

## Dr. Eric GENTY

Unity of Environmental Chemistry and Interactions with the Living Organisms (UCEiV)  
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## Professional Experience

**2024-Associate Professor** at Université du Littoral Côte d'Opale (ULCO) Dunkerque (France)  
**2019/2023- R&D Engineer** at STARKLAB-Terraotherm  
**2017/2019-Post-Doctoral researcher** at Ecole Centrale Lille and UCCS(Unité de Catalyse et Chimie du Solide UMR CNRS8181) (France)  
**2016/2017-Post-Doctoral researcher** in collaboration with Bosal ECS at Université Libre de Bruxelles (ULB) (Belgium)  
**2014/2016-Post-Doctoral researcher** in collaboration with Euro Heat Pipe and Calyos at Université Libre de Bruxelles (ULB) (Belgium)

## Education

**2014- Ph.D.** degree in chemistry obtained at the University of Opal Coast (ULCO, France)

## Administrative and scientific responsibilities

**Guest Editor** (since 2017) of Catalysts (ISSN 2073-4344; CODEN: CATAJ): an Open Access Catalysis Journal

## Research topics

*Environmental catalysis – Catalytic oxidation - Spectroscopy – Mixed Oxides - LDHs*

## Scientific and societal impact of research

**24 international papers – 1 patents**  
**475 Citations by 406 documents**  
*h-index: 12*

## Significant papers

Thermokinetic and spectroscopic mapping of carbon monoxide adsorption on highly dispersed Pt/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub>  
A. Sangnier, E.Genty, M.Iachella, P.Sautet, P. Raybaud, M. Mickaël, C. Dujardin, C. Chizallet  
*ACS Catalysis*, 11(21), 2021, 13280–13293

Influence of CO addition on the toluene total oxidation over Co based mixed oxide catalysts  
E. Genty, J. Brunet, C. Poupin, S. Ojala, S. Siffert, R. Cousin  
*Applied Catalysis B: Environmental* 247, 2019, 163–172

The CoAlCeO Mixed Oxide: An Alternative to Palladium-Based Catalysts for Total Oxidation of Industrial VOCs  
Brunet, J.; Genty, E.; Barroo, C.; Cazier, F.; Poupin, C.; Siffert, S.; Thomas, D.; De Weireld, G.; Visart de Bocarmé, T.; Cousin, R.  
*Catalysts* 8(2), 64, 2018, 1-20

Co-Al mixed oxides prepared via LDH route using microwaves or ultrasound: Application for catalytic toluene total oxidation  
E. Genty, J. Brunet, C. Poupin, S. Casale, S. Capelle, P. Massiani, S. Siffert, R. Cousin  
*Catalysts*, 5(2), 2015, 851–867

Catalytic oxidation of toluene and CO over nanocatalysts derived from hydrotalcite-like compounds (X<sub>6</sub><sup>2+</sup>Al<sub>2</sub><sup>3+</sup>): Effect of the bivalent cation  
Genty E., Cousin R., Capelle S., Gennequin C., Siffert S.  
*European Journal of Inorganic Chemistry* (16) 2012, pp. 2802-2811