



NASSIM ALDAHER

Nationality: Syrian

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• ABOUT ME

A mechanical engineer specializing in metallurgy with extensive scientific experience in the field of metallurgy and engineering materials, holder of a master's degree in materials science and engineering, a teacher of many subjects and courses for mechanical engineering students at the university, and keen on science and the latest updates in the field of materials science and engineering, and lover of learning in the rest Fields such as medical and petroleum engineering and computer engineering programs, so I work in these fields as well.

• EDUCATION AND TRAINING

Academic Master in Materials science and Engineering

Faculty of Mechanical and Electrical Engineering – Lattakia University [28/11/2016 – 20/9/2021]

Address: East of the city of Latakia, the center of Latakia Governorate on the Mediterranean coast in Syria.

<http://www.tishreen.edu.sy/faculty/tech/mae-eng>

Final grade : 83.26

Thesis: Improving mechanical properties (impact strength and wear resistance) of drilling teeth steel and breakers hammers

Academic Internship

The laboratories of the Faculty of Mechanical and Electrical Engineering at the University of Al-Baath (Homs) and Tishreen (Lattakia), in addition to the industrial of the industrial city in Hisiya (Homs).

Bachelor of Metallurgy Engineering

Faculty of Mechanical and Electrical Engineering - Al-Baath University [27/11/2011 – 27/11/2016]

Address: Damascus - Aleppo highway , Homs (Syria)

<http://mec.albaath-univ.edu.sy/>

Final grade : 80.92 (2nd place in my class) (Two certificates of excellence from Al-Baath University).

Thesis : Modeling and simulation of ABB robot (Matlab, Solidwork, Laser technology, Metal cutting)

- **WORK EXPERIENCE**

Melting and Casting Engineer

International Company of Steel Rolling (ICSR) [27/4/2017 – 27/10/2018].

Address: The industrial city of Hisiya - Homs-Damascus Road.

City: Homs

Country: Syria

Name of unit or department: Melting and Casting

The melting and casting engineer supervises the processes of melting scrap metal within induction furnaces and pouring molten metal into molds to obtain the required products. He also supervises the conduct of post-casting operations such as cleaning, cutting and operating.

Welding Engineer

Wdrvm [19/11/2016 – 15/4/2017].

Address: The industrial city of Hisiya - Homs-Damascus Road.

City: Homs

Country: Syria

Name of unit or department: welding and manufacturing

The welding engineer supervises the metal welding processes, the manufacturing method of the wind turbine tower, and the welding of the tower parts to each other. He also performs non-destructive tests on welding and formally characterizes this welding.

Professionally session

Professionally session for welders in Alwaleed company for one month [10/3/2015 – 10/3/2016]

Address: Karm Alshamee - Homs.

City: Homs

Country: Syria

Name of unit or department: welding

- **LANGUAGE SKILLS**

Mother tongue (s):

Arabic

English

B1

- **DIGITAL SKILLS**

Project in reverse engineering in the medical field ((Sheet metal molding using SPIF technology for use in orthopedic skull designs)) [20/5/2020-20/7/2021]

Address: Faculty of Mechanical and Electrical Engineering - AL Baath University

City: Homs

Country: Syria

Name of unit or department: Design and production engineering

Project in oil drilling machines and petroleum industries Drilling fluids [2020]

Homs Refinery - Ministry of Oil and Mineral Resources – Syria

International Computer Driving Licence (ICDL) Certificate [27/1/2018]

Standard ICDL V6 – Serial Number: **SY18004382**

Certificate in Computer Numerical Control (CNC) [28/9/2015 – 8/10/2015]

Address: Faculty of Mechanical and Electrical Engineering - AL Baath University

City: Homs

Country: Syria

Name of unit or department: Design and production engineering

An educational course in Matlab and Solidworks [1/4/2014-1/12/2015]

Address: Faculty of Mechanical and Electrical Engineering - AL Baath University

City: Homs

Country: Syria

Name of unit or department: Design and production engineering

Certificate in Logical thinking and logical fallacies.

(Francophone university agency and skills & career center at Al baath university)

City: Homs

Country: Syria

Certificate in Resources and tools for scientific research on internet.

(Organized by the Francophone university agency at Al baath university)

City: Homs

Country: Syria

Certificate in self marketing.

(Francophone university agency and skills & career center at Al baath university)

City: Homs

Country: Syria

Certificate in thinking skills.

(Francophone university agency and skills & career center at Al baath university)

City: Homs

Country: Syria

A document for attending a production camp at the Syrian Oil Transport Company in Baniyas for a period of 16 days.

Maintenance of lines, tanks, valves, maintenance, and engines

City: Tartous

Country: Syria

- **SCIENTIFIC RESEARCH**

Improving mechanical properties (impact strength and wear resistance) of drilling teeth steel and breakers hammers

[Study of corrosion in heat exchangers in reheating furnaces in iron rolling furnaces](#)

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[Improved mechanical properties \(impact strength and wear resistance\) of drilling teeth steel and breakers hammers](#)

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- **DEPARTMENTS I TEACH IN AL BAATH UNIVERSITY :**

[Metallurgy Engineering](#) (Heat treatment, welding, Corrosion and Wear, Forming of metals, Cnc, Metallurgy, elements of machine, Surface Engineering, Casing, Engineering mechanics, static movement, Destructive and non-destructive tests for metals, working of metal).

[Petroleum Engineering](#) (Drilling engineering and mechanics, drilling fluids, rock breaking, layer physics).

[Mechatronic Engineering](#) (Robot, PLC, Sign and Image Processing, Heating and air conditioning, artificial intelligence, microcontrollers, Renewable energies (solar, wind...)).