



Mohammed AL-ABDALI

Date of birth: 26/09/1994 | **Nationality:** Yemeni | **Gender:** Male | (+33) 621803436 |

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● WORK EXPERIENCE

07/09/2020 – CURRENT – Amiens, France

RESEARCH AND DEVELOPMENT CO-OP – LABORATOIRE DE RÉACTIVITÉ ET CHIMIE DES SOLIDES (LRCS)

Developing of Machine Learning algorithms in Python to analyze the characterization results of Lithium-ion Batteries, and using the analysis results to understand and improve the batteries.

Developing of computational models to simulate the structure of the electrodes.

Researching the expansion phenomena of Si nanoparticles in blended electrodes.

01/07/2018 – 27/07/2018 – Kocaeli, Turkey

PETROLEUM PRODUCTION ENGINEERING INTERN – TÜPRAŞ (İZMIT REFINERY)

Operated and maintained Hydrogen production unit for the petroleum refinery.

Worked with engineers and technicians to manage day-to-day operations, with a strong focus on safety.

Analyzed flow assurance issues, determined appropriate mitigation measures and controlled production chemistry issues such as scaling and corrosion.

Prepared and performed presentations explaining the unit's function and processes to engineers and co-interns.

25/09/2017 – 15/06/2018 – Kocaeli, Turkey

UNDERGRADUATE RESEARCHER – KOCAELI UNIVERSITY

Researched Chitosan Silica Hybrid Membrane in order to create a cost-effective separation system for DMC/MeOH mixtures.

Operated Chitosan Silica Membrane at different conditions and configurations, determining the best performance.

Used laboratory equipment to determine the flux and the separation factor of the developed membrane which influence the process.

Calibrated equipment, such as pervaporation distillation column.

11/06/2017 – 30/06/2017 – Kocaeli, Turkey

QUALITY CONTROL ENGINEERING INTERN – İGSAŞ

Used quality laboratory equipment and instrumentation, including isolating environmental samples, performing assays, and identifying samples.

Prepared, analyzed, and tested output fertilizing commodities of the factory.

Researched, prepared, and presented detailed reports and papers. Lead and organized project groupwork for the interns

04/01/2016 – 11/03/2016 – Lisbon, Portugal

RESEARCH INTERN – ISEL

Researched numerous commodities to measure the salt content.

Performed various analysis techniques to increase the accuracy of the results for different samples.

● EDUCATION AND TRAINING

16/09/2019 – CURRENT – Amiens, France

M.SC. IN MATERIALS FOR ENERGY STORAGE AND CONVERSION (EMJMD MESC+) – Université de Picardie Jules Verne

MESC+ masters program in Materials Science and Chemical Engineering within 7 universities that host world-renowned leading research laboratories in the field of Energy-related materials.

Graduated in July 2018, GPA of 3.39/4.00, Erasmus+ alumnus in **ISEL** (Portugal), 2015- 2016

● LANGUAGE SKILLS

Mother tongue(s): ARABIC

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C2	C2	B2
TURKISH	C1	C1	C1	C1	C1
FRENCH	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Programmin language PYTHON | Machine Learning libraries Scikit-Learn Tensorflow Keras Scipy

● HONOURS AND AWARDS

Honours and awards

Erasmus Mundus Scholarship for graduate studies.

Graduated with Departmental Honors.

Selected for Deans High Honor Roll for 2nd, 3rd and 4th years for achieving outstanding GPA.

Türkiye Scholarships

● ORGANISATIONAL SKILLS

Organisational skills

Industrial design project team leader, Feb. 2018 - June 2018

Active member, IAESTE, Sep. 2017 – July 2018

Orientation Group Leader, Sep. 2014 – July 2018.

Active member, Kocaeli Yemeni students' association, 2013 – Present