**DUPONT Virginie**

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Grade : MCF HC CNU : 32

Assignment Institution: University of South Brittany

Laboratory Biotechnology Laboratory and Chemistry Marines

Doctoral School: Doctoral School of the Marine Sciences

**Education, work experience and current position**

1993 : PhD process engineering and physical chemistry : synthesis and and analysis of N-hydroxy peptides

2006 -2008 : Assessor of the Dean of the Faculty of Sciences and Engineering Sciences

2008 – 2012 : Dean of the Faculty of Sciences and Engineering Sciences

2012 – 2016 : Vice-president of adminitrative council in charge of finances, human resources and building

**Scientific skills within the CNU section**

* Organic synthesis, methodology and peptide and pseudopeptide synthesis. conformational analysis by NMR spectroscopy, IR, X-ray diffraction and molecular modeling
* Synthesis of bioactive molecules and preparation of new multi-functional synthons
* Infrared spectroscopy analysis of bacterial biofilms, in particular the differentiation of Proteus mirabilis by infrared microscopy ATR and remote infrared spectroscopy and in the quality control of agro-food products
* Occurrence and toxicity of Triclosan and its by-products in the environment
* Study of the concentration of heavy metals in the Gulf of Morbihan and Quiberon Bay

**Teaching activites**

Teaching of organic chemistry, analytical and structural chemistry

**List of Publications 5 features specialty areas**

1 - M. MARRAUD, V. DUPONT, V. GRAND, A. LECOQ, G. BOUSSARD, A. AUBRY

"Modifications of the amide bond and conformational constraints in pseudopeptide analogs"

Biopolymers,1993, 33, 1135-1148.

2 – M. GUÉ, V.DUPONT, A. DUFOUR, O. SIRE

“Bacterial swarming: a biochemical time-resolved FTIR-ATR study of Proteus mirabilis swarm-cell differentiation “. Biochemistry, 2001, 40, 1138-11945

3 – M. PAUVERT, V. DUPONT, A. GUINGANT

“A facile access to 1,5-dihydro and 1,3,4,5-tetrahydro-benzo-[b]azepin-2-one ring systems via a new ring enlargement” . Synlett, 2002,issue 8, 1350-1352

4 –G.BEDOUX, B. ROIG, O.THOMAS, V. DUPONT, B. LE BOT.

“Occurrence and toxicity of antimicrobial triclosan and by-products in the environment”

Environmental science and pollution research, 2011, 19(4), 1044-1065

5 – M.C. ONG, D. MENIER, N.A.M. SHAZILI, V. DUPONT

“[Geochemistry of metallic trace elements in surficial sediments of the Gulf of Morbihan, Brittany, France »](https://www.researchgate.net/publication/236661197_Geochemistry_of_metallic_trace_elements_in_surficial_sediments_of_the_gulf_of_Morbihan_Brittany_France?ev=prf_pub) . Journal of applied sciences, 2012, 12(21), 2215 – 2224.