**curriculum vitae**

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| **The personal data**    Picture | |
| **Full name** | Qahtan Adnan Abed |
| **Date of birth** | 10-09-1977 |
| **Title / workplace** | Assistant Professor |
| **Mobile phone** | +9647811607580 |
| **Email** | [qahtan.abed@etcn.edu.iq](mailto:qahtan.abed@etcn.edu.iq) & [q.alftlawe@gmail.com](mailto:q.alftlawe@gmail.com) |

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| **Academic Qualifications** | | | | |
| **Qualification** | **University Name** | **Field- Specialization** | **Location / Country** | **Graduation Year** |
| BSc | Technology University of Baghdad | General Mechanical Engineering | Baghdad/ Iraq | 2000 |
| MS | Technology University of Baghdad | Thermal Mechanics/ Solar Energy | Baghdad/ Iraq | 2007 |
| Ph.D | [Politehnica University of Bucharest](https://upb.ro/en/) | Thermal Mechanics/ Solar Energy | Bucharest/ Romania | 2016 |

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| **Scientific expertise** | | |
| **Jobs and positions that work out** | **From**  **the date - to date** | **Review of the main tasks of the job or position** |
| Quality assurance and university performance Unit | 1/9/2009- 13/1/2013 |  |
| Head of Leaser and Electro Optics Department | 15/9/2017- 16/9/2018 |  |
| Studies and Planning | 2018/9/17 |  |

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| **Research Interest Areas** | |
| Heat transfer, [Engineering Thermodynamics](https://www.researchgate.net/topic/Engineering-Thermodynamics), Fluid flow, Solar energy and Renewable energy |  |

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| **Supervision of M. Sc. Students** | | |
| **Title of M.Sc Thesis** | **From**  **the date - to date** | **Name of student and the position of the work** |
| ***Experimental and Numerical Study of Solar Air Collector Absorber Integrated with Phase Change Material PCM*** | 2016-2019 | Ali Mohammed Hayder |
|  | 2019- 2018 | Mohammed Ridha |
|  | 2019- 2018 | Jameel Tawfiq |

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| **Scientific Activities and literature and published research (Book - Journal - Conference)** | | | |
| **No.** | **Research Title** | **Publisher** | **Date of Publishing** |
| 1- | ***Review of solar thermal storage techniques.*** | ARPN Journal of Engineering and Applied Sciences. ISSN 1819- 6608, vol 12, No.21. | 2017. |
| 2- | ***Performance of a hybrid solar collector system in days with stable and less stable radiative regime***. | International Journal of Sustainable Engineering, DOI: 10.1080/19397038.2017.1333542 (2017) 1-14. | 2017 |
| 3- | ***The stability of the radiative regime does influence the daily performance of solar air heaters*** | Renewable Energy 107 (2017) 403-416. | 2017 |
| 4- | ***Dynamic thermal performance analysis of two solar air collectors with and without porous media.*** | Renew. Energy Environ. Sustain. 1, No 24, (2016). | 2016 |
| 5- | ***Models for New Corrugated and Porous Solar Air Collectors under Transient Operation.*** | *J. Non-Equilib. Thermodyn. 42(1), pp. 79-97. Retrieved 1 Jul. 2017, from doi:10.1515/jnet-2016-0013.* | 2017 |
| 6- | ***Hybrid solar collector for water and air heating: effects of storage tank volume and air channel shape on efficiency****.* | U.P.B. Sci. Bull., Series D, Vol. 77, Iss. 3, 2015; pp. 29- 40. | 2015 |
| 7- | ***Experimental study of a solar concatenated parabolic dish system generating fresh water***. | Al-Taqani, Refereed scientific Journal. Foundation of technical education. Vol. 25; 2012, No.3. pp.7 -26. | 2012 |
| 8- | ***Numerical analysis of vapor flow in a horizontal cylindrical heat pipe.*** | Al- Qadisiya Journal for engineering sciences, Vol. 4; 2011, No.3, pp. 233 | 2011 |
| 9- | ***Thermal analysis of light weight wall made from sandwich panels in the aspect of thermal insulation design for sustainable built environment regime***. | 6th International conference on Thermal Equipment, Renewable Energy and Rural Development. Organizers: University Politehnica of Bucharest, TE-RE-RD 2017. | 2016 |
| 10- | ***Performance study of solar air heater with corrugated absorber.*** | F.T.E Scientific International Conference, Najaf Technical Collage 12-14/4/2010. | 2010 |
| 11- | ***The performance of hybrid solar collector for water and air heating***. | EPI-60, International conference on Equipment Process Industrial, 16 Mai2014; pp.259- 264, Bucharest- Romania. | 2014 |
| 12- | ***Performance analysis of a hybrid water and air solar collector with rectangular fins****.* | 3rd International conference on Thermal Equipment, Renewable Energy and Rural Development. TE-RE-RD 12-14 June 2014; pp. 137-140, Mamaia- Romania | 2014 |
| 13- | ***Evaluation of various hybrid solar collector configurations for water and air heating****.* | 4th International conference on Sustainable Energy in the built environment- steps towards nZEB. Editor: Ion Visa, 6- 8 November 2014; pp. 325-334, Brasov- Romania. | 2014 |
| 14- | ***An experimental comparison between corrugated and porous plates of solar air heaters at various flow rates****.* | 4th International conference on Thermal Equipment, Renewable Energy and Rural Development. Organizers: University Politehnica of Bucharest. Faculty of Mechanical Engineering and Mechatronics – Faculty of Biotechnical Systems Engineering. | 2015 |
| 15- | ***Theoretical study the effect of insulation of water basin on the productivity of tubular solar still.*** | 5th International conference on Thermal Equipment, Renewable Energy and Rural Development. Organizers: University Politehnica of Bucharest (2016). | 2016 |
| 16- | ***Dynamic thermal performance analysis of two solar air collectors with and without porous media***. | 14th International conference on World Renewable Energy Congress 14- WREC XIV, 8 - 12 June 2015; Bucharest- Romania. Journal of Physics: Conference Series, IOP Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK | 2015 |
| 17- | ***Some Solar Energy Technologies and Applications***. | Chapter in: Energy science and technology, Volume 5: Solar Engineering-I (Applications). Studium Press LLC, USA (2015) ISBN: 978-1-626990-61-6. | 2015 |