



Nathalie WÉRY

Chargée de Recherche / Research Scientist

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Expertise

Dr Nathalie Wéry obtained an Engineering Diploma (1997) and a PhD in Microbiology and Biotechnology (2000) of the National Institute of Applied Sciences in Toulouse, France. Her research first dealt with microbiology in extreme environments and potential industrial applications (thermophiles from deep-sea hydrothermal vents, psychrophiles from Antarctic soils). After a 2 years post-doctoral position in the Centre for Extremophiles Research of University of Bath (UK), she joined in 2003 the 'Microbial Diversity' team of the Laboratory of Environmental Biotechnology (INRA, Narbonne) as a Research Scientist. Her research at INRA focuses on the behavior of pathogens during industrial treatment of waste (wastewater treatment plants, anaerobic digestion, composting) and on the survival of pathogens in impacted matrices (soil, surface waters receiving treated effluents, atmosphere...).

Key papers

20 published papers in per-reviewed journals (Environmental Science and Technology, Applied and Environmental Microbiology, Microbial Ecology, Water Research, Atmospheric Environment, FEMS Microbiology Ecology, IJSEM...)

1. Le Goff O., Godon J.-J., Steyer, J.-P., Wéry N. (2011) New specific indicators for qPCR monitoring of airborne microorganisms emitted by composting plants. *Atmospheric Environment*, 45: 5342-5350.
2. Gourmelon M., Caprais M.-P., Mieszkin S., Marti R., Wéry N., Jardé E., Derrien M., Jadas-Hécart A., Communal P.-Y., Jaffrezic A., Pourcher A.-M (2010). Development of microbial and chemical MST tools to identify the origin of the faecal pollution in bathing and shellfish harvesting waters in France. *Water Research*, 44: 4812-4824.
3. Moletta-Denat M., Bru-Adan V., Delgenes J.-P., Hamelin J., Wéry N., and Godon J.-J. (2010). Selective microbial aerosolization in biogas demonstrated by quantitative PCR. *Bioresource Technology* 101:7252–7257.
4. Wéry, N., Monteil, C., Pourcher A.-M., and Godon, J.-J. (2010). Human-specific fecal bacteria in wastewater treatment plant effluents. *Water Research*, 44:1873-1883.
5. Wery, N., Lhoutellier, C., Ducray, F., Delgenes, J.-P., and Godon, J.-J. (2008). Behaviour of pathogenic and indicator bacteria during urban wastewater treatment and sludge composting, as revealed by quantitative PCR. *Water Research*, 42(1-2):53-62