

# Grégory Bataillou

06.26.33.56.31 | 19/04/1993 | gregory.bataillou@posteo.net | [linkedin.com/in/gregory-bataillou/](https://www.linkedin.com/in/gregory-bataillou/) |

## EDUCATION

---

- Ph.D in ioelectrochemistry** 10/2019 –10/2022  
*Laboratoire Ampère* *Ecully*
- Optimisation of Plant Microbial Fuel Cells
  - Study of bio-based materials as electrodes
  - Teaching in electrotechnics : three-phase, électromagnetism, DC motors
- Ecole Centrale de Lyon** 2013-2017  
*Generalist Engineer* *Lyon*
- Internship (3 m, 2015) : profitability of photovoltaic power plants - Solorea, Lyon
  - Internship (6 m, 2015) : Characterization of an ultrasonic probe for medical research - LabTau, INSERM, Lyon
  - Internship (6 m, 2017) : web development, Dedico, Amsterdam
- Classes préparatoires MPSI-MP** 2011-2013  
*Lycée Pierre de Fermat* *Toulouse*
- Baccalauréat spécialité Mathématiques - Mention Très bien** 2011  
*Académie de Nice* *Saint-Raphaël*

## EXPERIENCE

---

- Post-doctoral mission** 06/2023- Today  
*Laboratoire Ampère* *Lyon*
- Water treatment with advanced oxidation processes (Fenton's reaction)
- Company creation** 2019  
*Lichen* *Lyon*
- Commercialization of patented water treatment technology
  - Feasibility studies : Business model, business plan, benchmark, prototyping

## PROJECTS

---

- Humanitarian trip with brass band** | *Note Away* 2016
- Vice-president of the organization
  - music lessons to children in Peru, Philippines and India

## TECHNICAL SKILLS

---

**Languages :** French (native), English (fluent), Italian (good level)  
**Methodology :** Experimental planification, definition of specifications  
**Maker :** Circuit design and manufacturing, 3D printing  
**IT development:** Python, website - Django/Symfony, php, Javascript

## PUBLICATIONS

---

### Conference :

- Bataillou G, Haddour N. Vollaire C. Bioelectricity production of PMFC using Lobelia Queen Cardinalis in individual and shared soil configurations. European Fuel Cells and Hydrogen, Dec 2021, Naples (en ligne), Italy. pp.08001, 10.1051/e3sconf/202233408001 hal-03523799
- Bataillou G, Haddour N., Cecillon S., Vollaire C. Cedarwood based biochar as a performant anode material in Soil Microbial Fuel Cell, MEEP 2022 Lucerne, Poster
- Bataillou G, Ondel O., Haddour N., Alimentation de capteur autonome avec les biopiles à base de plantes, SGE 2023, Lille

### Journal :

- Bataillou, G., Lee, C., Monnier, V. et al. Cedar Wood-Based Biochar: Properties, Characterization, and Applications as Anodes in Microbial Fuel Cell. Appl Biochem Biotechnol (2022). 10.1007/s12010-022-03997-3