

Liste des publications
Equipe de Chimie Analytique et Matériaux pour l'Environnement et la Santé
Période 2013-2023

Publications de 2023 (mise à jour du 21/02/2022, n=9, moyenne = 4.5 par chercheur Eq. Temps Plein)

- A. SAULNIER, J. BLEU, A. BOOS, M. MILLET, S. ZAHN, P. RONOT, I. EL MASOUDI, E. ROJAS, P. UHLRICH, M. DEL NERO, S. MASSEMIN, *Reproductive differences between urban and forest birds across the years: importance of environmental and weather parameters*, Urban Ecosystems, sous presse, **2023**, <https://doi.org/10.1007/s11252-022-01305-9>.
- M. GALMICHE, A. SONNETTE, M. WOLF, CH. SUTTER, O. DELHOMME, Y.-N. FRANÇOIS, M. MILLET, *Simultaneous determination of 79 polar and non-polar Polycyclic Aromatic Compounds in airborne particulate matter by gas chromatography – tandem mass spectrometry*, Polycyclic Aromatic Compounds, sous presse, **2023**, <https://doi.org/10.1080/10406638.2022.2153884>.
- D. KHOURY, M. MILLET, Y. JABALI & O. DELHOMME, *Analytical method for the concomitant analysis of 242 organic compounds of diverse families in fog water*, Microchemical Journal, 185, Article n°108235, **2023**, doi.org/10.1016/j.microc.2022.108235.
- A. RODRIGUES, A. GAFFARD, J. MOREAU, K. MONCEAU, O. DELHOMME, M. MILLET, *Analytical development for the assessment of pesticide contaminations in blood and plasma of wild birds: the case of grey partridges (*Perdix perdix*)*, Journal of Chromatography A, 1687, ARTICLE N°463681, 2023, DOI.ORG/10.1016/J.CHROMA.2022.463681.
- J. AL-ALAM, M. MILLET, M. HARB, E. AKOURY, S. TOKAJIAN, M. WAZNE, *Field evaluation of heavy metal bioaccumulation in the gastropod *Helix aspersa* at agricultural and industrial sites in Lebanon*, Environmental Monitoring and Assessment, 195, Article N°197, 2023, doi.org/10.1007/s10661-022-10791-5.
- C. TIDIANE DIONE, M. NDIAYE, O. DELHOMME, CH. DIEBAKATE, B. NDIAYE, I. DIAGNE, D. CISSE, M. HANE, M. MOR DIONE, S. DIOUF, A. DIOP, M. MILLET, *Pollution of water in Africa: a review of contaminants and fish as biomonitors and analytical methodologies—the case of Senegal*, Environmental Science and Pollution Research, 30, 2374–2391, **2023**, <https://doi.org/10.1007/s11356-022-24216-w>.
- A. SAULNIER, J. BLEU, A. BOOS, M. MILLET, S. ZAHN, P. RONOT, I. EL MASOUDI, E. R. ROJAS, P. UHLRICH, M. DEL NERO, S. MASSEMIN, *Yearly variation of physiological differences between urban and forest great tits *Running head (60 or fewer characters with space): Urban environment and yearly variation of great tits health**, Physiological and Biochemical Zoology, 279, Article N°11385, **2023**.
- C.T. DIONE, B. NDIAYE, M. NDIAYE, CH. DIEBAKATE, M. MILLET, O. DELHOMME, I. DIAGNE, D. CISSE, M. HANE, A. DIOP, *Determination of Zn, Fe, Cr and Cu in marine fish commonly consumed in Senegal*, European Journal of Agriculture and Food Sciences,, 6(3), 123-128, **2023**.
- P. DUENAS RAMIREZ, C. LEE, R. FEDDERWITZ, A. REGINA CLAVIJO DE SOUZA, D. PIRES PORTO BARBOSA, M. JULLIOT, J. VAZ-RAMOS, D. BEGIN, S. LE CALVÉ, A. ZALOWSKI, P. CHOQUET, M. APARECIDA GODOY SOLER, D. MERTZ, P. KOFINAS, Y. PIAO, S. BEGIN-COLIN*, *Phosphate capture enhancement using designed iron oxide-based nanostructures*, Nanomaterials, 13 (3), 587, **2023**. DOI: 10.3390/nano13030587.

Publications de 2022 (n=14, moyenne = 7,0 par chercheur Eq. Temps Plein)

- D.A. DEVAULT, J.P. GUILLEMIN, M. MILLET, F. EYMERY, M. HULIN, M. MERLO, "Prosulfocarb at center stage!", *Environmental Science and Pollution Research*, 29, 61–67, **2022**.
- F. BAROUDI, J. AL-ALAM, S. CHIMJARN, K. HADDAD, Z. FAJLOUN, O. DELHOMME, M. MILLET, *The use of Helix aspersa and Pinus nigra as environmental biomonitors for the study of temporal air pollution variation in Northern Lebanon*, *International Journal of Environmental Research*, 16, ARTICLE N°4, **2022**.
- J. AL-ALAM, Z. FAJLOUN, M. MILLET, J.-M. SABATIER, A. CHBANI, *The use of Ulva lactuca seaweed for post harvesting control of Penicillium digitatum in citrus fruits*, *Arabian Journal of Medicinal and Aromatic Plants*, 8(1), 155-170, **2022**.
- C. PELOSI, C. BERTRAND, V. BRETAGNOLLE, M. COEURDASSIER, O. DELHOMME, M. DESCHAMPS, S. GABA, M. MILLET, S. NELIEU, C. FRITSCH, *Glyphosate, its metabolite AMPA and glufosinate in soils and earthworms from French arable landscapes*, *Chemosphere*, 301, 134672, **2022**.
- M. GALMICHE, A. RODRIGUES, E. MOTSCH, O. DELHOMME, Y.-N. FRANÇOIS, M. MILLET, *The use of pseudo-MRM for a sensitive and selective detection and quantification of Polycyclic Aromatic Compounds by Tandem Mass Spectrometry*, *Rapid Communication in mass spectrometry*, 36(13), e9307, **2022**, <https://doi.org/10.1002/rcm.9307>.
- C. T. DIONE, I. DIAGNE, M. NDIAYE, M. MILLET, C. DIEBAKATE, B. NDIAYE, *Determination of the chromium (VI) content in five species of fish from Soumbédioune beach (Dakar / Senegal)*, *Chemistry Africa*, 5, 1845-1850, **2022**, <https://doi.org/10.1007/s42250-022-00332-5>.
- J. AL-ALAM, M. MILLET, D. KHOURY, A. RODRIGUES, M. HARB, E. AKOURY, S. TOKAJIAN, M. WAZNE, *Snails as temporal biomonitors of the occurrence and distribution of pesticides in an apple orchard*, *Atmosphere*, 13, 1185., **2022**.
- C. T. DIONE, O. DELHOMME, M. NDIAYE, C. DIEBAKATE, I. DIAGNE, B. NDIAYE, D. CISSE, M. HANE, A. DIOP, M. MILLET, *Application of the QuEChERS method for the determination of pesticides, PAHs and PCBs in fish in Senegal*, *Journal of Environmental Science and Health, Part A*, 57(10), 869-879, **2022**.
- J. AL-ALAM, A. SONNETTE, L. Y. ALLEMAN, P. CODDEVILLE, M. MILLET, *Pesticides in the indoor environment of residential houses in Strasbourg: A case study*, *International Journal of Environmental Research and Public Health*, 19(21), Article n°14049, **2022**.
- F. RAMADZAN NURSANTO, J. VAZ-RAMOS, O. DELHOMME, S. BÉGIN, S. LE CALVÉ*, *Simultaneous monitoring of outdoor PAHs and particles in French peri-urban site during winter Saharan dust event*, *Atmosphere*, 13 (9), 1435, **2022**. DOI: 10.3390/atmos13091435.
- T. MOKALLED*, S. LE CALVÉ, N. BADARO-SALIBAA, M. ABOUD, R. ZAAOUR, W. FARAH, J. ADJIZIAN-GÉRARD, *Atmospheric Dispersion Modelling of Gaseous Emissions from Beirut—International Airport Activities*, *AIMS Environmental Science*, 9(5), 553-572 **2022**. DOI: 10.3934/environsci.2022033.
- A. GRANDJEAN*, D. BAZIN, F. AMIET, S. LE CALVÉ, *Comparison of two Analytical Systems for Continuous Monitoring of ppb to ppm-levels of Formaldehyde in Air*, *Chemical Engineering Transactions*, 95, 67-72, **2022**. DOI: 10.3303/CET2295012.
- A. BECKER, N. ISRAFILOV, E. EHRSTEIN, I. LARA-IBEAS, J.-M. PLANEIX, B. LOUIS, S. LE CALVÉ*, *Adsorption of gaseous formaldehyde on Y zeolites and on Metal-Organic Frameworks, Microporous and Mesoporous Materials*, 343, 112136, **2022**. DOI: 10.1016/j.micromeso.2022.112136.

A. BECKER, N. LOHMANN, C. SERRA, S. LE CALVÉ*, *Development of a Portable and Modular Gas Generator: Application to Formaldehyde Analysis*, Chemosensors, 10, 131, **2022**. DOI: 10.3390/chemosensors10040131.

Publications de 2021 (n=22, moyenne = 7,33 par chercheur Eq. Temps Plein)

- C. TROCQUET, I. LARA-LBEAS, A. SCHULZ, P. BERNHARDT, B. CORMERAIS, S. ENGLARO ET S. LE CALVE*, *Continuous C. Trocquet, I. Lara-lbeas, A. Schulz, P. Bernhardt, B. Cormerais, S. Englaro et S. Le Calvé*, Continuous aldehydes monitoring in primary schools in France: evaluation of emission sources and ventilation practices over 5 weeks*, Atmospheric Pollution Research, 12 (1), 340-351, **2021**. DOI: 10.1016/j.apr.2020.09.005.
- A. RODRIGUEZ-CUEVAS, R.D. BRANCHER, F. TOPIN, S. LE CALVÉ, I. GRAUR*, *Numerical simulation of the sorption phenomena during the transport of VOCs inside a capillary GC column*, Chemical Engineering Science, 224 (3), 116145, **2021**. DOI: 10.1016/j.ces.2021.116445.
- C. LIAUD, S. CHOUVENC, S. LE CALVÉ*, *Simultaneous monitoring of particle-bound PAHs inside a Low-Energy School Building and outdoors over two weeks in France*, Atmosphere, 12, 1, **2021**. DOI: 10.3390/atmos12010108.
- T. MOKALLED, J. ADJIZIAN GÉRARD, M. ABOUD, C. LIAUD, R. NASSREDDINE, S. LE CALVÉ, *An Assessment of Indoor Air Quality in the Arrivals Hall of Beirut-Rafic Hariri International Airport: Monitoring of VOCs and NO₂*, Atmosphere, 12 (3), 400, **2021**. DOI:10.3390/atmos12030400.
- S. KHAN, D. NEWPORT, S. LE CALVÉ*, *A Sensitive and Portable deep-UV Absorbance Detector with a Microliter Gas Cell Compatible with Micro GC*, Chemosensors, 9 (4), 63, **2021**. DOI: 10.3390/chemosensors9040063. (Selected by the editors as the issue cover: <https://www.mdpi.com/2227-9040/9>)
- V. FEIGENBRUGEL, S. LE CALVÉ*, *Temperature Dependence of Henry's Law Constants of Fenpropidin and Pyrimethanil: Impact on their Atmospheric Partitionings and Lifetimes*, Journal of Environmental Science and Public Health, 5 (1), 169-188, **2021**. DOI: 10.26502/jesph.96120124.
- F. NOËL, C. SERRA, C. TROCQUET, S. LE CALVE*. *Experimental validation of a novel generator of gas mixtures based on axial gas pulses micromixer*, Micromachines, 12, 715, **2021**. DOI: 10.3390/mi12060715.
- I. LARA-IBEAS, A. RODRIGUEZ-CUEVAS, S. LE CALVÉ*, *Recent developments and trends in miniaturized gas preconcentrators for portable VOC detection: a review*, Sensors and Actuators B, 346, 130449, **2021**. DOI: 10.1016/j.snb.2021.130449.
- M. HULIN, C. LEROUX, A. MATHIEU, A. GOUZY, A. BERTHET, A. BOIVIN, B. BONICELLI, C. CHUBILLEAU, A. HULIN, E. LEOZGARZIANDIA, L. MAMY, M. MILLET, P. PERNOT, E. QUIVET, A. L. SCELO, M. MERLO, B. RUELLE, C. BEDOS, *Monitoring of pesticides in ambient air: prioritization of substances*, Science of the Total Environment, 753, Article n°141722, **2021**, DOI :10.1016/j.scitotenv.2020.141722.
- M. GALMICHE, O. DELHOMME, Y.-N. FRANÇOIS, M. MILLET, *Environmental analysis of polar and non-polar Polycyclic Aromatic Compounds in airborne particulate matter, settled dust and soot:Part I: Sampling and sample preparation*, Trends in Analytical Chemistry (TrAC), 134, Article n° 116099, **2021**, DOI: 10.1016/j.trac.2020.116099.
- M. GALMICHE, O. DELHOMME, Y.-N. FRANÇOIS, M. MILLET, *Environmental analysis of polar and non-polar Polycyclic Aromatic Compounds in airborne particulate matter, settled dust and soot:Part II: Instrumental analysis and occurrence*, Trends in Analytical Chemistry (TrAC), 134, Article n° 116146, **2021**, DOI: 10.1016/j.trac.2020.116146.

- F. BAROUDI, J. AL-ALAM, O. DELHOMME, S. CHIMJARN, Z. FAJLOUN, M. MILLET, *The use of Pinus nigra as a biomonitor of air quality in Lebanon*, Environmental Science and Pollution Research, 28, 10283–10291, **2021**, DOI:10.1007/s11356-020-11954-y.
- S. CHIMJARN, O. DELHOMME, M. MILLET, *Temporal distribution and Gas/Particle partitioning of polycyclic aromatic hydrocarbons (PAHs) in the atmosphere of Strasbourg, France*, Atmosphere, 21, 337 (16pp), **2021**, DOI: 10.3390/atmos12030337.
- O. DELHOMME, A. HERNANDEZ, A. RODRIGUES, S. CHIMJARN, C. BERTRAND, M. BOURDAT-DESCHAMPS, CL. FRITSCH, C. PELOSI, S. NÉLIEU, M. MILLET, A method to assess glyphosate, glufosinate and aminomethylphosphonic acid (AMPA) in soil and earthworms. *Journal of Chromatography A*, (2021), 1651, Article n°462339. DOI:10.1016/j.chroma.2021.462339.
- A. SONNETTE, O. DELHOMME, L. Y. ALLEMAN, P. CODDEVILLE, M. MILLET, *A versatile method for the quantification of 100 SVOCs from various families. Application to indoor air, dust and bioaccessibility evaluation*, Microchemical journal, (2021), 169, Article n°106174. DOI:10.1016/j.microc.2021.106574.
- J. AL-ALAM, M. LÉVY, H. BA, C. PHAM-HUU, M. MILLET, *Fate of Pesticides in Strasbourg: An assessment of the persistence of several pesticides based on Silicon carbide foams*, Environmental Technology and Innovation, (2021), Article n°101876. DOI: 10.1016/j.eti.2021.101876.
- F. BAROUDI, J. AL-ALAM, O. DELHOMME, S. CHIMJARN, H. AL-GHECH, Z. FAJLOUN, M. MILLET, *Liquid-liquid based extraction for multiresidue determination of non-volatile pesticides in honey as environmental biomonitors*, Euro-Mediterranean Journal of Environmental Integration, (2021), 6, Article n°74. DOI: 10.1007/s41207-017-0034-9.
- Y. JABALI, A. IAALY, M. MILLET, *Environmental occurrence, spatial distribution and source identification of PAHs in surface and groundwater samples of Abou Ali River- North Lebanon*, Environmental Monitoring and Assessment, (2021), 193, Article n°714. DOI: 10.1007/s10661-021-09513-0.
- C.T. DIONE, B. NDIAYE, M. NDIAYE, CH. DIEBAKATE, M. MILLET, O. DELHOMME, I. DIAGNE, D. CISSE, M. HANE, A. DIOP, *Determination of Zn, Fe, Cr and Cu in marine fish commonly consumed in Senegal*, European Journal of Agriculture and Food Sciences, (2021), 6(3), 123-128. DOI: 10.24018/ejfood.2021.3.6.396.
- J. ZHAO, L. XIAO, Z. XIAO, J.V. MORGAN, G.R. OSINSKI, C.R. NEAL, S.P.S. GULICK, U. RILLER, P. CLAEYS, S. ZHAO, N.C. PRIEUR, A. NEMCHIM, S. YU, E. CHENOT, L. CHRISTESON, C.S. COCKELL, M.J.L. COOLEN, L. FERRIÈRE, C. GEBHARDT, K. GOTO, H. JONES, D. KRING, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. PICKERSGILL, M.H. POELCHAU, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA FUCUGAUCHI, M.T. WHALEN, A. WITTMANN, K.E. YAMAGUCHI. *Shock-deformed zircon from the Chicxulub impact crater and implications for cratering process*. *Geology*, 49, **2021**. <https://doi.org/10.1130/G48278.1>.
- S. GODERIS, H. SATO, L. FERRIÈRE, B. SCHMITZ, D. BURNEY, P. KASKES, J. VELLEKOOP, A. WITTMANN, T. SCHULZ, S.M. CHERNONOZHKIN, PH. CLAEYS, S.J. DE GRAAFF, T. DEHAIS, N.J. DE WINTER, M. ELFMAN, J-G. FEIGNON, A. ISHIKAWA, C. KOEBERL, P. KRISTIANSSON, C.R. NEAL, J.D. OWENS, M. SCHMIEDER, M. SINNESAEEL, F. VANHAECKE, S.J.M. VAN MALDEREN, T.L. BRALOWER, S.P.S.GULICK, D.A. KRING, C.M. LOWERY, J.V. MORGAN, J. SMIT, M.T. WHALEN, E. CHENOT, G.L. CHRISTESON, C.S. COCKELL, C. GEBHARDT, K.GOTO, S. GREEN, H. JONES, E. LE BER, J. LOFI, R. OCAMPO TORRES, L. PEREZ CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, A.S.P. RAE, C. RASMUSSEN, M. REBOLLEDO VIEYRA, U. RILLER, S.M. TIKOO, N. TOMIOKA, J. URRUTIA FUCUGAUCHI, L.XIAO, K.E. YAMAGUCHI. *Globally distributed iridium layer preserved within the Chicxulub impact structure*. *Science Advances*, 7, 9, **2021**. DOI: 10.1126/sciadv.abe3647
- A. WITTMANN, A.J. CAVOSIE, N.E. TIMMS, L. FERRIÈRE, A.S.P. RAE, C. RASMUSSEN, C. ROSS, D. STOCKLI, M. SCHMIEDER, D.A. KRING, J. ZHAO, L. XIAO, J.V. MORGAN, S.P.S. GULICK, T.L. BRALOWER, E. CHENOT, G.L. CRHISTESON, C.S. COCKELL, C. GEBHARDT, K. GOTO, S. GREEN, H.

JONES, E. LEBER, J. LOFI, C.M. LOWERY, R. OCAMPO TORRES, L. PEREZ CRUZ, A.E. PICKERSGILL, M. POELCHAU, M. REBOLLEDO VIEYRA, U. RILLER, H SATO, S.M. TIKOO, N. TOMIOKA, J. URRUTIA FUCUGAUCHI, M.T. WHALEN, K.E. YAMAGUCHI. *Shock impedance amplified impact deformation of zircon in granitic rocks from the Chicxulub impact crater*. Earth and Planetary Science Letters, 575, 117201, **2021**. DOI.org/10.1016/j.epsl.2021.117201

Publications de 2020 (n=23, moyenne = 7,66 par chercheur Eq. Temps Plein)

- S. KHAN, S. LE CALVÉ, D. NEWPORT, *A Review of Optical Interferometry Techniques for VOC Detection*, Sensors Actuators A Phys., 302, 111782, **2020**. DOI: 10.1016/j.sna.2019.111782.
- I. LARA-IBEAS, C. MEGÍAS-SAYAGO, A. RODRIGUEZ-CUEVAS, R. OCAMPO-TORRES, B. LOUIS, S. COLIN, S. LE CALVÉ*, *Adsorbent screening for airborne BTEX analysis and removal*, J. Environ. Chem. Engineering, 8 (2), 103563, **2020**. DOI: 10.1016/j.jece.2019.103563.
- D. MARIUTA, L. BALDAS, S. COLIN, S. LE CALVÉ, J. G. KORVINK AND J. J. BRANDNER, *Prototyping a Miniaturized Microfluidic Sensor for Real-Time Detection of Airborne Formaldehyde*, International Journal of Chemical Engineering and Applications, 11(1), 23-28, **2020**. DOI: 10.18178/ijcea.2020.11.1.774.
- C. MEGÍAS-SAYAGO, I. LARA-IBEAS, Q. WANG, S. LE CALVÉ ET B. LOUIS, *VOCs removal capacity of ZSM-5 zeolites: adsorbent design for near real-time BTEX detection*, ACS J. Environ. Chem. Engineering, 8 (2), 103724, **2020**. DOI: 10.1016/j.jece.2020.103724.
- I. LARA-IBEAS, C. MEGÍAS-SAYAGO, B. LOUIS, S. LE CALVÉ*, *Adsorptive removal of gaseous formaldehyde at realistic concentrations*, J. Environ. Chem. Engineering, 8 (4), 103986, **2020**. DOI: 10.1016/j.jece.2020.103986.
- D. MARIUTA, A. GOVINDARAJI, S. COLIN, C. BARROT-LATTES, S. LE CALVÉ, J. G. KORVINK, L. BALDAS, J. J. BRANDNER*, *Optofluidic sensing of airborne formaldehyde: towards on-chip integration*, Micromachines, 11, 673, **2020**. DOI: 10.3390/mi11070673.
- A. BECKER, C. ANDRIKOPOULOU, P. BERNHARDT, R. OCAMPO, C. TROCQUET, S. LE CALVÉ*, *On-line gaseous formaldehyde detection based on a closed-microfluidic-circuit analysis*, Chemosensors, 8 (3), 57, **2020**. DOI: 10.3390/chemosensors8030057.
- S. KHAN, D. NEWPORT, S. LE CALVÉ*. *Low-Volume PEEK Gas Cell for BTEX Detection using Portable Deep-UV Absorption Spectrophotometry*, Spectrochimica Acta part A, 243, 1-7, **2020**. DOI: 10.1016/j.saa.2020.118727.
- D. MARIUTA, S. COLIN, C. BARROT-LATTES, S. LE CALVÉ, J. G. KORVINK, L. BALDAS, J. J. BRANDNER*, *Miniaturization of fluorescence sensing in optofluidic devices*, Microfluidics and nanofluidics, 24 (65), 1-28, **2020**. DOI: 10.1007/s10404-020-02371-1.
- G. COELHO REZENDE, S. LE CALVÉ, J. BRANDNER, D. NEWPORT*, *Characterization of a modular microfluidic photoionization detector*, Sensors and Actuators B: Chemical, 324, 1-10, **2020**. DOI: 10.1016/j.snb.2020.128667.
- A. RODRÍGUEZ-CUEVAS, I. LARA-IBEAS, A. LEPRINCE, M. WOLF, S. LE CALVÉ. *Easy-to-manufacture micro gas preconcentrator integrated in a portable GC for enhanced trace detection of BTEX*, Sensors and Actuators B, 324, 128690, **2020**. DOI: 10.1016/j.snb.2020.128690.
- J. AL-ALAM, M. LÉVY, H. BA, C. PHAM-HUU, M. MILLET, *Passive air samplers based on ceramic adsorbent for monitoring of pesticides, polycyclic aromatic hydrocarbons and polychlorinated biphenyls in outdoor air*, Environmental Technology and Innovation, 20, Article n°101094, **2020**. DOI: 10.1016/j.eti.2020.101094.
- Y. JABALI, M. ELHOZ, M. MILLET, *Spatial and temporal distribution of 48 pesticides in the water resources of the basin of Abou Ali River- Northern Lebanon*, Environmental Science and Pollution Research, , 27, 17997–18012, **2020**. DOI: 10.1007/s11356-020-08089-5.

- F. BAROUDI, J. AL-ALAM S. CHIMJARN, O. DELHOMME, Z. FAJLOUN, M. MILLET, *Conifers as environmental biomonitors: a multi-residue method for the concomitant quantification of 134 pesticides, 16 PAHs and 22 PCBs by LC-MS/MS and GC-MS/MS*, *Microchemical Journal*, 154, Article n° 104593, **2020**. DOI: 10.1016/j.microc.2019.104593.
- F. BAROUDI, J. AL-ALAM Z. FAJLOUN, M. MILLET, *Snails as tools for the biomonitoring of environmental pollution; A Review*, *Ecological Indicators*, 113, Article n° 106240, **2020**. DOI: 10.1016/j.ecolind.2020.106240.
- M. LÉVY, O. DELHOMME, J. AL-ALAM, M. MILLET, *An integrated method coupling Accelerated Solvent Extraction (ASE), Solid-Phase Extraction (SPE) and Solid-Phase Micro Extraction for the quantification by GC and LC-MSMS of diverse pollutants (Pesticides, PAHs, PCBs), in air*, *Microchemical Journal*, 157, Article n° 104889, **2020**. DOI: 10.1016/j.microc.2020.104889.
- J. AL ALAM, F. BAROUDI, A. CHBANI, Z. FAJLOUN, M. MILLET, *A multi-residue method for pesticides, PAHs and PCBs analysis in snails used as environmental biomonitors*, *Journal of Chromatography A*, 1621, Article n°461006, **2020**.DOI: 10.1016/j.chroma.2020.461006.
- M. LÉVY, H. BA, C. PALLARES, C. PHAM-HUU, M. MILLET, *Comparison and calibration of diverse passive samplers used for the air sampling of pesticides during a regional sampling monitoring campaign*, *Atmospheric Pollution Research*, 11, 1217-1225, **2020**. DOI: 10.1016/j.apr.2020.03.014.
- D.A. DAVALT, J.P. GUILLEMIN, M. MILLET, F. EYMERY, M. HULIN, M. MERLO, *Prosulfocarb at center stage!*, *Environmental Science and Pollution Research*, **2019**. DOI: 10.1007/s11356-019-06928-8.
- M.A. COX, T.M. ERICKSON, M. SCHMIEDER, R. CHRISYOFFERSEN, D.K. ROSS, A.J. CAVOSIE, P.A. BLAND, D.A. KRING, S.P.S. GULICK, J.V. MORGAN, , T. J. BRALOWER, E. CHENOT, G.L. CHRISTESON, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, L. FERRIÈRE, C. GEBHARDT, K. GOTO, S.L. GREEN, H. JONES, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, A.S.P. RAE, C. RASMUSSEN, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M.T. WHALEN, A. WITTMANN, L. XIAO, K.E. YAMAGUCHI. *High-resolution microstructural and compositional analyses of shock deformed apatite from the peak ring of the Chicxulub impact crater*. *Meteoritics & Planetary Science* 55, 8, 1715-1733, **2020**. DOI: 10.1111/maps.13541.
- M.T. WHALEN, S.P.S. GULICK, C.M. LOWERY, T. J. BRALOWER, J.V. MORGAN, K. GRICE, B. SCHAEFER, J. SMIT, J. ORMÖ, A. WITTMANN, D.A. KRING, S. LYONS, S. GODERIS, E. CHENOT, G.L. CHRISTESON, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, L. FERRIÈRE, C. GEBHARDT, K. GOTO, S.L. GREEN, H. JONES, J. LOFI, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, A.S.P. RAE, C. RASMUSSEN, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, L. XIAO, K.E. YAMAGUCHI. *Winding down the Chicxulub impact: the transition between impact and normal marine sedimentation near ground zero*. *Marine Geology*, 430, 106368, **2020**. DOI: 10.1016/j.margeo.2020.106368.
- D.A. KRING, S.M. TIKOO, M. SCHMIEDER, U. RILLER, M. REBOLLEDO-VIEYRA, S.L. SIMPSON, G.R. OSINSKI, J.GATTACCECA, A. WITTMANN, C.M. VERHAGEN, C.S. COCKELL, M.J.L. COOLEN, F.J. LONGSTAFFE, S.P.S. GULICK, J.V. MORGAN, T.J. BRALOWER, E. CHENOT, G.L. CHRISTESON, P. CLAEYS, L. FERRIÈRE, C. GEBHARDT, K. GOTO, S.L. GREEN, H. JONES, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, A.S.P. RAE, C. RASMUSSEN, H. SATO, J. SMIT, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M.T. WHALEN, L. XIAO, K.E. YAMAGUCHI, *Probing the hydrothermal system of the Chicxulub impact crater*, *Sci. Adv.*, 6, 3053, **2020**. DOI: 10.1126/sciadv.aaz3053.
- J. ZHAO, L. XIAO, S.P.S. GULICK, J.V. MORGAN, D. KRING, J. URRUTIA-FUCUGAUCHI, M. SCHMIEDER, S.J. DE GRAAFF, A. WITTMANN, C. H. ROSS, P. CLAEYS, A. PICKERSGILL, P. KASKES, S. GODERIS, C. RASMUSSEN, V. VAJDA, L. FERRIÈRE, J.G. FEIGNON, E. CHENOT, L. PEREZ-CRUZ, H. SATO, K.E. YAMAGUCHI, L. CHRISTESON, E. CHENOT, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, C. GEBHARDT, K. GOTO, H. JONES, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, M.H. POELCHAU, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, M.T. WHALEN. *Geochemistry*,

geochronology and petrogenesis of Maya Block granitoid sand dykes from the Chicxulub Impact Crater, Gulf of México: Implications for the assembly of Pangea, *Gondwana Research*, 82, 128–150, **2020**. DOI: 10.1016/j.gr.2019.12.003.

G.S. COLLINS, N. PATEL, T.M. DAVISON, A.S.P. RAE, J.V. MORGAN, S.P.S. GULICK, G. L. CHRISTESON, E. CHENOT, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, L. FERRIÈRE, C. GEBHARDT, K. GOTO, H. JONES, D.A. KRING, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M.T. WHALEN, A. WITTMANN, L. XIAO, K.E. YAMAGUCHI. *A steeply-inclined trajectory for the Chicxulub Impact*. *Nature communications*, 11, 1480, **2020**. DOI: 10.1038/s41467-020-15269-x.

Publications de 2019 (n=22, moyenne = 7,33 par chercheur Eq. Temps Plein)

T. MOKALLED, J. ADJIZIAN-GERARD, M. ABOUD, C. TROCQUET, R. NASREDDINE, V. PERSON, S. LE CALVE, *VOC tracers from Aircraft Activities at Beirut Rafic Hariri International Airport*, *Atmospheric Pollution Research*, 10, 537-553, **2019**. DOI: 10.1016/j.apr.2018.09.009.

T. MOKALLED, J. ADJIZIAN GÉRARD, M. ABOUD, C. LIAUD, R. NASSREDDINE, S. LE CALVÉ, *An Assessment of Indoor Air Quality in the Maintenance Room at Beirut-Rafic Hariri International Airport*, *Atmospheric Pollution Research*, 10, 701-711, **2019**. DOI: 10.1016/j.apr.2018.11.008

G. COELHO REZENDE, S. LE CALVÉ, J. BRANDNER, D. NEWPORT, *Micro Photoionization detectors*, *Sensors and Actuators B: Chemical*, 287, 86-94, **2019**. DOI: 10.1016/j.snb.2019.01.072.

S. KHAN, D. NEWPORT, S. LE CALVÉ, *Development of a Toluene Detector Based on Deep UV Absorption Spectrophotometry Using Glass and Aluminum Capillary Tube Gas Cells with a LED Source*, *Micromachines*, 10 (3), 193, **2019**. DOI: 10.3390/mi10030193.

I. LARA-LBEAS, A. RODRÍGUEZ-CUEVAS, C. ANDRIKOPOULOU, V. PERSON, L. BALDAS, S. COLIN, S. LE CALVÉ. *Sub-ppb Level Detection of BTEX Gaseous Mixtures with a Compact Prototype GC Equipped with a Preconcentration Unit*, *Micromachines*, 10 (3), 187, **2019**. DOI: 10.3390/mi10030187.

F. NOËL, C. SERRA, S. LE CALVÉ. *Design of a novel axial gas pulses micromixer and simulations of its mixing abilities via computational fluid dynamics*, *Micromachines*, 10 (3), 205, **2019**. DOI: 10.3390/mi10030205.

G. C. REZENDE, S. LE CALVÉ, J. J. BRANDNER AND D. NEWPORT, *Micro Milled Microfluidic Photoionization Detector for Volatile Organic Compounds*, *Micromachines*, 10 (4), 228, **2019**. DOI: 10.3390/mi10040228.

S. KHAN, D. NEWPORT, S. LE CALVÉ*, *Gas Detection Using Portable Deep-UV Absorption Spectrophotometry: A Review*, *Sensors*, 19(23), 5210, **2019**. DOI: 10.3390/s19235210.

A. BECKER, C. ANDRIKOPOULOU, P. BERNHARDT, R. OCAMPO, C. TROCQUET, S. LE CALVÉ*, *On-line gaseous formaldehyde detection by a microfluidic analytical method based on passive uptake through a microporous tube*, *Micromachines*, 10(12), 807, **2019**. DOI: 10.3390/mi10120807.

C. TROCQUET, P. BERNHARDT, M. GUGLIELMINO, I. MALANDAIN, C. LIAUD, S. ENGLARO, S. LE CALVÉ*, *Near Real-Time Monitoring of Formaldehyde in a Low-Energy School Building*, *Atmosphere*, 10(12), 763, **2019**. DOI: 10.3390/atmos10120763.

J. AL-ALAM, Z. FAJLOUN, A. CHBANI, M. MILLET, *The use of vegetation, bees, and snails as important tools for the biomonitoring of atmospheric pollution—a review*, *Environmental Science and Pollution Research*, 26, 9391–9408, **2019**. DOI: 10.1007/s11356-019-04388-8.

R. BÉRANGER, E. BILLOIR, J.R. NUCKOLS, J. BLAIN, M. MILLET, M.-L. BAYLE, B. COMBOURIEU, TH. PHILIP, J. SCHÜZ, B. FERVERS, *Agricultural and domestic pesticides in house dust from different agricultural areas in France*, *Environmental Science and Pollution Research*, 26, 19632–19645, **2019**. DOI: 10.1007/s11356-019-05313-9.

- J. AL-ALAM, Z. FAJLOUN, A. CHBANI, M. MILLET, *Determination of 16 PAHs and 22 PCBs in honey samples originated from different region of Lebanon and used as environmental biomonitors sentinel*, Journal of Environmental Science and Health, Part A, 54(1), 9-15, **2019**. DOI: 10.1080/10934529.2018.1500782.
- Y. JABALI, M. ELHOZ, M. MILLET, *Determination of 48 pesticides in water by using DI-SPME coupled to GC/MS*, Microchemical Journal, 147, 83-92, **2019**. DOI: 10.1016/j.microc.2019.03.004.
- M. MILLET, Chapter 10 : sampling and analysis of pesticides in the atmosphere (pp 301-328). *Analysis of pesticides in food and environmental samples*. J.L. Tadeo Ed., CRC press (**2019**), ISBN: 978-1-138-48603-4. DOI: 10.1201/9781351047081.
- D.A. DAVALT, J.P. GUILLEMIN, M. MILLET, F. EYMERY, M. HULIN, M. MERLO, *Prosulfocarb at center stage!*, *Environmental Science and Pollution Research*, **2019**. DOI: 10.1007/s11356-019-06928-8.
- S.P.S. GULICK, T.J. BRALOWER, J.O.B. HALL, K. GRICE, B. SCHAEFFER, S. LYONS, K.H. FREEMAN, J.V. MORGAN, N. ARTEMIEVA, P. KASKES, S.J. DE GRAAFF, M.T. WHALEN, G.S. COLLINS, S.M. TIKOO, C. VERHAGEN, G.L. CHRISTESON, P. CLAEYS, M.J.L. COOLEN, S. GODERIS, K. GOTO, R.A.F. GRIEVE, N. MCCALL, G.R. OSINSKI, A.S.P. RAE, U. RILLER, J. SMIT, V. VAJDA, A. WITTMANN, , E. CHENOT, C.S. COCKELL, L. FERRIERE, C. GEBHARDT, S.L. GREEN, H. JONES, D.A. KRING, E. LEBER, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M.H. POELCHAU, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, D. SCHMITT, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, L. XIAO, K.E. YAMAGUCHI. *The first day of the Cenozoic*. PNAS, 116, 39, 19342-19351, **2019**. DOI: 10.1073/pnas.1909479116.
- C. RASMUSSEN, D.F. STOCKLIA, C.H. ROSSA, A. PICKERSGILL, S.P. GULICK, M. SCHMIEDER, G.L. CHRISTESON, A. WITTMANN, D.A. KRING, J.V. MORGAN, C. M. LOWERY, E. CHENOT, P. CLAEYS, C. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, S. GREEN, H. JONES, J. LOFI, R. OCAMPO-TORRES, L. PEREZ-CRUZ, M. H. POELCHAU, A. S. P. RAE, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. WHALEN, L. XIAO, K.E. YAMAGUCHI. *U-Pb memory behavior in Chicxulub's peak ring – Applying U-Pb depth profiling to shocked zircon*. Chemical Geology, 525, 356–367, **2019**. DOI: 10.1016/j.chemgeo.2019.07.029.
- C. M. LOWERY, J. V. MORGAN, S. P. S. GULICK, T. J. BRALOWER, G. L. CHRISTESON, E. CHENOT, P. CLAEYS, C. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, S. GREEN, H. JONES, D. A. KRING, J. LOFI, C. MELLETT, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. PICKERSGILL, M. H. POELCHAU, A. S. P. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. WHALEN, A. WITTMANN, L. XIAO, K.E. YAMAGUCHI, *Ocean drilling perspectives on meteorite impacts*, Oceanography, (32)1, 120-134, **2019**. DOI: 10.5670/oceanog.2019.133.
- J. URRUTIA-FUCUGAUCHI, L. PEREZ-CRUZ, J. MORGAN, S. GULICK, A. WITTMANN, J. LOFI, E. CHENOT, G. CHRISTESON, P. CLAEYS, C. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, H. JONES, D.A. KRING, C. LOWERY, C. MELLETT, R. OCAMPO-TORRES, A. PICKERSGILL, M. POELCHAU, A. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S. TIKOO-SHANTZ, N. TOMIOKA, M. WHALEN, L. XIAO, K.E. YAMAGUCHI, T. BRALOWER, G.S. COLLINS, *Peering inside the peak ring of the Chicxulub impact crater-its nature and formation mechanism*, Geology Today 35 (2), 68-72, **2019**. DOI: 10.1111/gto.12261.
- A.S.P. RAE, G.S. COLLINS, M.H. POELCHAU, U. RILLER, T.M. DAVISON, R.A.F. GRIEVE, G.R. OSINSKI, J.V. MORGAN, E. CHENOT, G.L. CHRISTESON, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, S.P.S. GULICK, H. JONES, D.A. KRING, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M.T. WHALEN, A. WITTMANN, L. XIAO, K.E. YAMAGUCHI, *Stress-strain evolution during peak-ring formation: A case study of the Chicxulub*

Impact Structure, The Journal of Geophysical Research Planets. Wiley-Blackwell, 124 (2), 396-417, **2019**. DOI: 10.1029/2018JE005821.

- N.E. TIMMS, M.A. PEARCE, T.M. ERICKSON, A.J. CAVOSIE, A.S.P. RAE, J. WHEELER, A. WITTMANN, L. FERRIERE, M.H. POELCHAU, N. TOMIOKA, G.S. COLLINS, S.P.S. GULICK, C. RASMUSSEN, J.V. MORGAN, E. CHENOT, G.L. CHRISTESON, P. CLAEYS, C.S. COCKELL, M.J.L. COOLEN, C. GEBHARDT, K. GOTO, S. GREEN, H. JONES, D.A. KRING, J. LOFI, C.M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A.E. PICKERSGILL, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S.M. TIKOO, J. URRUTIA-FUCUGAUCHI, M.T. WHALEN, L. XIAO, K.E. YAMAGUCHI. *New shock microstructures in titanite (CaTiSiO₅) from the peak ring of the Chicxulub impact structure, Mexico*, Contrib. Mineral Petrol, 174, 38, **2019**. DOI: 10.1007/s00410-019-1565-7.

Publications de 2018 (n=16, moyenne = 5,33 par chercheur Eq. Temps Plein)

- T. MOKALLED, S. LE CALVÉ, N. BADARO-SALIBAA, M. ABBOUD, R. ZAAROURA, W. FARAH, J. ADJIZIAN-GÉRARD, *Identifying the impact of Beirut Airport activities on local air quality - Part I: Emissions inventory of NO₂ and VOC*, Atmos. Envir., 187, 435-444, **2018**. DOI: 10.1016/j.atmosenv.2018.04.036.
- I. LARA-LBEAS, C. TROCQUET, R. NASREDDINE, C. ANDRIKOPOULOU, V. PERSON, B. CORMERAIS, S. ENGLARO, S. LE CALVÉ, *BTEX near real-time monitoring in two primary schools in La Rochelle, France*, Air Quality, Atmosphere & Health, 11, 1091-1107, **2018**. DOI: 10.1007/s11869-018-0611-3.
- A. ALLOUCH*, M. GUGLIELMINO, CH. A. SERRA, S. LE CALVÉ, *Optofluidic fluorescence cell, for the detection of low concentration toxic gases*, Sensors and Actuators B: Chemical, 255, 3441-3346, **2018**. DOI: 10.1016/j.snb.2017.09.174.
- I. LARA-IBEAS, C. ANDRIKOPOULOU, V. PERSON, A. SHARIFI, D. VALOUGEORGIS, S. COLIN, S. LE CALVÉ, *Conception and development of microfabricated elements for microfluidic analytical devices*, Multidisciplinary Digital Publishing Institute Proceedings, 8, 841, **2018**. DOI:10.3390/proceedings1080841.
- S. LE CALVÉ, C. TROCQUET, P. BERNHARDT, *A Novel Microfluidic Formaldehyde Microanalyser for Continuous Real-Time Monitoring in Indoor Air: Analytical Development and Validation*, Multidisciplinary Digital Publishing Institute Proceedings, 8, 740, **2018**. DOI:10.3390/proceedings1080740.
- V. LUCAIRE, J.-J. SCHWARTZ, O. DELHOMME, R. OCAMPO-TORRES, M. MILLET, *A sensitive method using SPME pre-concentration for the quantification of aromatic amines in indoor air*, Analytical and Bioanalytical Chemistry, 410(7), 1955-1963, **2018**.
- H. TOUMI, M. BOUMAIZA, M. MILLET, CL. M. RADETSKI, B. I. CAMARA, V. FELTEN, J.-F. MASFARAUD, J.-F. FÉRARD, *Binary mixtures ecotoxicity of malathion and deltamethrin to Daphnia magna (Crustacea, Cladocera)*, Environmental Science and Pollution Research, 25, 17781-17788, **2018**.
- Y. SAMIR JABALY, M. EL-HOZ, M. MILLET, *Optimization of a gas chromatography-Ion Trap Tandem mass spectrometry (GC-ITMS/MS) method for the determination of 16 Polycyclic Aromatic Hydrocarbons (PAHs) in water by solid-phase microextraction*, Euro-Mediterranean Journal for Environmental Integration, 3, Article 24, **2018**.
- M. LÉVY, J. AL-ALAM, C. RIDACKER, S. MASSEMIN, M. MILLET, *The use of XAD[®]-2 passive air samplers for monitoring environmental trends of PAHs, PCBs and pesticides in three different sites in Strasbourg and its vicinity (east of France)*, Atmospheric Environment, 195, 12-23, **2018**.
- J. AL-ALAM, Z. FAJLOUN, A. CHBANI, M. MILLET, *Determination of 16 PAHs and 22 PCBs in honey samples originated from different region of Lebanon and used as environmental biomonitors sentinel*, Journal of Environmental Science and Health, Part A, 10, 1-7, **2018**.

- G. L. CHRISTESON, S. P. S. GULICK, J. V. MORGAN, C. GEBHARDT, D. A. KRING, E. LE BER, J. LOFI, C. NIXON, M. H. POELCHAU, A. S. P. RAE, M. REBOLLEDO-VIEYRA, U. RILLER, D. R. SCHMITT, A. WITTMANN, T. J. BRALOWER, E. CHENOT, P. CLAEYS, C. S. COCKELL, M. J. L. COOLEN, L. FERRIERE, S. GREEN, K. GOTO, H. JONES, C. M. LOWERY, C. MELLETT, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, C. RASMUSSEN, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. T. WHALEN, L. XIAO, AND K. E. YAMAGUCHI, *Extraordinary rocks from the peak ring of the Chicxulub impact crater: P-wave velocity, density and porosity measurements from IODP/ICDP expedition 364*, Earth and Planetary Science Letters, 495,1-11, **2018**. DOI: 10.1016/j.epsl.2018.05.013.
- V. VARGAS, J. CASTILLO, R. OCAMPO-TORRES, CH-P. LIENNEMAN, B. BROUSIERE, *Surface modification of SiO₂ nanoparticles to increase asphaltene adsorption*, Petroleum Science and Technology 36 (8), 618-624, **2018**. DOI: 10.1080/10916466.2018.1440300.
- C.M. LOWERY, T.J. BRALOWER, J.D. OWENS, F.J. RODRIGUEZ-TOVAR, H. JONES, J. SMIT, M.T. WHALEN, P. CLAEYS, K. FARLEY, S.P.S. GULICK, J.V. MORGAN, S. GREEN, E. CHENOT, G.L. CHRISTESON, C.S. COCKELL, M.J.L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, D. A. KRING, J. LOFI, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, M. H. POELCHAU, A. S. P. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, S. M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, J. VELLEKOOP, A. WITTMANN, L. XIAO, K. E. YAMAGUCHI, AND W. ZYLBERMAN, *Rapid recovery of life at ground zero of the end-Cretaceous mass extinction*, Nature, 558, 288-291, **2018**. DOI: 10.1038/s41586-018-0163-6.
- U. RILLER, M. H. POELCHAU, A. S. P. RAE, F. M. SCHULTE, G. S. COLLINS, H. J. MELOSH, J. V. MORGAN, S. P. S. GULICK, J. LOFI, A. DIAW, N. MCCALL, D. A. KRING, S. GREEN, E. CHENOT, G. L. CHRISTESON, P. CLAEYS, C. S. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, H. JONES, L. XIAO, C. M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, M. T. WHALEN, A. WITTMANN, J. URRUTIA-FUCUGAUCHI, J. VELLEKOOP, AND T. J. BRALOWER, *Rock fluidization during peak-ring formation of large impact structures*, Nature, 562, 511-518, **2018**. DOI: 10.1038/s41586-018-0607-z.
- J. LOFI, D. SMITH, C. DELAHUNTY, E. LE BER, L. BRUN, G. HENRY, J. PARIS, S. TIKOO, W. ZYLBERMAN, P. A. PEZARD, B. CELERIER, D. R. SCHMITT, C. NIXON, S. P. S. GULICK, J. V. MORGAN, E. CHENOT, G. L. CHRISTESON, P. CLAEYS, C. S. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, S. GREEN, H. JONES, D. A. KRING, C.M. LOWERY, C. MELLETT, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, M. POELCHAU, A. S. P. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. T. WHALEN, A. WITTMANN, L. XIAO, K. E. YAMAGUCHI, T. J. BRALOWER, *Drilling-induced and logging-related features illustrated from IODP Expedition 364 downhole logs and borehole imaging tools*, Scientific Drilling, 24,1-13, **2018**. DOI: 10.5194/sd-24-1-2018.
- U. RILLER, M. H. POELCHAU, A. S. P. RAE, F. M. SCHULTE, G. S. COLLINS, H. J. MELOSH, J. V. MORGAN, S. P. S. GULICK, J. LOFI, A. DIAW, N. MCCALL, D. A. KRING, S. GREEN, E. CHENOT, G. L. CHRISTESON, P. CLAEYS, C. S. COCKELL, M. J. L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, H. JONES, L. XIAO, C. M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, M. T. WHALEN, A. WITTMANN, J. URRUTIA-FUCUGAUCHI, J. VELLEKOOP, AND T. J. BRALOWER, *Erratum to: Rock fluidization during peak-ring formation of large impact structures*, Nature, 564, E26, **2018**. DOI: 10.1038/s41586-018-0748-0.

- M. GUGLIELMINO A. ALLOUCH, CH. A. SERRA, S. LE CALVÉ, *Development of microfluidic analytical method for on-line gaseous formaldehyde detection*, Sensors and Actuators B Chemical, 243, 963–970, **2017**. <http://dx.doi.org/10.1016/j.snb.2016.11.093>.
- M. GUGLIELMINO, C. TROCQUET, CH. A. SERRA, S. LE CALVÉ, *On-line gaseous Formaldehyde detection by a microfluidic analytical method based on simultaneous uptake and derivatization in a temperature controlled annular flow*, Talanta, 72, 102-108, **2017**. doi:10.1016/j.talanta.2017.05.038.
- J. AL-ALAM, Z. FAJLOUN, A. CHBANI , M. MILLET, *The use of conifers needles as biomonitors candidates for the study of temporal air pollution variation in Strasbourg region*, Chemosphere, 168, 1411-1421, **2017**.
- J. AL-ALAM, L. BOM, Z. FAJLOUN, A. CHBANI , M. MILLET, *Coupling HPLC with UV detection and Flame Atomic Absorption Spectroscopy for the analysis and identification of dithiocarbamates fungicides in vegetable matrices*, Journal of Chromatographic Science, 55 (4): 429-435, **2017**.
- A.X.R. CORRÊA, R.C. TESTOLIN, M.M. TORRES, S. COTELLE, J.-J. SCHWARTZ, M. MILLET, C.M. RADETSKI, *Ecotoxicity assessment of particulate matter emitted from heavy-duty diesel-powered vehicles: is the pH of the leaching process important to represent environmental leaching conditions?*, Environmental Science and Pollution Research, 24(10), 9399-9406, **2017**.
- C. LIAUD, J.-J. SCHWARTZ, R. OCAMPO, O. DELHOMME, M. MILLET, *Temporal variations of atmospheric PAHs in an urban area (Strasbourg, France) by using long duration High-Volume sampling*, Polycyclic Aromatic Compounds, 37 (2-3), 122-127, **2017**.
- A. SONNETTE, M. MILLET, R. OCAMPO, L. ALLEMAN, P. CODDEVILLE, *Tenax-TA spiking approach of thermal desorption coupled to GC-MSMS for the quantification of PAHs in indoor air and dust*, Polycyclic Aromatic Compounds, 37 (2-3), 170-177, **2017**.
- M. LÉVY, E. FOURNIER, Y. HEYRICH, M. MILLET, *Coupling ASE, SPE and SPME for the extraction and quantification of PAH in passive samplers and biological materials (pine needles)*, Polycyclic Aromatic Compounds, 37 (2-3), 178-188, **2017**.
- C. LIAUD, J.-J. SCHWARTZ, M. MILLET, *Comparison of atmospheric concentrations of current-used pesticides and lindane between urban and rural areas during intensive application period in Alsace (France) by using XAD-2® based passive samplers*, Journal of Environmental Science and Health, Part B, 52(7), 458-465, **2017**.
- J. AL-ALAM, Z. FAJLOUN, A. CHBANI , M. MILLET, *A multi-residue method for the analysis of 90 pesticides, 16 PAHs and 22 PCBs in honey using QuEChERS-SPME*, Analytical and Bioanalytical Chemistry, 409, 5157-5169, **2017**.
- J. GASPERI, C. SEBASTIAN, V. RUBAN, M. DELAMAIN, S. PERCOT, L. WIEST, C. MIRANDE, E. CAUPOS, D. DEMARE, M. DIALLO KESSO, M. SAAD, J.J. SCHWARTZ, P. DUBOIS, C. FRATTA, H. WOLFF, R. MOILLERON, G. CHEBBO, C. CREN, M. MILLET, S. BARRAUD, M.-C. GROMAIRE, *Contamination des eaux pluviales par les micropolluants : avancées du projet INOGEV (Micropollutant in stormwater: findings of the Inogevresearch program)*, Techniques, Sciences Méthodes (TSM), 7-8, 51–70, 2017.
- J. AL-ALAM, Z. FAJLOUN, A. CHBANI , M. MILLET, *The use of honey as environmental biomonitor of pesticides contamination in Lebanon*, Euro-Mediterranean Journal for Environmental Integration, 2, Article 23 (pp. 2-7), **2017**.
- M. LEFRANCO, S. PAYRAUDEAU, B. GUYOT, M. MILLET, G. IMFELD, *Degradation and transport of the chiral herbicide S-metolachlor at the catchment scale: combining observation scales and analytical approaches*, Environmental science and Technology, 51 (22), 13231–13240, **2017**.
- V. VARGAS, J. CASTILLO, R. OCAMPO TORRES, B. BROUSSIERE, CH-PH. LIENNEMAN, *Development of a chromatographic methodology for the separation and quantification of V, Ni and S compounds in petroleum products*, Fuel Processing Technology, 162, 37-44, **2017**. DOI: 10.1016/j.fuproc.2017.03.27.

- N. ARTEMIEVA, J. MORGAN, S. P. S. GULICK, E. CHENOT, G. L. CHRISTESON, P. CLAEYS, C. S. COCKELL, M. J. L. COOLEN, L. FERRIÈRE, C. GEBHARDT, K. GOTO, S. GREEN, H. JONES, D. A. KRING, J. LOFI, C. M. LOWERY, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. E. PICKERSGILL, M. POELCHAU, A. S. P. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S. M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. T. WHALEN, A. WITTMANN, L. XIAO, K. E. YAMAGUCHI, W. ZYLBERMAN, G. S. COLLINS AND T. J. BRALOWER, *Quantifying the release of climate-active gases by large meteorite with a case study of Chicxulub*, *Geophysical Research Letters*, 44, 10180-10188, **2017**. DOI: 10.1002/2017GL074879.
- D.A. KRING, PH. CLAEYS, S.P.S. GULICK, J.V. MORGAN, G.S. COLLINS, T. BRALOWER, E. CHENOT, G. CHRISTESON, C. COCKELL, M.J.L. COOLEN, L. FERRIERE, C. GENHARDT, K. GOTO, H. JONES, J. LOFI, C. LOWERY, C. MELLETT, R. OCAMPO-TORRES, L. PEREZ-CRUZ, A. PICKERSGILL, M. PÖELCHAU, A. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, J. SMIT, S.M. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. WHALEN, A. WITTMANN, L. XIAO, K.E. YAMAGUCHI, W. ZYLBERMAN, *Chicxulub and the exploration of large peak-ring impact craters thorough scientific drilling*, *GSA Today* 27 (10), 4-8, **2017**. DOI: 10.1130/GSATG352A.1.
-

Publications de 2016 (n=14, moyenne = 4,66 par chercheur Eq. Temps Plein)

- R. NASREDDINE, V. PERSON, C. SERRA, S. LE CALVÉ*, *Development of a novel portable miniaturized GC for near real-time low-level detection of BTEX*, *Sensors and Actuators B Chemical*, 224, 159-169, **2016**.
- R. NASREDDINE, V. PERSON, C. SERRA, C. SCHOEMAECER, S. LE CALVÉ*, *Portable novel micro-device for BTEX real-time monitoring: assessment during a field campaign in a low consumption energy junior high school classroom*, *Atmos. Envir.*, 126, 211-217, **2016**.
- M. RIZK, M. VERRIELE, S. DUSANTER, C. SCHOEMAECER, S. LE CALVÉ, N. LOCOGE*, *Fast sorption measurements of volatile organic compounds on building materials: Part 1 - Methodology developed for field applications*, *Building and Environment*, 99, 200–209, **2016**.
- M. RIZK, M. VERRIELE, S. DUSANTER, C. SCHOEMAECER, S. LE CALVÉ, N. LOCOGE*, *Fast Sorption Measurements of VOCs on Building Materials: Part 2 - Comparison between FLEC and CLIMPAQ Methods*, *Building and Environment*, 99, 239–251, **2016**.
- M. RIZK, M. VERRIELE, M. MENDEZ, N. BLOND, S. DUSANTER, C. SCHOEMAECER, P. BLONDEAU, S. LE CALVÉ, N. LOCOGE*, *Data on comparison between FLEC and CLIMPAQ methods used for fast sorption measurements of VOCs on building materials*, *Data in Brief* 7(C), **2016**.
- H. FATHALLAH, V. LECUIRE, E. RONDEAU, S. LE CALVÉ, *Smart Badge for Monitoring Formaldehyde Exposure Concentration*, In book: *Sustainable Ecological Engineering Design*, pp.111-123, **2016**.
- E. MAILLARD, J. LANGE, S. SCHREIBER, J. DOLLINGER, B. HERBSTTRITT, M. MILLET, G. IMFELD, *Dissipation of hydrological tracers and the herbicide S-metolachlor in batch and continuous-flow wetlands*, *Chemosphere*, 144, 2489-2496, **2016**.
- C. RAEPEL, G. SALQUEBRE, M. MILLET, B.M.R. APPENZELLER, *Comparison of hair pesticides contamination of inhabitants from contrasted homes*, *Science Total Environment*, 544, 845-852, **2016**.
- A. LOPEZ, M. MILLET, CL. COSCOLLA, V. YUSA, *Retrospective screening of pesticide metabolites in ambient air using liquid chromatography coupled to high-resolution mass spectrometry*, *Talanta*, 150, .27-36, **2016**.
- A. X. R. CORRÊA, S. COTELLE, M. MILLET, C. A. SOMENSI, TH. M. WAGNER, C. M. RADETSKI, *Genotoxicity assessment of particulate matter emitted from heavy-duty diesel-powered vehicles using in vivo Vicia faba micronucleus test*, *Ecotoxicology and Environmental Safety*, 127, 199-204, **2016**.

- H. MOKBEL, E. JAMAL AL DINE, A. ELMOLL, C. LIAUD, M. MILLET, *Simultaneous analysis of organochlorine pesticides and polychlorobiphenyls in air samples by using Accelerated Solvent Extraction (ASE) and Solid Phase Micro-Extraction (SPME) coupled to gas chromatography dual electron capture detection*, Environmental Science and Pollution Research, 23, 8053-8063, **2016**.
- S. PERCOT, V. RUBAN, P. ROUSPARD, D. MARO, M. MILLET, *A new method to assess the contribution of atmospheric deposition to stormwater metal load in a small urban catchment*, Water, Air and Soil Pollution, 227, 180, **2016**.
- C. LIAUD, M. BRUCHER, CL. SCHUMMER, CL. COSCOLLÀ, H. WOLFF, J.-J. SCHWARTZ, V. YUSÀ, M. MILLET, *Application of long duration high-volume sampling coupled to SPME-GC-MS/MS for the assessment of airborne pesticides variability in an urban area (Strasbourg, France) during agricultural application*, Journal of Environmental Science and Health, Part B, 51, 703-714, **2016**.
- J.V. MORGAN, S. GULICK, T. BRALOWER, E. CHENOT, G. CHRISTESON, P. CLAEYS, C. COCKELL, G.S. COLLINS, M.J.L. COOLEN, L. FERRIERE, C. GEBHARDT, K. GOTO, H. JONES, D.A. KRING, E. LE BER, J. LOFI, X. LONG, C. LOWERY, C. MELLETT, R. OCAMPO-TORRES, G.R. OSINSKI, L. PEREZ-CRUZ, A. PICKERSGILL, M. PÖLCHAU, A. RAE, C. RASMUSSEN, M. REBOLLEDO-VIEYRA, U. RILLER, H. SATO, D.R. SCHMITT, J. SMIT, S. TIKOO, N. TOMIOKA, J. URRUTIA-FUCUGAUCHI, M. WHALEN, A. WITTMANN, K. YAMAGUCHI, W. ZYLBERMAN. *The formation of peak rings in large impact craters*, Science, 354, 6314, 878-882, **2016**. DOI: 10.1126/science.aah6561.

Publications de 2015 (n=14, moyenne = 4,66 par chercheur Eq. Temps Plein)

- C. LIAUD, M. MILLET, S. LE CALVÉ*, *Development of an analytical method to quantify traces of Particle-bound PAHs in air*, Talanta, 131, 386-394, **2015**.
- S. AZIZI, G. ULRICH, M. GUGLIELMINO, S. LE CALVÉ, J. P. HAGON, A. HARRIMAN*, R. ZIESEL*, *Photo-induced Proton Transfer Promoted by Peripheral Subunits for Some Hantzsch Esters*, J. Phys. Chem. A, 119 (1), 39-49, **2015**.
- M. RIZK, M. VERRIELE, M. MENDEZ, S. DUSANTER, C. SCHOEMAECCKER, S. LE CALVÉ, N. LOCOGE, *In-situ measurements of sorption parameters with a field and laboratory emission cell (FLEC): A comparison to the test emission chamber method*, WIT Transactions on Ecology and the Environment; 198, 329-335, **2015**.
- P. GARRA, C. MASCHOWSKI, C. LIAUD, A. DIERTERLEN, G. TROUVÉ, S. LE CALVÉ, J.L. JAFFREZO, G. LEYSSENS, C. SCHÖNNENBECK, S. HOHLER, R. GIERÉ, *A novel approach to estimate total PAH contribution to particulate Matter from biomass burning using fluorescence microscopy*, Aerosol Science & Technology, 49, 1160-1169, **2015**.
- C. RAEPPEL, B.M.R. APPENZELLER, M. MILLET, *Analysis of seven pyrethroids biocides and their synergist in indoor air by thermal-desorption gas chromatography/mass spectrometry after sampling on Tenax TA® passive tubes*, Talanta, 131, 309-314, **2015**.
- H. TOUMI, M. BOUMAIZA, M. MILLET, CL. M. RADETSKI, V. FELTEN, J.-F. FÉRARD, *Can acetylcholinesterase be used as a biomarker to detect deltamethrin (pyrethrinoids insecticide) exposure with diverse strains of Daphnia magna (Crustacea, Cladocera)?*, Chemosphere, 120, 351-356, **2015**.
- H. TOUMI, M. BOUMAIZA, M. MILLET, CL. M. RADETSKI, B. I. CAMARA, V. FELTEN, J.-F. FÉRARD, *Acute and chronic effects of an endocrine disruptor, malathion (organophosphorous pesticide), on three strains of Daphnia magna (Crustacea, Cladocera)*, Journal of Environmental Science and Health Part B: Pesticides, Food Contaminants, and Agricultural Waste, 50, 34-44, **2015**.
- C. RAEPPEL, M. FABRITIUS, M. NIEF, B.M.R. APPENZELLER, O. BRIAND, L. TUDURI M. MILLET, *Analysis of airborne pesticides from different chemical classes adsorbed on RadielloTenax passive tubes by thermal-desorption-GC/MS*, Environmental science and Pollution Research, 22, 2726-2734, **2015**.

- O. ELSAYED, E. MAILLARD, S. VUILLEMIER, M. MILLET, G. IMFELD, *Degradation of chloroacetanilide herbicides and bacterial community composition in lab-scale wetlands*, Science of the Total Environment, 520, 22-231, **2015**.
- V. YUSA, M. MILLET, CL. COSCOLLÀ, O. PARDO, M. ROCA, *Occurrence of biomarkers of pesticide exposure in non-invasive human specimens*, Chemosphere, 139, 91-108, **2015**.
- J. AL-ALAM, Z. FAJLOUN, A. CHBANI, M. MILLET, *Contribution to the Food Products Analysis; Research and Hemolytic Effect Evaluation of some Pesticides Used in Lebanon*, Journal of Environmental Science and Health, Part B, 50 (11), 788-796, **2015**.
- V. YUSA, M. MILLET, CL. COSCOLLÀ, M. ROCA, *Analytical methods for human biomonitoring of pesticides*, Analytica Chimica Acta, 891, 15-31, **2015**.
- C.A. SOMENSI, A.L.F. SOUZA, E.L. SIMIONATTO, P. GASPARETO, S.M. ALMEIDA, M. MILLET, C.M. RADETSKI, *Evaluation of the efficiency of ozonolysis and ozonolysis/sonolysis treatments for the denaturation of genetic material present in hospital wastewaters*, Journal of Environmental Management, 162, 74-80, **2015**.
- E. JAMAL AL DINE, H. MOKBEL, A. ELMOLL, S. MASSEMIN, S. VUILLEMIER, J. TOUFAILY, H. HANIEH, M. MILLET, *Concomitant evaluation of atmospheric levels of polychlorinated biphenyls, organochlorine pesticides and polycyclic aromatic hydrocarbons in Strasbourg (France) using pine needle passive samplers*, Environmental Science and Pollution Research, 22, 17850-17859, **2015**.

Publications de 2014 (n=9, moyenne = 3,00 par chercheur Eq. Temps Plein)

- C. LIAUD, R. NASREDDINE, N. NGUYEN, S. LE CALVÉ*, *Experimental study of a transportable GC-PID and two thermo-desorption based methods coupled to FID and MS detection to assess BTEX exposure at sub-ppb level in air*, Talanta, 127, 33-42, **2014**.
- M. GUGLIELMINO*, A. ALLOUCH, P. BERNHARDT, CH. A. SERRA, S. LE CALVE, *Développement d'une nouvelle méthode analytique microfluidique pour la détection et la quantification du méthanal gazeux*, Actualité chimique, 390, 1-2, **2014**.
- C. LIAUD, T. DINTZER, G. TROUVE, V. TSCHAMBER, S. LE CALVE*, *Particle-bound PAHs quantification using a 3-stages Cascade Impactor in French indoor environments*, Environ. Pollution, 195C, 64-72, **2014**.
- CL. SCHUMMER, B. M. APPENZELLER, M. MILLET, *Monitoring of spatial and temporal variations of Polycyclic aromatic Hydrocarbons (PAHs) in the atmosphere of southern Luxembourg using XAD-2 resin based passive samplers*, Environmental Science and Pollution Research, 21, 2098–2107, **2014**.
- C. RAEPPEL, M. FABRITIUS, M. NIEF, B.M.R. APPENZELLER, M. MILLET, *Coupling ASE, silylation and SPME-GC/MS for the analysis of current-used pesticides in atmosphere*, Talanta, 121, 24-29, **2014**.
- M. LEFRANCOQ, S. PAYRAUDEAU, A. JOAQUIN GARCIA VERDU, E. MAILLARD, M. MILLET, G. IMFELD, *Transport of cyazofamid and kresoxim methyl in runoff at the plot and catchment scales*, Environmental Science and Pollution Research, 21(7), 4871-4882, **2014**.
- J. GASPERI, C. SEBASTIAN, V. RUBAN, S. PERCOT, L. WIEST, C. MIRANDE, E. CAUPOS, D. DEMARE, M. DIALLO KESSOO, M. SAAD, J-J. SCHWARTZ, P. DUBOIS, C. FRATTA, H. WOLFF, R. MOILLERON, G. CHEBBO, C. CREN, M. MILLET, S. BARRAUD, M.C. GROMAIRE, *Micropollutant contamination of urban stormwater: new insights based on an extended French dataset*, Environmental Science and Pollution Research, 21(8), 5267-5283, **2014**.
- V. YUSÀ, CL. COSCOLLÀ, M. MILLET, *New screening approach to risk assessment of pesticides in ambient air. A pilot study in rural area of Spain*, Atmospheric Environment, 96, 322-330, **2014**.

M. ESPINOSA, U.S. PACHECO, F. LEYTE, R. OCAMPO, *Separation and identification of porphyrin biomarkers from a heavy crude oil Zaap-1 offshore well, Sonda de Campeche, México*, Journal of Porphyrins and Phthalocyanines 07/2014; 18(07):542-551, **2014**.

Publications de 2013 (n=8, moyenne = 2,66 par chercheur Eq. Temps Plein)

- A. ALLOUCH, M. GUGLIELMINO, P. BERNHARDT, CH. A. SERRA*, S. LE CALVÉ*, *Portable, miniature, fast and high sensitive near real-time analyzers: formaldehyde detection*, Sensors and Actuators B: chemistry, 181, 551-558, **2013**.
- A. ALLOUCH, S. LE CALVÉ*, CH. A. SERRA*, *Portable, miniature, fast and high sensitive real-time analyzers: BTEX detection*, Sensors and Actuators B Chemical, 82, 446-452, **2013**.
- M. LEFRANCO, G. IMFELD, S. PAYRAUDEAU, M. MILLET, *Kresoxim methyl deposition, drift and runoff in a vineyard catchment*, Science of the Total Environment, 442, 503-508, **2013**.
- L. JANKE, A.O.S. LIMA, M. MILLET, C.M. RADETSKI, *Development and application of a methodology for a clean development mechanism to avoid methane emissions in closed landfills*, Environmental Technology, 34(8), 2607-2616, **2013**.
- F. GUEGUEN, P. STILLE, M. MILLET, *Optimisation and application of accelerated solvent extraction and flash chromatography for quantification of PCBs in tree barks and XAD-2 passive samplers using GC-ECD with dual columns*, Talanta, 111 (15), 140-146, **2013**.
- S. PERCOT, V. RUBAN, P. ROUSPARD, D. MARO, M. MILLET, *Beryllium-7 as a tracer of metals, pesticides and polycyclic aromatic hydrocarbons in urban aerosol in Nantes, France*, Atmospheric Environment, 74, 338-345, **2013**.
- F. GUEGUEN, M. MILLET, P. STILLE, *Persistent organic pollutants in the atmosphere from urban and industrial environments in the Rhine Valley: PCBs, PCDD/Fs*, Environmental Science and Pollution Research, 20, 3852-3862, 2013
- H. TOUMI, M. BOUMAIZA, M. MILLET, CL. M. RADETSKI, V. FELTEN, C. FOUQUE, J.-F. FÉRARD, *Effects of deltamethrin (pyrethroid insecticide) on growth, reproduction, embryonic development and sex differentiation in two strains of Daphnia magna (Crustacea, Cladocera)*, Science of The Total Environment, 458, 47-53, **2013**.