



# Athil Al-Ezzi

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**Date of birth:** 19/12/1983 | **Nationality:** Iraqi | **Gender:** Female |

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<https://scholar.google.com/citations?user=CufdjVYAAAAJ&hl=en&oi=ao> |

athilsajid@gmail.com | 32001, Diyala, Iraq

## WORK EXPERIENCE

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2016 – CURRENT

**ENGINEERING LECTURER** – FACULTY OF ENGINEERING, UNIVERSITY OF DIYALA

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**Address** Diyala, Iraq

2007 – 2014

**SCIENTIFIC LABORATORY TECHNICIAN** – FACULTY OF ENGINEERING, UNIVERSITY OF DIYALA

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**Address** Diyala, Iraq

## EDUCATION AND TRAINING

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2015 – 2016 – Sheffield, United Kingdom

**MASTER'S DEGREE IN ADVANCED MATERIALS ENGINEERING** – Sheffield Hallam University

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**Address** Sheffield, United Kingdom | **Level in EQF** EQF level 7

2001 – 2005 – Baghdad, Iraq

**BACHELOR'S DEGREE IN MATERIALS ENGINEERING** – University of Technology

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**Address** Baghdad, Iraq | **Level in EQF** EQF level 6

06/2016 – Sheffield, United Kingdom

**CERTIFICATE OF TRAINING IN EFFECTIVE TOOLS AND STRATEGIES FOR TIME MANAGEMENT AND NOTES MANAGEMENT** – University of Sheffield

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**Address** Sheffield, United Kingdom

06/2016 – Sheffield, United Kingdom

**CERTIFICATE OF TRAINING IN EFFECTIVE TOOLS AND STRATEGIES FOR ENTERPRISES AND PROJECTS MANAGEMENT** – University of Sheffield

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**Address** Sheffield, United Kingdom

## ● LANGUAGE SKILLS

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Mother tongue(s): **ARABIC**

Other language(s):

**ENGLISH**

## ● PUBLICATIONS

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### Publications

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- Al-Ezzi, Athil S., and Mohamed Nainar M. Ansari. "Photovoltaic Solar Cells: A Review." *Applied System Innovation* 5.4 (2022): 67.
- Shehab, Abeer, Athil Al-Ezzi, and Ali Al Katawy. "Analysis and Microhardness Profile of Hot Dipping Coating on Low-Alloy Steel." *Surface Review and Letters* 28.03 (2021): 2050059.
- Shehab, Abeer, Iman M. Naemah, Abbas Al-Bawee, and Athil Al-Ezzi. " Hole Characteristic of CO2 Laser Drilling of Poly- Methyl Methacrylate PMMA." *Journal of Mechanical Engineering Research and Developments* 43, no. 3 (2020): 186-196.
- Al-Ezzi, Athil, Abbas Al-Bawee, Feryal Dawood, and Abeer A. Shehab. "Effect of Bismuth Addition on Physical Properties of Sn-Zn Lead-Free Solder Alloy." *Journal of Electronic Materials* 48, no. 12 (2019): 8089-8095.
- Al-Ezzi, Athil, and Abeer A. Shehab. "Effect of Heat Treatment on the Microstructure and Property of Aerospace Punch Dies." *Metallography, Microstructure, and Analysis* 8, no. 3 (2019): 314-328.
- Al-Ezzi, Athil S., Agadeer A. Abass, Ali A. Al Katawy, and Ahmed Ali Hussein Al-Habeeb. "Development of an efficient technical product for accessing water in refugees' camps." *Health and Technology* 9, no. 2 (2019): 185-194.
- Al-Ezzi, Athil, and Agadeer Abass. "Selecting the Most Suitable Material for Punch Dies Using CES EduPack." In *2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)*, pp. 1-6. IEEE, 2018.
- Al-Bawee, Abbas, and Feryal Dawood. "Athil Al-Ezzi. Influence of Aluminum Addition on the Structural and Physical Properties of Tin-Antimony Alloy." *Mat Sci Ind J* 16, no. 2 (2018): 133.
- Al-Ezzi, Athil. "The market of solar panels in the United Kingdom." *Applied Solar Energy* 53, no. 1 (2017): 78-84.

## ● NETWORKS AND MEMBERSHIPS

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### Memberships

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- 2017- present: A Member of Iraqi Engineers Association, Diyala (Iraq).
- 2016– 2017: A Member of Iraqi Students Society, Sheffield (United Kingdom).

## ● PROJECTS

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### Supervising

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Supervising undergraduate student projects for Five years.

## ● HONOURS AND AWARDS

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### Job-Related Certificates and a Postgraduate Scholarship

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- 2016- 2020: Job-Related Certificates of Appreciation:

- Researcher Certificates of Appreciation, University of Diyala/ Iraq.

- Employee Certificates of Appreciation, University of Diyala/ Iraq.

- 2014- 2016: A Postgraduate Scholarship, Sheffield Hallam University/ United Kingdom.

## ● **ORGANISATIONAL SKILLS**

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### **Recommendations**

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Provide some recommendations for engineering manufacturing companies of solar cells on their solar investment, identify their competitors and initial customers and financially demonstrate the effect of the market on their investment.

## ● **JOB-RELATED SKILLS**

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### **Job-related skills**

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- Research experience in preparing, interpreting, and analyzing microstructures in engineered materials, to better understand materials' behaviour and performance.
- Practical knowledge in metallography and microscopy investigation techniques which aid in the analysis of microstructures and structural properties in metals, alloys, ceramics and building materials.
- Involvement in methods for evaluating the physical properties (thermal and electrical) of metallic materials.
- Expertise in property- profiles and economic factors that influence materials selection for engineering design.
- Familiarity with many engineering software such as ABAQUS, CES EduPack, ImageJ, MATLAB, COMSOL Multiphysics, etc.

## ● **OTHER SKILLS**

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### **Other skills**

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- Student Writing Support (help undergraduate students with writing their graduation projects).
- A Volunteer Driving Supervisor (help women gain experience on the road).