

Elli VICHOU (Post-doctorate)

Laboratoire de Chimie des Processus Biologiques

Collège de France

11 Place Marcelin Berthelot 75005 Paris, France

Phone number: +33(0) 1 44 27 15 93

E-mail: elli.vichou@college-de-france.fr

Research activity:

CO₂ conversion to hydrocarbons: effects of surface molecular modifications on catalytic performance

Educational Background:

2018-2021 : «Génie de Procédés» PhD in Analytical Chemistry - Physical Chemistry

Title: CO₂ electroreduction to fuels by molecular catalysts in presence of Ionic Liquids

PhD Directors: Dr. Carlos SANCHEZ-SANCHEZ, LISE, Sorbonne Université

Prof. Marc FONTECAVE, LCPB, Collège de France

2017-2018: Master 2 in Molecular Chemistry, Sorbonne Université (Campus France scholarship), Paris, France

2013-2017: Bachelor in Chemistry, University of Athens, Athens, Greece

Previous research activity:

January 2017 – June 2018: Master 2 internship in Laboratoire de Biomolécules of École Normale Supérieure in Clotilde Policar's team (Paris): «Metal-Carbonyl Probes as Organelle Trackers: from Chemical Synthesis to Sub-Cellular Imaging»

September 2016 – June 2017: One-year Bachelor's project in Laboratory of Inorganic Chemistry of University of Athens in Christianna Mitsopoulou's team: «Cu (I) complexes and their applications in cancer photodynamic therapy: Synthesis and characterization – Studies of their interaction with CT-DNA»

Publication:

Imidazolium and Pyrrolidinium Based Ionic Liquids as Co-catalysts for CO₂ Electroreduction in Model Molecular Electrocatalysis, **E. Vichou**, Y. Li, M. Gomez-Mingot, M. Fontecave, C.M. Sanchez-Sanchez, *J. Phys. Chem. C*, **2020**, *124* (43), 23764-23772