



Laurianne Ornella

MATCHIM FONDJO

PROFIL

First year PhD student at CP2M (Catalyse
Polymérisation Procédé et Matériaux) laboratory-
University Claude Bernard Lyon 1
France

EDUCATION

- 2024- On going PhD in chemistry
CP2M, University Claude-Bernard
Lyon, France.
- 2022 – 2023 Master in inorganic chemistry
Faculty of Science-University of Yaoundé I
Yaounde, Cameroon.
Honors of Valedictorian
- 2021 – 2022 Secondary high school teacher's diploma grade II (DIPES II)
Higher teacher training college - University of Yaoundé I
Yaoundé, Cameroon.
Honors of Valedictorian
- 2020 – 2021 Master of science in inorganic chemistry first year
Faculty of Science-University of Yaoundé I
Yaoundé, Cameroon
With Highest Honours
- 2019 – 2020 Bachelor's degree in chemistry
Faculty of Science-University of Yaoundé I
Yaoundé, Cameroon
With High Honours

PROFESSIONAL EXPERIENCE

- June 2023 - June 2024 App development consultant – “KAURI-Concours MD” application
(available on Appstore and playstore)
Designing the database of chemistry questions with their
solutions to train users to the medical examination of ARES-
Belgium.
Engaging with users of the application to address their chemistry-
related queries.
- June 2022 - June 2023 App development consultant – “Digiskul” application
(available on Appstore and Playstore)
Designing the database of chemistry questions with their
solutions to train users to the medical entrance examination of
Cameroon.

SKILLS

- *Synthesis of molecular precursors*
- *Surfaces functionalization*
- *Nanofluids formulation*
- *Electrochemical measurements: LSV,CV,EIS, chronopotentiometry*
- *UV-vis Spectroscopy analysis*
- *X-ray Fluorescence analysis*

LANGUAGES

French 

English 

SOFTWARE

- *Office Software package*
- *Origin Pro*
- *X'PertHighScore plus*
- *Chemdraw*

PERSONNALITY

- *Strong work ethic*
- *Critical thinking*
- *Adaptability*
- *Very motivated*
- *Welcome pressure*
- *Multitasker*
- *Manage time and tasks well*

RESEARCH PROJECTS

- **PhD thesis project: Synthesis and characterization of heterometallic molecular precursors combining potassium with niobium and/or tantalum for the production of piezoelectric films.**
Molecular precursor, heterometallic precursor, CVD, Thin films,
2024-2027
- **Master thesis project : Effects of olive oil and shea butter as natural additives in the synthesis of iron (II/III) oxides nanoparticles by co-precipitation for the formulation of nanofluids**
Surface modification, coprecipitation method, nanofluid formulation
2022-2023
- **DIPES II thesis project : Synthesis and characterization of simple and mixed malonates of zn(II) and fe(III) as metal- organic precursors for the obtention of simple and mixed Zn-Fe oxides for electrocatalytic applications.**
Design of metal-organic molecular precursor, metal oxides, electrochemical methods
2021-2022

Articles

Nanoarchitectonics with Fe-doping on the optical and electrocatalytic properties of ZnO prepared by the malonate coprecipitation route: Application in the hydrogen evolution reaction
<https://doi.org/10.1016/j.jallcom.2024.176979>

CONFERENCES

- **Conference EGC6 : scientific forum Entangling Geosciences and Chemistry in Cameroun - Sixth Edition**
October 24-26th, 2024
2nd Prize best Oral presentation award