



Zakaria KHARBOUCH

A graduate of Mohammed VI Polytechnic University, I have specialized throughout my career in Chemical sciences. Creative, Rigorous, and versatile, I am ready to fully invest myself in the responsibilities that will be assigned to me.

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- Moroccan
- Date of birth 26/11/1996
- Single

SKILLS

Chemical Synthesis
Crystallography
Homogeneous,
Heterogeneous Catalysis
Laboratory
Skills Fast
Learning
Autonomy
Curiosity
Creativity
Team Spirit
Innovation
Smart
Working

COMPUTER SKILLS

C++
Advanced
Microsoft
Office Nemrod
JMP
Crystal Maker
UniSim
Designe
Demeter
LabVIEW

LANGUAGES

Arabic
Mother Tongue
English
Advanced
French
Advanced

VOLUNTARY

EXPERIENCE

Member

- El Gara - From 2010 to 2014

Member

National Association for
Education and Culture
- El Gara - From 2012 to 2014

SOCIAL NETWORKS

[@Zakaria](#)
[Kharbouch](#)

EDUCATION

Master's degree "Chemical Sciences and Valorization of Natural Phosphates"

Mohammed VI Polytechnic University - Benguerir - From 2018 to 2020

Grade : **Good**

Certificate of participation

Mohammed VI Polytechnic University (UM6P) - Benguerir - November 2018

Event "Phosphate Days 2018 - International Conference for Research on Phosphate and Derivatives".

Bachelor's degree in fundamental chemistry

Chouaib Doukkali University - El Jadida - From 2015 to

2018 Grade : **Good**

High School Diploma of Science, option: Physics/Chemistry

Othman Ibn Affan High School - El Gara -

2015 Grade: **Very Good**

WORK EXPERIENCE

End-Of-Study Project

Mohammed VI Polytechnic University, CBS department - Benguerir

- From April 2020 to November 2020

Mission: Synthesis and characterization of new solid electrolytes based on polymers and phosphate materials

- Synthesis of a composite polymer electrolyte, and using it in a prototype battery
- Evaluation of its performances with electrochemical tests and the results were very promising
- Writing a report of 50 pages in French and giving a presentation in English, which was very appreciated by the jury

Trainee Researcher

Mohammed VI Polytechnic University MSN department - Benguerir

- From June 2019 to July 2019

Mission: Synthesis and characterization of a polymer electrolyte for lithium-based batteries, in order to change the liquid electrolyte by a solid polymer to solve the security problems.

- Preparation and synthesis of the polymer, and electrodes; (use of the electric grinder)
- Characterization of the polymer by IR, ATG, DSC, and mechanical traction
- Writing a report in French of 25 pages and presentation in English

Bibliographic Internship

Chouaib Doukkali University - El Jadida - 2018

Subject: Double lamellar hydroxides

INTERESTS

Theater

Actor In a short film "Revealing the mask" (in Arabic) in 2018 and winning first place in "student creativity days" at Chouaib Doukkali University

Entrepreneurship

Co-founder of the start-up Repa-BSF

Sports

Martial Arts

- **Full contact:** (Champion of Morocco in full contact in 2010)
- **Karate:** Black belt in

2008 **Football:** watch and

practice **Reading**

Philosophy, novels in Arabic and English

Writing