**BALNOIS Eric**

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CNU: 31

**Current position** : Lecturer in chemistry, IUT of Quimper, University of Western Brittany-Brest (Fr)

* 2011-2005 : lecturer in chemistry, IUT of Lorient, University of South Brittany (Fr)
* 2005-2003 : Temporary lecturer (ATER) in chemistry, Engineering and Science department University of South Brittany (Fr)
* 2003-1999 : Engineer at the CNRS, Laboratory of Ionic Liquids and charged interfaces (UMR 7612)
* 1999 - Ph.D (Geneva University, Switzerland) : Characterisation of aquatic colloids by atomic force microscopy ; Director : Professor Jacques Buffle, laboratory of Analytical and Biophysico Environmental chemsitry (CABE), University of Geneva, Switzerland

**Teaching activities :**

Solution chemistry, analytical chemistry, food chemistry, Physical chemistry (thermochemistry, kinetics), chemistry risk assessment

**Scientific skills:**

* Colloidal science, interface science, polymer science, biopolymers and biomolecules, antimicrobial peptides
* Atomic force microscopy, colloidal force microscopy, transmission electron microscopy, dynamic light scattering, fluorescence correlation microscopy, sample preparation techniques
* image analysis
* Electrochemical analysis (cyclic voltammetry, chronopotentiometry)

**Administrative duties:**

* Director of the biology department, IUT de Quimper (since 2013)
* Head teacher of the 1st year students in the biology department, IUT of Quimper (2011-2013)
* head teacher of the 1st year and 2nd year students in "the health and safety" department, IUT of Lorient (2009-2011)

**5 publications:**

1. E. Balnois, S. Stoll, K.J. Wilkinson, J. Buffle, M. Rinaudo and M. Milas "Conformations of succinoglycan as observed by Atomic Force Microscopy", Macromolecules, 2000, 33, 7440-7447
2. E. Balnois and K.J. Wilkinson "Sample preparation techniques for the observation of environmental biopolymers by atomic force microscopy", Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 207, 229-242
3. Narladkar A., Balnois E., Vignaud G., Grohens Y., Bardeau J.-F., “Morphology and Glass Transition of Thin Polylactic Acid Films”, Polymer Engineering and Science, 2008, 48, 1655-1660
4. Gijo Raj, E. Balnois, M.-A. Helias, C. Baley and Y.Grohens “Measuring adhesion forces between model polysaccharide films and PLA bead to mimic molecular interactions in flax/PLA biocomposite”, Journal of Materials Science, 2012, 47 (5), 2175-2181
5. Desriac, F., Jégou, C., Balnois, E., Brillet, B., Le Chevalier, P., Fleury, Y., 2013. Antimicrobial peptides from marine proteobacteria. Mar. Drugs 11, 3632–3660