Nos chercheurs et E2S

* **MArine sorbed Debris AnalYsis, MAyDAy** - S. Reynaud

* **NOOSTRIM** - A. Allal

  _Elaboration of innovative plastic packaging for institutional catering and food industry, in order to limit their impact on both human health and the environment._

**Post Doctorant**

* **"Improving nanocomposites processability for their use as matrices in thermoplastic composites"** - Jordana K. Palacios - Encadrant : Sylvie Dagréou

**Doctorants**

* **"Speciation Analysis in Biofuels"** - Victor Garcia Montoto - Encadrant : Brice Bouyssière

* **"Diversité microbienne fonctionnelle et biodégradation des hydrocarbures dans un continuum sol - milieu aquatique"** - Elise Chatillon - Encadrant : Cristiana Cravo-Laureau

* **"Development of innovative materials made from absorbent polymers in near infrared environment for organic photovoltaic."** - IDRISS Hisham - Encadrant: Christine Lartigau-Dagron

**Internationalisation of training courses**

* **"Organometallics and Main Group Element Chemistry"** - CHROTOWSKA Anna

  Master « Material Science and Engineering », field “Chemistry and physico-chemistry of materials”

* **"Biological Soft Matter"** - NARDIN Corinne

  Master « Material Science and Engineering »

* **"Bioanalytical chemistry"** - RONGA Luisa
Master « Chemistry and Life sciences », field “Analytical Sciences applied to Life and Environment”

Junior Chair

* "Molecular simulation" - Hugo Santos Silva

(partnership chair)

Key Scientific Challenges

* Go inside a bacterial cell methylating mercury (GO beam) - Marie-Pierre Isaure

Doctorants

* "Materials for negative electrodes and electrode-electrolyte interface in potassium-ion batteries" - Caracciolo Laure, Encadrant: H.Martinez
* "Synthesis of sustainable polymer colloids" - Sabalot Julia, Encadrant: M.Save
* "Environmental integrons: natural genetic vehicles to disperse adaptive genes" - Sandoval Quintana Eva, Encadrants: C.Cagnon/B. Lauga
* "Fishes’ mechanisms of toxins transfer and accumulation after the bloom of cyanobacteria in a lake ecosystem" - Noura Hammoud, Encadrants: R.Lobinsky (UPPA), M.Slim (Lebanon), IPREM / Laboratoire des analyses inorganiques

* "New challenges for non-specific sifting and the overall future of "emerging" contaminants and their metabolites in the Lebanese marine ecosystem" - Mariam Zayter, Encadrants: H. Preud’homme (UPPA), Mrs Mahfouz (Lebanon)

IPREM / Laboratoire d'analyses chimiques

International Doctoral Mobility

* Study of the reactivity and the fate of micropollutants in the Canyon of Capbreton - Azaroff Alyssa, Encadrant: M. Monperrus
* Design of advanced structured functional polymer surfaces from photo-active polymer nanoparticles - Boussiron Charlène, Encadrants: M.Save, S.Lacombe
* Development of physicochemical and mass spectrometric characterization methods for innovative fully recyclable food packaging materials. - Issart Ambre, Encadrants: J.Szpunar, A.Allal
* Paramagnetic Nano-graphenes - Hande Aniket, Encadrants: A.Chrostowska, C.Darrignan
Exploring the interactions between fungi and bacteria in polycyclic aromatic hydrocarbons degradation - Álvarez Barragán Joyce, Encadrants: R. Duran, C. Cravo-Laureau

Helmholtz Center for environmental research, Leipzig (DE)

Adhesion on skin of microgel suspensions and films for medical and cosmetic applications - Dieuzy Eva, Encadrants: L. Billon, C. Dérail

Stanford University (US)

Speciation Analysis in Biofuels. - Garcia Montoto Victor, Encadrant: B. Bouyssière

Copenhagen University (DK)

Future of organic photovoltaic, FOREVER - C. Lartigau-Dagron (plus)

Fellowship for “Innovation in teaching”

BIM - "Implementation of a Master in « Bio-inspired material sciences" - C. Nardin, L. Billon

Fundamentals in Biochemistry and Cellular Biology, Condensed Matter Physics, Soft Matter Physics, Polymer Chemistry

Micro2En - "Disciplinary and linguistic joint teaching in Environmental Microbiology" - F. Bedecarrats, C. Cagnon

English, linguistic skills applied to sciences

Internationalisation of training courses

Goñi-Urriza Maria Soledad, Miqueu Christelle, Radji Sadia, Rubatat Laurent

Project maturation

MECAPEAU - Evolution of skin mechanical properties and tissue adaptation to environmental disturbances - Christophe Derail

Thematic hubs

MeSMic - Metals in Environmental Systems Microbiology: An integrated approach to unravel metal ion interactions with microbial ecosystems at the
molecular, cellular and community levels