Upper Rhine Cluster for Sustainability Research

Researchers Profil

Name, Position & Affiliation

Mourad ELHABIRI
CNRS Senior Scientist (DR CNRS)
Bioorganic and Medicinal Chemistry
Bio(in)organic Physico-Chemistry, UMR 7509 CNRS - University of Strasbourg, ECPM, 25, rue Becquerel
67200 Strasbourg - France
Tel: (+33) 3 68 85 26 85 - elhabiri@unistra.fr
http://www.lcm-umr7509.org/
http://orcid.org/0000-0001-6371-7533

Expertise in relation to the topics of the URCforSR

- Member of the Alsacian Network of Laboratories in Environmental Sciences and Engineering (REALISE) : Co-author of the 2003-2013 REALISE final report (http://realise.unistra.fr/uploads/media/bilan-REALISE.pdf)
- Speciation of rare-earth, biological relevant and heavy metals by (bio)organic chelators (evaluation of physico-chemical parameters, simulations)
- Bio-augmented remediation of toxic metals ions ((phyto)-siderophores, soil-plant transfers...):

J.Y. Cornu, M. Elhabiri, C. Ferret, V. Geoffroy, K. Jezequel, Y Leva, M. Lollier, I Schalke, T. Lebeau, "Contrasting effects of pyoverdine on the phytoextraction of Cu and Cd in a calcareous soil", *Chemosphere* **2014**, 103, 212-219.

C. Ferret, J.Y. Cornu, M. Elhabiri, T. Sterckeman, A. Braud, K. Jezequel, M. Lollier, T. Lebeau, I.J. Schalk, V.A. Geoffroy "Cadmium and nickel complexation and phytoavailability in hydroponic conditions as affected by pyoverdine supply", *Environ. Sci. Pollut. Res.* **2015**, 22, 2106-2116.

Special Interests in the topics of the URCforSR

Transformation processes, innovative technologies and human well-being (in particular health issues)
Bioremediation of toxic metals from polluted soils/water
Protection of eco-systems

What you are searching for regarding the cooperation within the URCforSR

Interdisciplinary trinational (and European) collaborations on topics related to sustainability and environmental sciences
Networking, wider exposure in the trinational framework, societal and environmental aspects, Eucor