

# Curriculum vitae



## PERSONAL INFORMATION **Atheer Saad Hashim**

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## WORK EXPERIENCE

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19 Dec 2016–Present **Engineering lecturer**

College Of Water Resources Engineering, Al-Qasim Green University, Al Qassim (Iraq)

I am a lecturer in the Department of Water Resources Management Engineering, participated in courses such as Numerical and Engineering Analysis, Heat transfer, Strength of Materials, Engineering Mechanics, Workshops, Principle of Computer Programming, English Language.

17 Oct 2017–31 Dec 2018 **Undergraduate Students Coordinator**

College of Water Resources Engineering, Al-Qasim Green University, Babil (Iraq)

I was nominated as a student coordinator as well as to manage a scientific department temporarily for a year and then I was awarded a certificate of appreciation for the successful completion of the mission.

20 Nov 2015–18 Dec 2016 **Assistant lecturer**

College of Engineering, University of Al-Qadisiyah, Diwaniya (Iraq)

I was the deputy official in Quality Assurance and University Performance Division in the college. Besides, I was an assistant lecturer in the mechanical engineering department, participated in modules such as Heat transfer, Engineering Mechanics, Workshops, Principle of Computer Programming, English Language.

13 Jul 2010–10 Dec 2013 **Mechanical engineer**

Al -Hafidh Concord Factory, Ministry of Municipalities and Public Works, and STX Power Plant (Operator for Heavy Fuel Oil powered engines, monitoring the engines, reporting engine problems, and engine inspection)

Jan 2020–Present **Unit official of E-Learning, Al Qassim (Iraq)**

Crisis management and a certified trainer in e-learning in College Of Water Resources Engineering, Al-Qasim Green University

## EDUCATION AND TRAINING

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22 Feb 2017–10 Apr 2017 **Teaching methods course**

AL-QASIM Green University, Al Qassim (Iraq)

I participated in the teaching methods course, passed with (87/100), and ranked as the (2nd) out of (27) Participates.

22 Sep 2014–30 Sep 2015

University of Nottingham / Department of Mechanical, Materials and Manufacturing Engineering  
MSc. Mechanical Engineering, Nottingham (United Kingdom)

It was a scholarship awarded by the Higher Committee for Education Development in Iraq, the candidates are chosen through a strong and determined competition based on academic, cognitive, and personal qualifications.

**The granted average of** (70.8%) Distinction UK Grade, Very Good (85.41%) Iraqi equivalency Grade, and ranked as the (6th) out of (26) students in the department.

**Modules include:**

**Advanced** Engineering Research Project Organization and Design; **Advanced** Technology Review; **Computational** Fluid Dynamics; **Computer** Modeling Techniques; **Finite** Element Analysis; **Heat** transfer; **Integrated** Systems Analysis; **Joining** Technology; **Lean** manufacturing; **Material** Models & Modes of Failure; **Processing** of Engineering Alloys; **Surface** Engineering Technology

**Dissertation:** "Modelling Fracture of Aged Graphite Bricks under Radiation and Temperature"

1 Oct 2007–13 Jul 2011

University of Al-Qadisiyah / College of Engineering / Department of Mechanical Engineering  
BSc. Mechanical Engineering, Diwaniya (Iraq)

**The granted average of** (71.209 % )( good level) and ranked as the second out of (34) students in the department.

**Main modules included:**

**Computer** Programs I, II; **Control** Engineering And Measurements; **Design** of Machines Systems; Electrical Mechanic I, II; **Engineering** Materials; **Fluid** Mechanics I, II; **Heat** Transfer; **Internal** Combustion Engine; **Numerical** and Engineering Analysis; **Refrigeration** and Air Conditioning; **Strength** of Materials; **Theory** of Machines; Thermodynamics

**BSc Research Project** "Design of Two Input Transmissions Using Fuzzy Logic in MATLAB, Report for BSc. in Mechanical Engineering"

Jul 2010–Aug 2010 Visiting Student  
Damascus University, Damascus (Syria)

Because of my qualifications, I was nominated for engineering training before entering the last class during my Bachelor's degree.

1 Oct 2006–1 Jul 2007 First Class

University of Al-Qadisiyah / College of Science / Department of computer science, Diwaniya (Iraq)

Passing as an outstanding student in the first class in the Department of Computer Science with the rank of the first out of (30) students in the department and thus qualifies me to join the Faculty of Engineering according to the laws of the ministry as a reward.

**Main modules included:**

C ++ Programming; **Computer** Fundamentals; **Database** and Interfaces; **Languages** and Computation; **Mathematics** for Computer Scientists; **Operating** Systems and Concurrency; **Programming** and Algorithms.

**COMMUNICATION SKILLS**

Because of my volunteer activities, training courses, and communication skills, I have many acknowledgments, thirteen from the Chancellor, four from the vice-chancellor, more than twenty from the Dean, and three from outside the university. Also, I gained many certificates of appreciation.

**ORGANIZATIONAL / MANAGERIAL SKILLS**

Member in:

- The Iraqi Engineers Syndicate, Iraq, since Feb. 2012
- The Iraqi Students Society, UK, since Jan. 2016

**JOB-RELATED SKILLS**

I am a scientific reviewer and have many publications in Scopus. In addition, I have been responsible for and participating in most activities of students in the department. I have participated in many scientific and cultural seminars, workshops, and seminars and held the leadership and membership of several academic and administrative committees within the university.

I have been skilled in using computer software and a specialist in E-learning. Therefore, with the beginning of the spread of Corona-virus in the world, I was chosen to be the official of the E-learning unit in the college. I have prepared and produced a video series "Literacy for E-learning". Many teaching staff and students in various Iraqi universities approved the series.

<https://www.youtube.com/playlist?list=PL0S07cYAbE8tp7cZAf6WSNznJFap1Ecn4>

**COMPUTER SKILLS**

**Computer programming and Data Processing:** MathWorks - MATLAB & Simulink

**FE Simulation:** Moderate skill in Ansys, Abaqus CAE, and Comsol multiphysics

**Office Suite:** Microsoft Office Specialist

**Photo editing:** Most of Photo and Video Editing Software

**Others:** Moderate skill in Solidwork, AutoCAD, Mathcad

**CERTIFICATES**

- TOEFL ITP
- Centre for English Language Education (CELE) in UK
- CEFR Language Self-Assessment

## Publications

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Abd, A. A. et al. (2020) 'Carbon dioxide removal through physical adsorption using carbonaceous and non-carbonaceous adsorbents: A review', *Journal of Environmental Chemical Engineering*. doi: 10.1016/j.jece.2020.104142.

Abd, A. A., Naji, S. Z. and Hashim, A. S. (2019) 'Failure analysis of carbon dioxide corrosion through wet natural gas gathering pipelines', *Engineering Failure Analysis*, 105. doi: 10.1016/j.engfailanal.2019.07.026.

Abd, A. A., Naji, S. Z. and Hashim, A. S. (2020) 'Effects of non-hydrocarbons impurities on the typical natural gas mixture flows through a pipeline', *Journal of Natural Gas Science and Engineering*. doi: 10.1016/j.jngse.2020.103218.

Naji, S. Z., Abd, A. A. and Hashim, A. S. (2019) 'Tracking boil off gas generation into liquefied natural gas supply chain using HYSYS simulator', in *IOP Conference Series: Materials Science and Engineering*. doi:10.1088/1757-899X/579/1/012019.

Abdulsahib, A. D., Hashim, A. S., Al-Farhany, K., Abdulkadhim, A., & Mebarek-Oudina, F. (2022). 'Natural convection investigation under influence of internal bodies within a nanofluid-filled square cavity', *The European Physical Journal Special Topics*. <https://doi.org/10.1140/epjs/s11734-022-00584-9>.

Rashid, H. K. et al. (2021) 'Free Convection of Ag / H<sub>2</sub>O Nanofluid in Square Cavity with Different Position and Orientation of Egg-Shaped Cylinder', *Journal of Engineering and Technological Sciences*, doi: 10.5614/j.eng.technol.sci.2021.53.4.9.

Almensoury, M. F. et al. (2021) 'Numerical Investigation of Natural Convection for a non-Newtonian Nanofluid in F-Shaped Porous Cavity', *Heat Transfer*, doi: 10.1002/htj.21984.

Hashim, A., Kyaw, S. and Sun, W. (2017) 'Modelling fracture of aged graphite bricks under radiation and temperature', *Nuclear Materials and Energy*, 11, doi: 10.1016/j.nme.2017.03.038.

Hashim, A. S. et al. (2020) 'Multiscale Approach of the Equivalent Thermal Conductivity of Modified Foam-Filled and Non-Filled Hollow Brick and a Brick Wall', *Journal of Thermal Engineering*. doi: 10.18186/thermal.847754.

Hashim, A. S., Jabeer, M. H. and Esmail, E. L. (2011) Design of Two Input Transmissions Using Fuzzy Logic in MATLAB, Report for BSc. in Mechanical Engineering.

Hussein, E. S. and Hashim, A. S. (2018) 'Numerical simulation of two –phase flow with hydraulic jump', *International Journal of Mechanical Engineering and Technology*, 9(470–486).

Nehad, A. A. H. et al. (2019) 'Analytical study of effecting labyrinth seal geometry on stability of rotor system by using bulk flow mode', *International Journal of Mechanical and Mechatronics Engineering*.

Abdulrazzaq, R. M. W. and Hashim, A. S. (2019) 'Employ GIS data to update the map of the college of water resources engineering using aerial and satellite images', *Iraqi Journal of Science*, 60(4). doi: 10.24996/ijs.2019.60.4.25.