

KEUSRA ARMEL GOMPOU

M.Sc. In Energy and Green Hydrogen



Date & place of birth 14 January 1998 in Attecoube
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PROFESSIONAL EXPERIENCE

- Apr 2023 - Aug 2023 **Forschungszentrum Jülich GmbH**, Germany, Institute of Energy and Climate Research (IEK-13) | **Student assistant** (Artificial Intelligence and PEM electrolyzer)
- Machine and Deep Learning techniques in energy materials science
 - Electrochemical energy devices, especially proton exchange membrane electrolyzer
 - Computer vision and image analysis
 - Scientific writing, presentation, and discussions





EDUCATION

- Nov 2021 - Sep 2023 **International Master's Degree in Energy and Green Hydrogen**
Specialty: **Green Hydrogen Production and Technology**
Felix Houphouet Boigny University / WASCAL Abidjan, Cote d'Ivoire
RWTH Aachen University / Forschungszentrum Jülich, Germany
Abdou Moumouni University / WASCAL Niamey, Niger
- Nov 2017 - Oct 2020 **Bachelor's Degree in Living Science**
Specialty: **Biochemistry and Genetics**
Felix Houphouet Boigny University, Cote d'Ivoire
- Aug 2017 **Senior High School Diploma**
Abengourou Modern High School, Cote d'Ivoire

PROFESSIONAL TRAINING

- Jul 2023 - Aug 2023 **Basic German Course**
Forschungszentrum Jülich GmbH, Germany
- May 2023 - Jun 2023 **Introduction to Supercomputing at JSC Theory and Practice**
Forschungszentrum Jülich GmbH, Germany | Online
- Jun 2021 - Sep 2021 **English Proficiency Course**
University of Cape Coast, Ghana
- Fev 2021 - Apr 2021 **Biomass and Green Chemistry**
University of Liège, Belgium | Online

FOREIGN LANGUAGES

- French 
- English 
- German 
- Spanish 

COMPUTER SKILLS

- Microsoft Office
- Python
- Mendeley
- Overleaf
- Label Studio
- Deep Learning models training (UNet, Stardist, and YOLO V8)

ORGANIZATIONS / CONFERENCES

Sep 2022 - Present	Member of the West African Green Energy Development Organization (WAGEDO)
Nov 2020 - Present	Member of U-Report Cote d'Ivoire
Jul 2023	Poster presentation at the European Electrolyzer and Fuel Cell Forum Lucerne, Switzerland Theme: Hydrogen and Africa: youth awareness is key
Mar 2023	Participation in the Youth Empowerment in Climate Action Platform (YECAP) Forum Online Theme: Road to 10 th APFSD: Regional Dialogue on Youth Empowerment in Climate Action
Fev 2023	Presentation at the Espace NEXUS Seminar Abidjan, Cote d'Ivoire Theme: Potential of Renewable Energy Resources for Green Hydrogen Production in Cote d'Ivoire

OTHER SKILLS

Conducting literature studies and planning research

Effective communication within an interdisciplinary research team

Sizing of solar water heater and PV systems (academic level)

Designing energy project using RETScreen Expert (academic level)

Programming with R (academic level)

PUBLICATION

Scientific article under reviewing process

Title: Deep Learning-Enhance Characterization of Oxygen Bubble Dynamics in Proton Exchange Membrane Water Electrolyzers

Editorial office: Digital Discovery

Abidjan, 11.12.2023

