



Yacine Boudjema

PhD in chemistry / Open to work

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Contact

🗣 French
📄 Driving licence
📅 Date of birth 08/11/1997

My PhD defense will be held on december 2024. I am currently looking for a new experience as a PhD in the catalysis/material/new energy field with a beginning in 2025. I am open to work experience in order to strenghten my knowledge . I don't have any geographic restriction

Education

Master degree in Catalysis [University of Lyon](#) Villeurbanne
From September 2020 to July 2021

Chemistry Engineering [CPE Lyon](#) Villeurbanne
From September 2017 to July 2021

Technical degree in chemistry [IUT Lyon 1](#) Villeurbanne
From September 2015 to July 2017

Languages

English

› FCE : 173/230

Italian Conversational Italian

Social networks

in @Yacine Boudjema-Diallo

Interests

Sport	Workout since 3 years Boxing for 5 months
Music	Musician in a band for 8 years
Organization	Student organization member during the scholar year 2016-2017
Organization	Tasting beer organization president during the scholar year 2018-2019

Work experience

PhD student [IFPEN](#) Solaize

From December 2021 to November 2024

Effect of zeolitic catalysts on the mechanisms of the transformations of biomass-based sugars

Lewis acid zeolite synthesis by post modification method.
Characterizations of the materials (XRD, XRF, N₂ physisorption, XPS, ²⁹Si NMR)

Catalytic tests in batch reactor with different carbohydrates (glucose, fructose and xylose)
Samples analyzed by HPLC and NMR technics

DFT study of the active sites

Internship supervision

Intern [IRCELYON](#) Villeurbanne

From February 2021 to July 2021

Study of copper catalysts for dehydrogenation of benzaldehyde (catalysts syntheses, catalytic tests, XRD, ICP, GC)

Intern [EURECAT US Inc.](#) Pasadena, Texas

From January 2020 to June 2020

Rejuvenation and improvement of hydrodesulfuration catalysts mechanical properties

Intern [EURECAT FRANCE SAS](#) La Voulte-sur-Rhône

From July 2019 to December 2019

Rejuvenation and improvement of hydrodesulfuration catalysts mechanical properties

Intern [Trédi](#) Saint-Vulbas

From July 2018 to August 2018

Transformers oil analysis: water content by Karl Fischer method, acid/base dosage, breakdown voltage

Production operator [UNILEVER](#) Saint-Vulbas

From July 2017 to August 2017

Intern [Light and Matter Institute](#) Villeurbanne

From April 2017 to June 2017

Nanoparticles characterization: DLS, HPLC, Osmolarity, Relaxometry, Zetametry)

Laboratory technician [Trédi](#) Saint-Vulbas

From July 2016 to August 2016

Water analysis: pH, atomic absorption spectroscopy