

Examina and degrees:

2003: Habilitation, University of La Rochelle (ULR), France

1990: PhD in Biochemistry, Department of Biochemical and Food Industry Engineering, INSA Toulouse, France, Title: Influence of microenvironnement on kinetics and thermal stability of *Aspergillus oryzae* alpha-amylase, supervisor prof. Gilbert DURAND

1986: Engineer in Agronomy ENSA Montpellier (France)

Professional career:

2009-, Professor in Biochemistry, Department of Biotechnology, UMR CNRS 7266 LIENSs (Littoral, Environnement et Sociétés) ULR, France

2000-2008, Assistant professor, Department of Biotechnology, ULR, France

1990-1999, Assistant professor, Department of Biochemical and Food Industry Engineering, INSA Toulouse, France

Other commissions:

2015-, Vice-director of the faculty of sciences and technology, ULR, head of international relations

2014-, Vice –director of the laboratory UMR CNRS 7266 LIENSs, La Rochelle, France

2013-, Scientific co-director of the laboratory UMR CNRS 7266 LIENSs, La Rochelle, France

2013-2015, Head of international relations for the faculty of sciences and technology, ULR

2011-, Research team responsible “Molecular approaches: environment-health” of UMR CNRS 7266

2008-2011, Research team responsible “Environmental biotechnology” of UMR CNRS 7266

2009-2013, International relations responsible for the Department of Biotechnology, ULR

2004-2009, Responsible for the Master programme in Biochemistry, ULR

2001-2004, Responsible for the Master programme in Project Management, ULR

Project leadership:

2015-2018 INCREASE (International Consortium on Eco-conception and renewable resources) (45 K€) funding of the operating costs of a PhD student working about the development of normalized tools and guidelines for the evaluation of chronic chemical contamination of the coastal environment

2008-2013 ANR project «Expenantio» (632 K€), programme «Chimie durable- Industries-Innovation»

2011-2013 FEDER project «Mise en place d’une plateforme d’analyse haute résolution de biomolécules» (300 K€)

2011-2013 PRES Limousin Poitou-Charentes project « REDOXE » (30 K€)

Supervision: 3 post-doc, 8 PhD students, 13 Master students, 9 students engineers

Research interests:

Understanding and analysis of the impact of chronic chemical pollution on living organisms, especially from the marine environment, by using metabolomics tools.

Understanding formation of microbial biofilms, study of surface properties of microorganisms and solids and elucidation of the mechanisms of early adhesion.

Scientific production and five most important publications:

43 publications in international papers, 47 poster communications (31 international), 21 oral communications (13 international, 3 invited), 2 book chapters

1 international patent (first author), exploited since 1989, groupe Solabia BioEurope.

1. Breitwieser M, Vigneau E, Viricel A, Becquet V, Lacroix C, Erb M, Huet V, Churlaud C, Le Floch S, Guillot B, Graber M, Thomas H, 2018. What is the relationship between the bioaccumulation of chemical contaminants in the variegated scallop *Mimachlamys varia* and its health status? A study carried out on the French Atlantic coast using the Path ComDim model. Stoten, in press
2. Gagez A-L, Bonnet A, Pineau P, Graber M, 2017. Identification and quantification of domoic acid by UHPLC/QTOF tandem mass spectrometry, with simultaneous identification of non-target photodegradation products, International Journal of Environmental Analytical Chemistry 97: 1192-1205.
3. Breitwieser M, Viricel-Pante A, Graber M, Murillo L, Becquet V, Churlaud C, Fruitier-Arnaudin I, Huet V, Lacroix C, Pante E, Le Floch S, Thomas H, 2016. Short-term and long-term biological effects of chronic chemical contamination on natural populations of a marine bivalve. PlosOne, 11,e0150184. DOI: 0.1371/journal.pone.0150184.
4. Klein GL, Pierre G, Bellon-Fontaine MN, Graber M, 2015. Inverse Gas Chromatography with Film Cell unit: an attractive alternative method to characterize surface properties of thin solid films. J Chromatographic Science 53: 1233-1238.