



# Publications

- Anschutz, S. Bouchet, G. Abril, R. Bridou, E. Tessier and D. Amouroux

*In vitro simulation of oscillatory redox conditions in intertidal sediments: N, Mn, Fe, and P coupling*  
**Continental Shelf Research** (2019) 177, 33-41.

- Aubé, P. Senin, P. Bonin, O. Pringault, C. Jeziorski, O. Bouchez, C. Klopp, R. Guyoneaud, M. Goñi-Urriza

*Meta-omics insights into the impact of hydrocarbon contamination on microbial mats functioning*  
**Microbial Ecology** (2020), <https://doi.org/10.1007/s00248-020-01493-x>

- Azad, M. S. Frantzen, M. Bank, S. I. Johnsen, A. E. Tessier, D. Amouroux, L. Madsen and A. Maage

*Spatial distribution of mercury in seawater, sediment, and seafood from the Hardangerfjord ecosystem, Norway*  
**Science of the Total Environment** (2019) 667, 622-637.

- Barnier, C. Clerissi, R. Lami, L. Intertaglia, P. Lebaron, R. Grimaud and L. Urios

*Description of Palleronia rufa sp. nov., a biofilm-forming and AHL-producing Rhodobacteraceae, reclassification of Hwanghaeicola aestuarii as Palleronia aestuarii comb. nov., Maribius pontilimi as Palleronia pontilimi comb. nov., Maribius salinus as Palleronia salina comb. nov., Maribius pelagius as Palleronia pelagia comb. nov. and emended description of the genus Palleronia*  
**Systematic and Applied Microbiology** (2019) 126018.

- Ben Salem, O. Ben Saïd, C. Cravo-Laureau, E. Mahmoudi, N. Bru, M. Monperrus and R. Duran

*Bacterial community assemblages in sediments under high anthropogenic pressure at Ichkeul Lake/Bizerte Lagoon hydrological system, Tunisia*  
**Environmental Pollution** (2019) 252, 644-656.

- M. S. Brito, V. M. Romero-Núñez, C. A. Caretta, P. Bertin, J. C. Valerdi-Negreros, R. Guyoneaud and M. Goñi-Urriza

*The bacterial diversity on steam vents from Paricutín and Sapichu volcanoes*

**Extremophiles** (2019) 23, 249-263.

- Canredon, P. Anschutz, D. Buquet, C. Charbonnier, D. Amouroux, E. Tessier, D. Poirier, S. Bujan, L. Devaux and B. Gouillieux

*Lake sediment mercury biogeochemistry controlled by sulphate input from drainage basin*

**Applied Geochemistry** (2019).

- Farci, G. Guadalupi, K. Bierla, R. Lobinski and D. Piano

*The Role of Iron and Copper on the Oligomerization Dynamics of DR\_2577, the Main S-Layer Protein of Deinococcus radiodurans*  
**Frontiers in Microbiology** (2019) 10, 1450.

- Feng, Z. Pedrero, L. Lima, S. Olivares, D. de la Rosa, S. Béral, E. Tessier, F. Pannier and D. Amouroux  
*Assessment of Hg contamination by a Chlor-Alkali Plant in riverine and coastal sites combining Hg speciation and isotopic signature (Sagua la Grande River, Cuba)*  
**Journal of Hazardous Materials** (2019) 371, 558-565.

- N.O. Gomez, A. Tetard, L. Ouerdane, C. Laffont, C. Brutesco, G. Ball, R. Lobinski, Y. Denis, P. Plésiat, C. Llanes, P. Arnoux, R. Voulhoux.  
*Involvement of the Pseudomonas aeruginosa MexAB-OprM efflux pump in metallophore secretion*  
submitted to **Pathogens**

- Goñi-Urriza, C. Klopp, M. Ranchou-Peyruse, A. Ranchou-Peyruse, M. Monperrus, B. Khalfaoui-Hassani and R. Guyoneaud  
*Genome insights of mercury methylation among Desulfovibrio and Pseudodesulfovibrio strains*  
**Research in Microbiology** (2019) 171, 1, 3-12.

- Gu, G. Sunahara, R. Duran, J. Yao, Y. Cui, C. Tang, H. Li and V. Mihucz  
*Sb(III)-resistance mechanisms of a novel bacterium from non-ferrous metal tailings*  
**Ecotoxicology and Environmental Safety** (2019) 186, 109773.

- Gu, J. Yao, R. Duran, G. Sunahara, X. Zhou  
*Alteration of mixture toxicity in nonferrous metal mine tailings treated by biochar*  
**Journal of Environmental Management** (2020), 265, art. no. 110511

- Hoegg, S. Godin, J. Szpunar, R. Lobinski, D. W. Koppenaal and K. Marcus, R  
*Ultra-High Resolution Elemental/Isotopic Mass Spectrometry ( $m/\Delta m > 1,000,000$ ): Coupling of the Liquid Sampling-Atmospheric Pressure Glow Discharge with an Orbitrap Mass Spectrometer for Applications in Biological Chemistry and Environmental Analysis*  
**Journal of the American Society for Mass Spectrometry** (2019).

- Hoegg, S. Godin, J. Szpunar, R. Lobinski, D. W. Koppenaal and R. K. Marcus  
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**Journal of Analytical Atomic Spectrometry** (2019) 34, 1387-1395.

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*A chemical speciation insight into the palladium( ii ) uptake and metabolism by Sinapis alba . Exposure to Pd induces the synthesis of a Pd-histidine complex*

- Lanceleur, E. Tessier, M. Bueno, R. Pienitz, F. Bouchard, C. Cloquet and D. Amouroux

*Cycling and atmospheric exchanges of selenium in Canadian subarctic thermokarst ponds*

**Biogeochemistry** (2019) 145, 193-211.

- Li, J. Yao, R. Duran, B. Roha, N. Karapınar, G. Jordan, T. Minkina, J. Gu, C. Lu, N. Min, Z. Fan

*Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil*

**Chemosphere** (2020), 240, art. no. 124913

- Liu, J. Yao, G. Sunahara, F. Wang, Z. F. Li and R. Duran

*Nonferrous metal(lloid)s mediate bacterial diversity in an abandoned mine tailing impoundment*

**Environmental Science and Pollution Research** (2019) 26, 24806-24818.

- J.-I. Liu, J. Yao, C. Lu, H. Li, Z.-f. Li, R. Duran, G. Sunahara and V. Mihucz

*Microbial activity and biodiversity responding to contamination of metal(lloid) in heterogeneous nonferrous mining and smelting areas*

**Chemosphere** (2019) 226, 659-667.

- J.-L. Liu, J. Yao, R. Duran, V.G. Mihucz, K.A. Hudson-Edwards

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**Environmental Pollution** (2019), 255, art. no. 113165

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**Continental Shelf Research** (2019) 186, 127-137.

- Sarret, S. Guedron, D. Acha, S. Bureau, F. Arnaud-Godet, D. Tisserand, M. Goñi-Urriza, C. Gassie, C. Duwig, O. Proux and A.-M. Aucour  
*Extreme Arsenic Bioaccumulation Factor Variability in Lake Titicaca, Bolivia*  
**Scientific Reports** (2019) 9.

- SilvaLiduino, CristianaCravo-Laureau, CyrilNoel, AnneCarbon, RobertDuran, M. Teresa, Lutterbach and E. F. C. Sérvuloa  
*Comparison of flow regimes on biocorrosion of steel pipe weldments: Community composition and diversity of biofilms*  
**International Biodeterioration and Biodegradation** (2019).

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**Chemical Science** (2019) 10, 7193-7199.

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**Food Chemistry** (2019) 294, 414-422.