

**List of publications**  
**Group of Analytical Chemistry and Materials for the Environment and Health**  
**Period of 2013-2023**

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**Publications of 2023 (updated 21/02/2022, n=9, average = 4.5 per FTE researcher)**

- 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](https://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](https://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.

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### Publications of 2022 (n=14, average = 7.0 per FTE researcher)

- 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. ZAAROUR, 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.

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#### Publications of 2021 (n=22, average = 7.33 per FTE researcher)

- 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 NO<sub>2</sub>*, 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

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#### Publications of 2020 (n=23, average = 7.66 per FTE researcher)

- 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.
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