



6th SINO-FRENCH WORKSHOP

organized by

The International Associated Laboratory of Environmental Processes and Remediation (IAL – LEPR)

2-3 July 2024

University Clermont Auvergne, Clermont-Ferrand, France

Chairmen : Pr. Feng WU (Pr. Wuhan University) and Dr. Gilles MAILHOT (DR CNRS-University Clermont Auvergne)

The international associated laboratory is situated within the wider concern of environment quality. The main work of this international structure is to perform research for the development of different kind of processes with the objective to decontaminate environmental matrices whether they are waters, soils or air. The laboratory will be made up of three teams, one for each major environmental compartment (water, soil and air). However, these three teams will be very interdependent, as they will have to develop technologies that are very similar because they can be used and adapted for all three types of environment. The main objectives of the laboratory are therefore:

- To share and federate resources for research in this area, thereby enabling significant advances in knowledge, and the emergence of research essential to the preservation and management of environment.
- To understand the mechanisms involved during biodegradation processes and the generation of the oxidative species and identify the optimal conditions in each process or AOPs studied as a function of the matrices physicochemical properties and its chemical and biological composition (organic compounds, inorganic ions, microorganisms, etc.).
- To propose simple and economic treatments for real wastewaters, soils or air, focusing on degradation of organic pollutants but also on matrices disinfection (bacteria, virus, pathogenic microorganisms) until the conception of pilot technology or even the practical wastewater treatment devices based on the outcomes of research.

During the workshop, French and Chinese teams will present their last developments through oral communications given by master's students, PhD students and senior researchers. The perspectives for the two next years will be address at the end of these two days.

!!! free registration but required to participate !!!

Acknowledgements

This scientific event is supported by the CNRS, University Clermont Auvergne, Wuhan University, the project I-Site CAP 20-25 and the Consulate General of France in Wuhan.