

VALLEE REHEL Karine

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Grade: PR Section CNU Cl 1: 31

Assignment Institution: University of South Brittany
Laboratory Biotechnology Laboratory and Chemistry Marines
Doctoral School: Doctoral School of the Marine Sciences

Qualifications

1993 Chemical Engineer of the National School of Chemistry of Rennes
1994 DEA Chemistry and Physical Chemistry of Polymers, Université Pierre et Marie Curie (Paris VI)
1997 PhD: "New hydrolysable acrylic binders for antifouling paints without erodible tin derivatives ", Paris 12 Val de Marne.
2004 Habilitated to supervise PhD students: "Designing marine antifouling paints erodible: research on operational factors and studying their colonization by bacterial biofilms. "
University of Southern Brittany

Scientific skills within the CNU section

- * Chromatography and mass spectrometry applied to biological molecules
- * Study of the factors influencing the development of bacterial biofilm on bioactive surfaces
- * Understanding the mechanisms of action of antifouling coatings

Teaching activities

Teaching of the analytical chemistry applied to the biomolecules from the license to the master level.

Administrative duties

Co-director of the Doctoral School of the Marine Sciences

List of Publications 5 features specialty areas

1. Faÿ F, Linossier I, Carreau D, Dheilily A, Silkina A, and Vallee Réhel K. 2010. Booster biocides and microfouling. *Biofouling* 26, 787-798 (IF 4.415)
2. Faÿ F., D. Carreau, I. Linossier, Mr. Delbury, K. Réhel, Valley. 2013. Joint Action of antifouling substances in copper-free paints. *Colloids and Surfaces B: Biointerfaces* 102, 569-577. (IF 3.456)
3. Carreau D., K. Vallee Réhel, Linossier I., F. Quiniou, R. Davy, C. Compere, Mr. Delbury, F. Faÿ. 2014. Development of environmentally friendly antifouling paints using biodegradable polymer and non-toxic substances. *Progress in Organic Coatings* 77, 485-493. (IF 1.848)
4. Mr. Hawkins, F. Faÿ, K. Réhel, I. Linossier, and Mr. Grunlan. 2014. Microfouling-resistance of silicone modified with amphiphilic PEO-silane. *Biofouling*, 30 (2), 247-258. (IF 3.396)
5. Azemar F., F. Faÿ, K. Réhel, and I. Linossier. 2014. Control of hydration and degradation properties of triblock Copolymers polycaprolactone-b-polydimethylsiloxane-b-polycaprolactone. *Journal of Applied Polymer Science*, DOI: 10.1002 / APP.40431 (IF 1.3)