




المعلومات الشخصية

	كريم خزل عكاب	الاسم الثلاثي
	engkarim.mech@gmail.com	البريد الالكتروني
	دكتوراه	الشهادة
	مدرس	اللقب العلمي
	هندسة ميكانيك	الاختصاص العام
	طاقة و حراريات	الاختصاص الدقيق
Heat Transfer, Thermal Management, Solar Energy, Phase Change Materials and Componential Fluid Dynamics		الاهتمامات البحثية

الشهادات والالقب العلمية

الشهادة	تاريخها	عنوان الرسالة / الاطروحة	الجامعة	البلد
الدكتوراه	18/7/2017	A Comprehensive Evaluation of Hybrid Wetting Configuration in Dropwise Condensation	USC	امريكا
الماجستير	7/10/2010	Introduction Thermal Loading to the Calculations of J-Integral using Finite Element Method	Basrah	العراق

الدورات التدريبية

اسم الدورة	مكان الدورة	مدة الدورة	تاريخ الدورة
Hazardous Chemical Waste	USC امريكا	اسبوع	1/ 06/ 2014
Teaching Assistance	USC امريكا	اربعة اشهر	15 / 08/ 2016



النشاط البحثي	
اسم النشاط	مكان وتاريخ النشر
النشاطات (المشاركات في المؤتمرات والندوات وغيرها)	
اسم النشاط	مكانه وزمانه
Discover USC, Poster Influence of Patterned Hybrid Geometry on Dropwise Condensation Heat Transfer and Droplet Dynamics	University of South Carolina, USA, 2015
American society for mechanical engineering 2016 conferences.	Washington DC, USA, 2016
The study of the effect of crack on the thermal stress distribution in the pipe carrying pressurized fluid", The 12th International Conference on Mechanical Engineering (ICME2017) Bangladesh University of Engineering and Technology (BUET)	Dhaka, Bangladesh. 2017
Proceedings of the ASME 2018 International Mechanical Engineering Congress and Exposition IMECE2018	November 9-15, 2018, Pittsburgh, PA, USA
الخبرات التدريسية	
اسم المادة التي درستها	المرحلة الدراسية
Mechanics of Materials	First Year
Mathematics I	First Year
Mathematics II	Second Year
Engineering Analysis	Third Year
Engineering Drawing	First Year



Publications

KK EGAB, AR HASAN, Numerical Study of Air Condition System Using Solar Parabolic Collector, Muthanna Journal of Engineering and Technology (MJET) 2 (1), 46-6, 2013

K Egab, SK Oudah, M Alwazzan, J Khan, C Li Influence of Pattern Geometry of Hybrid Surfaces on Dropwise Condensation Heat Transfer and Droplet Dynamics, ASME 2018 International Mechanical Engineering, 2018

Y Bhuiyan, K Egab, HR Hassan, SK Oudah, Stress Analysis of Bilayer Composite Materials with Various Passion Ratio, International Journal of Engineering & Technology, 2018

M Alwazzan, K Egab, P Wang, Z Shang, X Liang, C Li, Condensation heat transfer on nickel tubes: The role of atomic layer deposition of nickel oxide, International Journal of Heat and Mass Transfer 133, 487-493

K Egab, Y Bahrian, A Okab, Y Khalil, SK Oudah, A Akanda, Numerical investigation of stress analysis of composite materials with various elasticity, IOP Conference Series: Materials Science and Engineering, 2019

SK Oudah, R Fang, A Tikadar, K Egab, C Li, JA Khan, The Effects of Hybrid Sandblasting Patterns on the Heat Transfer Performance in a Single-Phase Microchannel Heat Sink, ASME 2017 International Mechanical Engineering Congress and Exposition.

SK Oudah, R Fang, A Tikadar, K Egab, C Li, JA Khan, The Effects of Hybrid Sandblasting Patterns on the Heat Transfer Performance in a Single-Phase Microchannel Heat Sink, ASME 2017 International Mechanical Engineering Congress and Exposition.

M Alwazzan, K Egab, B Peng, J Khan, Condensation on hybrid-patterned copper tubes (II): visualization study of droplet dynamics, International Journal of Heat and Mass Transfer 112, 950-958

M Alwazzan, K Egab, B Peng, J Khan, C Li, Condensation on hybrid-patterned copper tubes (I): Characterization of condensation heat transfer, International Journal of Heat and Mass Transfer 112, 991-1004

K Egab, SK Oudah, AA Nassar, HR Hassan, Y Bhuiyan, Investigation of Temperature Effect On Cracked Pressurized Pipes, ASME 2018 International Mechanical Engineering Congress and Exposition

SK Oudah, A Tikadar, R Fang, K Egab, JA Khan, Thermodynamic Characteristics of a Knurled Microchannel Heat Sink in Single Phase Regime, ASTFE Digital Library, 2018.