

- Al Kaddissi S, Legeay A, Elia AC, Gonzalez P, Camilleri V, Gilbin R, Simon O. 2012. Effects of uranium on crayfish *Procambarus clarkii* mitochondria and antioxidants responses after chronic exposure: what have we learned? *Ecotoxicology & Environmental Safety*, 78: 218-224.
<http://www.sciencedirect.com/science/article/pii/S014765131100426X>
- Al Kaddissi, S., Frelon, S., Elia, A.-C., Legeay, A., Gonzalez, P., Coppin, F., Orjollet, D., Camilleri V., Beaugelin-Seiller K., Gilbin R., Simon, O. 2012. Are antioxidant and transcriptional responses useful for discriminating between chemo- and radiotoxicity of uranium in the crayfish *Procambarus clarkii*? *Ecotoxicology and Environmental Safety*, 80: 266-272.
<http://www.sciencedirect.com/science/article/pii/S0147651312000978>
- Biron P.-A., Massarin .S, Alonzo F., Garcia-Sanchez L., Charles S., Billoir E. 2012. Population-level modeling to account for multigeneration effects of uranium in *Daphnia magna*. *Environmental Science & Technology*, 46(2): 1136-1143.
<http://pubs.acs.org/doi/abs/10.1021/es202658b>
- D. Bugai, E. Tkachenko, N. Van Meir, C. Simonucci, A. Martin-Garin, C. Roux, C. Le Gal La Salle, YU. Kubko. 2012. Geochemical influences of the waste trench no.22T at Chernobyl Pilot Site at the aquifer: conceptual model, long-term trends and implications for radionuclide migration. *Applied Geochemistry*, 27: 1320-1338.
<http://www.sciencedirect.com/science/article/pii/S0883292711004112>
- Bugai D., Skalsky A., Dzhepo S., Kubko, YU., Kashparov V.A., Van Meir N., Stammose D., Simonucci C., Martin-Garin A. 2012. Radionuclide migration at experimental polygon at Red Forest waste site in Chernobyl zone; part 2 Hydrogeological characterization and groundwater transport modelling. *Applied Geochemistry*, 27: 1359-1374.
<http://www.sciencedirect.com/science/article/pii/S0883292711004495>
- Chapon V., Piette L., Vesvres M.-H., Coppin F., Le Marrec C., Christen R., Theodorakopoulos N., Février L., Levchuk S., Martin-Garin A., Berthomieu C., Sergeant C. 2012. Microbial diversity in contaminated soils along the T22 trench of the Chernobyl experimental platform. *Applied Geochemistry*, 27: 1375-1383.
<http://www.sciencedirect.com/science/article/pii/S0883292711003854>
- Faucher, K. Floriani M, Gilbin R, Adam-Guillermin C. 2012. Uranium-induced sensory alterations in the zebrafish *Danio rerio*. *Aquatic Toxicology* 124-125: 94-105.
<http://www.sciencedirect.com/science/article/pii/S0166445X12002317>
- Hinton T.G., Garnier-Laplace J., Vandenhove H., Dowdall M., Adam-Guillermin C., Beaugelin-Seiller K., Beresford N.A., Bradshaw C., Brown J., Eyrolle F., Février L., Gariel J.-C., Gilbin R., Hertel-Aas T., Horemans N., Howard B.J., Ikäheimonen T., Mora J.C., Oughton D., Real A., Salbu B., Simon-Cornu M., Steiner M., Sweeck L., Vives i Batlle, J. 2013. An invitation to contribute to a strategic research agenda in radioecology. *Journal of Environmental Radioactivity* 115: 73-82.
<http://www.sciencedirect.com/science/article/pii/S0265931X12001920>
- V. Kashparov, V. Yoschenko, S. Levchuk, D. Bugai, N. Van Meir, C. Simonucci, A. Martin-Garin. 2012. Radionuclides migration at the experimental polygon at red forest waste site in chernobyl zone; part 1: characterization of the waste trench, process of fuel particle transformation in soils and biogenic fluxes and effects to biota. *Applied Geochemistry*, 27: 1348-1358.
<http://www.sciencedirect.com/science/article/pii/S0883292711004185>
- E. Lance, F. Alonzo, L. Garcia-Sanchez, K. Beaugelin-Seiller, J. Garnier-Laplace. 2012. Modelling chronic effects of ionizing radiation at the population level in non-human species. *Science of the Total Environment* 429 : 206-214.
<http://www.sciencedirect.com/science/article/pii/S0048969712004822>
- Mihalík J., Henner P., Frelon S., Camilleri V., Février L. 2012. Citrate assisted phytoextraction of uranium by 1 sunflowers: study of fluxes in soils and plants and resulting intra-plant distribution of Fe and U. *Environmental and Experimental Botany*, 77: 249-258.
<http://www.sciencedirect.com/science/article/pii/S0098847211003054>
- Réty C., Gilbin R., Gomez E. 2012. Induction of Reactive Oxygen Species and Algal Growth Inhibition by Tritiated Water with or Without Copper. *Environmental Toxicology*, 27(3): 155-165.
<http://onlinelibrary.wiley.com/doi/10.1002/tox.20626/abstract>

Publications du L2BT en 2013

- Frelon S., Mounicou S., Lobinski R., Gilbin R., Simon O. 2013. Subcellular fractionation and chemical speciation of uranium to elucidate its fate in gills and hepatopancreas of crayfish, *Procambarus clarkii*. *Chemosphere* 91: 481-490. <http://www.sciencedirect.com/science/article/pii/S0045653512015093>
- Geffroy B., Gilbin R., Della Vedova C., Simon O. 2013. Effects of a *Spirulina platensis*-based diet on zebrafish female reproductive performance and larval survival rate. *Cybio*, 37(1-2): 31-38. <http://sfi.mnhn.fr/cybio/numeros/2013/371%20RIF/sommaire371.html>
- Henner P., Hurtevent P., Thiry Y., Levchuk S., Yoschenko V., Madoz-Escande C., Kashparov V. 2013. Translocation of ¹²⁵I, ⁷⁵Se and ³⁶Cl to edible parts of radish, potato and green bean following a wet foliar contamination under field conditions. *Journal of Environmental Radioactivity* 124: 171-184. <http://www.sciencedirect.com/science/article/pii/S0265931X13001380>
- Herlory O., Bonzom J-M., Gilbin R. 2013. Sensitivity evaluation of the green algae *Chlamydomonas reinhardtii* to uranium by pulse amplitude modulated (PAM) fluorometry. *Aquatic Toxicology* 140-141: 288-294. <http://www.sciencedirect.com/science/article/pii/S0166445X13001501>
- Herlory O., Bonzom J-M., Gilbin R., Frelon S., Fayolle S., Delmas F., Coste M. 2013. Use of diatom assemblages as biomonitor of the impact of treated uranium mining effluent discharge on a stream: case study of the Ritord watershed (Center-West France). *Ecotoxicology* 22: 1186-1199. <http://link.springer.com/article/10.1007%2Fs10646-013-1106-5>
- Hinton T.G., Garnier-Laplace J., Vandenhove H., Dowdall M., Adam-Guillermin C., Beaugelin-Seiller K., Beresford N.A., Bradshaw C., Brown J., Eyrolle F., Fevrier L., Gariel J.-C., Gilbin R., Hertel-Aas T., Horemans N., Howard B.J., Ikäheimonen T., Mora J.C., Oughton D., Real A., Salbu B., Simon-Cornu M., Steiner M., Sweeck L., Vives i Batlle, J. 2013. An invitation to contribute to a strategic research agenda in radioecology. *Journal of Environmental Radioactivity* 115: 73-82. <http://www.sciencedirect.com/science/article/pii/S0265931X12001920>
- Hurtevent P., Thiry Y., Levchuk S., Yoschenko V., Henner P., Madoz-Escande C., Leclerc E., Colle C., Kashparov V. 2013. Translocation of ¹²⁵I, ⁷⁵Se and ³⁶Cl to wheat edible parts following wet foliar contamination under field conditions. *Journal of Environmental Radioactivity* 121: 43-54. <http://www.sciencedirect.com/science/article/pii/S0265931X12001099>
- Le Dizès S., Aulagnier C., Henner P., Simon-Cornu M. 2013. TOCATA: a dynamic transfer model of ³H from the atmosphere to soil-plant systems. *Journal of Environmental Radioactivity*, 124: 191-204. <http://www.sciencedirect.com/science/article/pii/S0265931X13001045>
- Pereira S., Cavalié I., Camilleri V., Gilbin R., Adam-Guillermin C. 2013. Comparative genotoxicity of aluminium and cadmium in embryonic zebrafish cells. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 750: 19-26. <http://www.sciencedirect.com/science/article/pii/S1383571812002872>
- Plaire, D., Bourdineaud, J-P, Alonzo A., Camilleri, V., Garcia-Sanchez, L., Adam-Guillermin, C., Alonzo, F. 2013. Transmission of DNA damage and increasing reprotoxic effects over two generations of *Daphnia magna* exposed to uranium. *Comparative Physiology and Biochemistry Part C: Toxicology & Pharmacology*, 158(4): 231-243. <http://www.sciencedirect.com/science/article/pii/S1532045613000914>
- Saey L., Pourcelot L., Roussel-Debet S., Gurriaran R., Orjollet D., Leblanc F., Renaud P. 2013. Facteurs de transfert du césium au lait et à la viande déterminés à partir de mesures faites en France en 2011 à la suite de l'accident de Fukushima-Daichi. *Radioprotection* 48(3): 341-54. <http://www.radioprotection.org/action/displayAbstract?fromPage=online&aid=8995227&fulltextType=RA&fileId=S0033845113000598>
- Simon O., Floriani M., Camilleri V., Gilbin R., Frelon S. 2013. Relative importance of direct and trophic uranium exposures in the crayfish *Orconectes limosus*: Implication for predicting uranium bioaccumulation and its associated toxicity. *Environmental Toxicology & Chemistry* 32(2): 410-416. <http://onlinelibrary.wiley.com/doi/10.1002/etc.2068/abstract?systemMessage=Wiley+Online+Library+will+be+disrupted+on+11+May+from+10%3A00-12%3A00+BST+%2805%3A00-07%3A00+EDT%29+for+essential+maintenance&userIsAuthenticated=false&deniedAccessCustomisedMessage=>
- Tailliez A., Pierrisnard S., Camilleri V., Keller C., Henner P. 2013. Do rhizospheric processes linked to P nutrition participate to U absorption by *Lupinus albus* in hydroponics? *Journal of Environmental Radioactivity*, 124: 255-265. <http://www.sciencedirect.com/science/article/pii/S0265931X13001379>
- Theodorakopoulos N., Bachar D., Christen R., Alain K., Chapon V. 2013. Exploration of Deinococcus-Thermus molecular diversity by novel group-specific PCR primers. *Microbiology Open* 2(5): 862-868. <http://onlinelibrary.wiley.com/doi/10.1002/mbo3.119/abstract>