

NOTICE BIOGRAPHIQUE

BEDIOUI Fethi

DRCE-Senior Researcher CNRS

Analytical Electrochemistry –
Microelectrochemistry - Miniaturized Devices –
Sensing & Diagnosis



Current Fields of Expertises

- ❑ Electroanalytical sensors and devices for biological applications: detection of nitric oxide, superoxide, thiols and other biologically relevant molecules
- ❑ Electrochemical Microscopy: Material imagery and micro engineering of (bio)fonctionnalized surfaces.
- ❑ Design of electrode materials from electropolymerized organometallic biomimetic complexes.
- ❑ Electrochemistry of metallo-porphyrins, phthalocyanines and Schiff bases.
- ❑ Analytical microfluidic devices and systems and implementation of coupled techniques