

المعلومات الشخصية

الاسم الثلاثي واللقب	قصي كامل جاسم محمد العجيلي
اللقب العلمي	أستاذ مساعد
التولد	كركوك / 17-2-1984
الحالة الاجتماعية	متزوج - ثلاث اطفال
الوظيفية الحالية	أستاذ جامعي __ الجامعة التقنية الشمالية -- المعهد التقني الحويجة
المنصب	تدريسي
القسم	تقنيات ميكانيك القدرة
الفرع	توليد طاقة
E-mail	qusay_hwj@ntu.edu.iq
رقم الموبايل	07716315565- 07701293361

الشهادات الدراسية

بلد الدراسة	التخصص	تاريخ الحصول على الشهادة	الشهادة	الجامعة
العراق	هندسة ميكانيك	2008-2007	البكالوريوس	الموصل
العراق	قدرة حرارية	2011-2010	الماجستير	الموصل
العراق	موانع وحراريات	2023-2022	الدكتوراه	بغداد

الخطوط البحثية

- (1) انتقال حرارة (Heat Transfer)
- (2) ميكانيك الموائع (Fluid Mechanics)
- (3) الأوساط المسامية (Porous Materials)
- (4) الطاقات المتجددة (Renewable Energy)
- (5) الخلايا الكهروضوئية (Photovoltage Panels)
- (6) المواد متغيرة الطور (Phase Change Materials)

المناصب الادارية

المنصب	الموقع	السنة
رئيس قسم	المعهد التقني الحويجة	2020-2018

عضو المؤسسات المهنية

- (1) عضو نقابة المهندسين العراقيين فرع كركوك
- (2) عضو لجنة علمية في مجلة مينمار العالمية
- (3) عضو لجنة علمية (E-Palli (EIC في ماليزيا
- (4) عضو لجنة علمية (E-Palli (EIC في تركيا

الخبرات الاكاديمية والمهنية

- (1) تدريسي في جامعة كركوك – كلية الهندسة منذ 2011 الى 2016
- (2) تدريسي في جامعة تكريت \_كلية الهندسة منذ 2014 الى 2015
- (3) تدريسي في معهد تقني – كركوك قسم تقنيات ميكانيك القدرة منذ 2020 الى 2021
- (4) تدريسي في معهد تقني – حويجة قسم تقنيات ميكانيك القدرة منذ 2017 ومستمر

الشهادات التقديرية وكتب الشكر والتقدير






- (1) كتب شكر وتقدير من السيد وزير التعليم العالي والبحث العلمي .

- (2) كتب شكر وتقدير من السيد رئيس الجامعة التقنية الشمالية.
- (3) كتب شكر وتقدير من السيد رئيس جامعة كركوك.
- (4) كتب شكر وتقدير من عمادة كلية الهندسة جامعة كركوك.
- (5) كتب شكر وتقدير من عمادة كلية الهندسة جامعة تكريت.
- (6) كتب شكر وتقدير من عمادة المعهد التقني الحويجة.
- (7) شهادات وكتب تقدير من منظمات عالمية وعربية ومحلية.

### المؤتمرات العلمية

- (1) المؤتمر العلمي الأول للطاقت المتجددة في المعهد التقني الحويجة 2018
- (2) المؤتمر العلمي الثاني للطاقت المتجددة في المعهد التقني الحويجة 2022
- (3) المؤتمر العلمي الثاني الحكمة الدولي الثاني للعلوم الطبيعية والتطبيقية – كلية الحكمة الجامعة 2023
- (4) المؤتمر الدولي الرابع لتقنيات الهندسة المستدامة (ICSET 2022)
- (5) المؤتمر الدولي الأول لـ E-Palli (EIC) الدولية الثانية 2023 (EIC) المنعقدة في ماليزيا.
- (6) المؤتمر الدولي الثاني لـ E-Palli (EIC) الدولية 2024 (EIC) المنعقدة في النيبال.

### الحسابات الاكاديمية

 <a href="https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAAJ">Google Scholar Profile</a>	<a href="https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAAJ</a>
 <a href="https://www.researchgate.net/profile/Qusay-Kamil">ResearchGate Profile</a>	<a href="https://www.researchgate.net/profile/Qusay-Kamil">https://www.researchgate.net/profile/Qusay-Kamil</a>
 <a href="https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/">Publons Profile</a>	<a href="https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/">https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/</a>
 <a href="https://orcid.org/0000-0003-2189-5301">ORCID ID</a>	<a href="https://orcid.org/0000-0003-2189-5301">https://orcid.org/0000-0003-2189-5301</a>
 <a href="https://www.scopus.com/authid/detail.uri?authorId=57215832388">Scopus</a>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57215832388">https://www.scopus.com/authid/detail.uri?authorId=57215832388</a>

اللغات

1. العربية
2. الإنكليزية
3. الكردية والتركمانية

البرامج الهندسية

1. AUTO-CAD
2. SOLID WORK
3. PV SYSTEM
4. ANSYS
5. MICROSOFTWORD
6. MATLAB

النتائج العلمية المنشورة

- (1) Improving thermal performance using  $Al_2O_3$ -water nano-fluid in a double pipe heat exchanger filling with porous medium.
- (2) Nano-fluid convective heat transfer enhancement elliptical tube inside circular tube under turbulent flow
- (3) Experimental Study on Promoting The thermal Performance of a Forced Draft Counter Flow Evaporative Cooling Tower.
- (4) Experimental and Theoretical Study to Improve the Performance of Solar Cells by Evaporative Cooling in Iraq.
- (5) Experimental and theoretical study to improve the performance of splits in Iraq
- (6) Enhancement of evaporative cooling system in a green-house by geothermal energy
- (7) Effect of The Different Types of Dust on The Performance of Photovoltaic Panels in Iraq
- (8) Effect of Spray Angle and Flow Rate on Improving PV Panel Performance: Experimental and Theoretical Study
- (9) Analysis Study Of Boundary Layer Of Air Flowing On A Flat Plate
- (10) Photovoltaic Solar Chimney System: A Review
- (11) Photovoltaic Solar Chimney: An Experimental Study
- (12) Natural Convection in a Square Cavity Filled with Saturated Porous Media and Partially Heated From Below
- (13) The Impact of Alumina Nanoparticles Suspended in Water Flowing in a Flat Solar Collector
- (14) Simulation Study of Design and Modification of Spring Suspension System
- (15) Thermal performance of radiant floor cooling with phase change material for energy-efficient buildings.
- (16) Improving the performance of the direct and indirect evaporative cooling system: A review
- (17) In a Triangular Duct Filled with Porous Material, Convection Heat Transfer is Experimentally Investigated.

- (18) Improving the performance of the direct and indirect evaporative cooling system: An review.
- (19) Thermal performance of photovoltaic panels using phase-changing materials (PCM).
- (20) Energy Saving for Buildings Using Phase Change Materials.
- (21) Studying the effect of the integrated PCM in the buildings: Review study.
- (22) Enhancing PV Panel Performance with Different Types of Phase Change Material (PCM): An Experimental Study.

### الجانب الانساني

- (1) تشكيل فريق انساني لمكافحة مرض كورونا
- (2) توزيع مساعدات للعوائل المتعففة
- (3) تشكيل فرق تطوعية لخدمة الصالح العام
- (4) دورات وندوات في محاربة الفكر المتطرف
- (5) دورات وندوات في مكافحة المخدرات
- (6) اعمال تطوعية لزراعة الالاف الأشجار لتحسين البيئة وزيادة جماليتها

## Personal information.

Full name and surname	Qusay Kamil Jassim Muhammad Al-Ajili
Academic title	Assistant Professor
Birth	Kirkuk/ 17-2-1984
Marital status	Married - Three children
Current job	University professor -Northern Technical University - Al-Huwayjah Technical Institute
position	Teaching
Department	Power mechanics techniques
Branch	Power generation
E-mail	qusay_hwj@ntu.edu.iq E-mail
Mobile number	07716315565- 07701293361



## Academic certificates

University	Degree	Date of Obtaining	Degree Specialization	Country of Study
Mosul	B.SC	2008-2007	Mechanical Engineering	Iraq
Mosul	M.SC	2011-2010	Thermal Power	Iraq
Baghdad	Ph.D.	2023-2022	Fluid-Thermal	Iraq

## Research lines

- 1.(Heat Transfer)
- 2.(Fluid Mechanics)
- 3.(Porous Materials)
- 4.(Renewable Energy)

5.(Photovoltage Panels)

6.(Phase Change Materials)

### Administrative positions

Position	location	Year
Head of Department	Al-Huwayjah Technical Institute	2018-2020

### Member of Professional Institutions

- (1) Member of the Iraqi Engineers Syndicate, Kirkuk Branch
- (2) Member of the Scientific Committee of the Myanmar International Journal
- (3) Member of the E-Palli Scientific Committee (EIC) in Malaysia
- (4) Member of the E-Palli Scientific Committee (EIC) in Turkey

### Academic and professional experiences

- (1) Lecturer at Kirkuk University - College of Engineering from 2011 to 2016
- (2) Lecturer at Tikrit University - College of Engineering from 2014 to 2015
- (3) Lecturer at Technical Institute - Kirkuk, Department of Power Mechanics Technologies from 2020 to 2021
- (4) Lecturer at Technical Institute - Hawija, Department of Power Mechanics Technologies since 2017 and continuing

**Certificates of Appreciation and Letters of Thanks and Appreciation**






- (1) Letters of thanks and appreciation from the Minister of Higher Education and Scientific Research.
- (2) Letters of thanks and appreciation from the President of the Northern Technical University.
- (3) Letters of thanks and appreciation from the President of Kirkuk University.
- (4) Letters of thanks and appreciation from the Deanship of the College of Engineering, Kirkuk University.
- (5) Letters of thanks and appreciation from the Deanship of the College of Engineering, Tikrit University.
- (6) Letters of thanks and appreciation from the Deanship of the Technical Institute, Al-Hawija.
- (7) Certificates and letters of appreciation from international, Arab and local organizations.

**Scientific Conferences**

- (1) The First Scientific Conference on Renewable Energy at Al-Huwayjah Technical Institute 2018
- (2) The Second Scientific Conference on Renewable Energy at Al-Huwayjah Technical Institute 2022
- (3) The Second Scientific Conference of Al-Hikmah International for Natural and Applied Sciences - Al-Hikmah University College 2023
- (4) The Fourth International Conference on Sustainable Engineering Technologies (ICSET 2022)
- (5) The First International Conference on E-Palli (EIC) The Second International Conference (EIC) 2023 held in Malaysia.
- (6) The Second International Conference on E-Palli (EIC) The Second International Conference (EIC) 2024 held in Nepal.



## Academic Accounts

 <a href="https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAJ">Google Scholar Profile</a>	<a href="https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=kzTYgUMAAAAJ</a>
 <a href="https://www.researchgate.net/profile/Qusay-Kamil">ResearchGate Profile</a>	<a href="https://www.researchgate.net/profile/Qusay-Kamil">https://www.researchgate.net/profile/Qusay-Kamil</a>
 <a href="https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/">Publons Profile</a>	<a href="https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/">https://publons.com/wosop/researcher/5411344/qusay-kamil-jasim/</a>
 <a href="https://orcid.org/0000-0003-2189-5301">ORCID ID</a>	<a href="https://orcid.org/0000-0003-2189-5301">https://orcid.org/0000-0003-2189-5301</a>
 <a href="https://www.scopus.com/authid/detail.uri?authorId=57215832388">Scopus</a>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57215832388">https://www.scopus.com/authid/detail.uri?authorId=57215832388</a>

## Languages

1. Arabic
2. English
3. Kurdish and Turkmen

## Engineering Programs

1. AUTO-CAD
2. SOLID WORK
3. PV SYSTEM
4. ANSYS
5. MICROSOFTWORD
6. MATLAB

## Published scientific results

- (1) Improving thermal performance using  $Al_2O_3$ -water nano-fluid in a double pipe heat exchanger filling with porous medium.
- (2) Nano-fluid convective heat transfer enhancement elliptical tube inside circular tube under turbulent flow
- (3) Experimental Study on Promoting The thermal Performance of a Forced Draft Counter Flow Evaporative Cooling Tower.
- (4) Experimental and Theoretical Study to Improve the Performance of Solar Cells by Evaporative Cooling in Iraq.

- (5) Experimental and theoretical study to improve the performance of splits in Iraq
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- (22) Enhancing PV Panel Performance with Different Types of Phase Change Material (PCM): An Experimental Study.

### Humanitarian aspect

- (1) Forming a humanitarian team to combat the Corona virus
- (2) Distributing aid to needy families
- (3) Forming volunteer teams to serve the public interest
- (4) Courses and seminars on combating extremist thought
- (5) Courses and seminars on combating drugs
- (6) Volunteer work to plant thousands of trees to improve the environment and increase its beauty