Pr Isabelle LINOSSIER

Isabelle.Linossier@univ-ubs.fr

0033297874681

Grade: Professor Section 33 Materials Engineering

Assignment Institution: University South Brittany

Laboratory of Marine Biotechnology and Chemistry

Doctoral School: Doctoral School in Marine and Coastal Sciences

Qualifications

1995: PhD : "Using infrared spectroscopy evanescent waves for the in-situ study of interfacial area polymer / substrate", University Claude Bernard -Lyon1

2008: Habilitated to supervise PhD students: « Study of the interface biofilm/polymer »

University of South Brittany.

Research activities and skills

* Physicochemical characterization of bacteria and substrates
* Development of analytical tools to study the efficiency of antifouling paints.
* Formulation of biodegradable antifouling paint.
* Study of marine biofilm
* Effect of viscoelastic properties on the bioadhesion
* Physico-chemistry of polymer.
* Polymer synthesis

Teaching activities

* chemical risk, major technological risk, major natural risk, environmental risk

Publications:

1. Faÿ F., Poncin Epaillard F., Le Norcy T., Linossier I., Rehel K. Surface plasma treatment (Ar/CF4) decreases biofouling on polycarbonate surfaces, Surface Innovations, sous presse (2020)
2. Azemar F., Faÿ F., Réhel K., Linossier I. Ecofriendly silicon-poly(lactic acid) hybrid antifouling coatings. Progress in Organic Coatings 148, 105881. (2020)
3. Le Norcy T., Faÿ F., Zea Obando C., Hellio C., Réhel K., Linossier I. 2019. A new method for evaluation of antifouling activity of molecules against microalgal biofilms using Confocal Laser Scanning Microscopy-Microfluidic Flow cells. International Biodeterioration and Biodegradation139, 54-61. (2019)
4. Faÿ F., Gouessan M., Linossier I., Réhel K. Additives for efficient biodegradable antifouling paints. International Journal Molecular Sciences 20, 361. (2019).
5. Faÿ F., Horel G., Linossier I., Vallée-Réhel K. Effect of biocidal coatings on microfouling: In vitro and in situ results. Progress in Organic Coatings 114, 162-172. (2018)
6. Loriot M., Linossier I., Vallée-Rehel K., Faÿ F. Influence of biodegradable polymer properties on antifouling paints activity. Polymers 9, 36. (2017)
7. Loriot M., Linossier I., Vallée-Réhel K., Faÿ F. Hydrolytic degradation of P(CL-VL) copolymers : influence of molecular weight. Journal of Applied Polymer Science 133, 43007. (2016)
8. F. Azemar, F. Faÿ, K. Réhel, I. Linossier. Development of hybrid antifouling paints. Progress in Organic Coatings 87, 10–19. (2015)
9. L. Hawkins, F. Fay, K. Rehel, I. Linossier, M. A. Grunlan. « Bacteria and diatomresistance of silicones modified with PEO-silane amphiphiles » Biofouling, Vol. 30, 2, 247–258, (2014)
10. F. Azemar, F. Faÿ, K. Réhel, I. Linossier. « Control of hydration and degradationproperties of triblock copolymers polycaprolactone-b-polydimethylsiloxane-bpolycaprolactone» Europeen Polymer Journal, Vol.131, 18, (2014)
11. C. Guégan , J. Garderes , G. Le Pennec , F.Gaillard, Faÿ F, Linossier I, J.M.Herry, M.N.Bellon Fontaine, K. Réhel « Alteration of bacterial adhesion induced by the substrate stiffness » Colloids and Surfaces B : Biointerfaces, Vol.114, 193-200, (2014)