acclimation of *Mytilus edulis* and *Mytilus trossulus* to water

temperature and salinity. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 99-103

Tremblay R, Sévigny JM (2004) Comparison between *Mpi* and *Glu 5* to discriminate *Mytilus trossulus* from *M. edulis*. Atelier de travail sur la problématique *Mytilus edulis* et *M. trossulus* Compte rendu du ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec (MAPAQ), Vol 12 p 11 13

### **Éditions de livre ou chapitres de livres**

Chubarenko B, Koutitonsky VG, Umgeisser G, Neves R (2004) Modelling Concepts. In : Gonenc E, Woflin J (eds) Coastal Lagoons : Ecosystem Processes and Sustainable Use and Development, Chapter 6. CRC Press, Floride FL, p 231 306

Padros J, Pelletier E, Oliveira Ribeiro CA (2004) Les interactions multiples en écotoxicologie. Le cas du benzo (a)opyrène et du tributylétain chez l'omble chevalier (*Salvelinus alpinus*). In : Pelletier E, Campbell PGC, Denizeau F (eds) Écotoxicologie moléculaire. Principes fondamentaux et perspectives de développement. Presses de l'Université du Québec, p 257-299

Pellerin J, Gauthier-Clerc S, Siah A, Assoi-Etchian O (2004) Stress physiologique et perturbation endocrinienne chez les bivalves marins. In : Pelletier E, Campbell PGC, Denizeau F (eds) Écotoxicologie moléculaire. Principes fondamentaux et perspectives de développement. Presses de l'Université du Québec, p 350-400

Pelletier E, Campbell PGC, Denizeau F (2004) Écotoxicologie moléculaire : Principes fondamentaux et perspectives de développement, Presses de l'Université du Québec, Québec QC 500pp