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Current situation

- ◆ Professor at Aix-Marseille University.
- ◆ Director of Laboratory of Environmental Chemistry (UMR7376).
- ◆ Member of the Expert Committee “Waters” at ANSES (French National Agency for Environmental and Occupational Health Safety) since 2003.

University Course

- ◆ 2005: Habilitation à Diriger des Recherches
“Sustainable management of water quality: alternative procedures for analysis and treatment”
- ◆ 1996: Ph.D. Environmental Chemistry and Health (University of Provence)
“Electrochemical oxidation of aqueous phenol solutions on platinized titanium electrodes in presence of carbon black”.
- ◆ 1992: D.E.A. “Environmental Chemistry” (University of Provence)
- ◆ 1991: Master of Physical Chemistry (University of Lille I)

Research fields

Analytical development for the determination of micropollutants in the environment.
Development of alternative analytical methods for onsite and/or real-time determination of water quality based on flow analysis systems (MSFIA, SIA, MPFS, ...).

Recent papers

1. M.A. Vargas-Muñoz, J.-L. Boudenne, B. Coulomb, F. Robert-Peillard, E. Palacio. **Automated method for the solid phase extraction of tetracyclines in wastewater followed by fluorimetric determination.** *Talanta*, 270, 125554, 2024. <https://doi.org/10.1016/j.talanta.2023.125544>
2. M. Grimmelpont, C. Lefrançois, Y. Panisset, G. Jourdon, J. Receveur, S. Le Floch, J.-L. Boudenne, J. Labille, T. Milinkovitch. **Avoidance behaviors and toxicological impact of sunscreens in the teleost *Chelon auratus*.** *Marine Pollution Bulletin*, 194, 115245, 2023. <https://doi.org/10.1016/j.marpolbul.2023.115245>
3. D. Thallinger, J. Labille, T. Milinkovitch, J.-L. Boudenne, F. Loosli, D. Slomberg, B. Angeletti, C. Lefrançois. **UV filter occurrence in beach water of the Mediterranean coast – a field survey over 2 years in Palavas-les-Flots, France.** *International Journal of Cosmetic Science*; 45(S1), 67-83, 2023. <https://doi.org/10.1111/ics.12904>
4. M. Grote, J.-L. Boudenne, J.-P. Croué, B.I. Escher, U. von Gunten, J. Hahn, T. Höfer, H. Jenner, J. Jiang, T. Karanfil, M. Khalanski, D. Kim, J. Linders, T. Manasfi, H. Polman, B. Quack, S. Tegtmeier, B. Werschkun, G. Ziegler. **Inputs of disinfection by-products to the marine environment from various industrial activities: Comparison to natural production.** *Water Research*, 217, 118383, 2022. <https://doi.org/10.1016/j.watres.2022.118383>
5. J. Dron, C. Demelas, J. Mas, A. Durand, A. Pantalacci, A. Austruy, M. Périot, G. Revenko, D. Gori, K. Lebaron, S. Coupé, P. Höhener, J.-L. Boudenne. **Assessment of the contamination by 2,4,6-tribromophenol of marine waters and organisms exposed to chlorination discharges.** *Environmental Pollution*, 309, 119742, 2022. <https://doi.org/10.1016/j.envpol.2022.119742>

Diffusion of research

Articles : 59
Book chapters : 9
Oral Communications : 64

Commercialization of research

International Patents : 7 (5 exploited)