



College of Engineering
Academic Accreditation Committee



Staff C.V

Name: Saad M. Jalil

Specialization: Mechanical Engineering-Power

Position: Asst. Professor-Head of the Department

Scientific Degree: Ph.D.

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languages: Arabic (native), English



First, Scientific Certification:

Degree science	University	College	Date
B.Sc.	Anbar	Engineering	2001
M.Sc.	Anbar	Engineering	2003
Ph.D.	Michigan State University USA	Engineering	2020

Second, Career:

No.	Career	Workplace	From -To
1	Demonstrator	University of Anbar, Engineering College, Mechanical Engineering Department	2002-2003
2	Asst. Lecturer	University of Anbar, Engineering College, Mechanical Engineering Department	2004-2007

3	Lecturer	University of Anbar, Engineering College, Mechanical Engineering Department	2007-2013
4	Asst. Prof.	University of Anbar, Engineering College, Mechanical Engineering Department	2013- TO DATE

Third, University Teaching:

No.	University	The (Institute / College)	From -To
1	University of Anbar	College of Engineering	2002-TO DATE
2	Michigan State University	College of Engineering	2016-2020

Fourth, Courses Which You Teach:

No.	Department	Subject	Year
1	Mechanical Engineering	Lab. Of thermodynamics,2nd stage Lab. of heat transfer,3rd stage Lab. Of engineering drawing,1st stage	2002-2003
2	Mechanical Engineering	Lecturer of thermodynamics,2nd stage Lecturer of power plant 4th stage Lecturer of engineering drawing,1st stage Lab. of thermodynamics,2nd stage Lab. of heat transfer,3rd stage Lab of power plant,4th stage	2003-2007
3	Mechanical Engineering	Lecturer of thermodynamics,2nd stage Lecturer of engineering drawing,1st stage Lab. Of thermodynamics,2nd stage	2007-2009
4	Mechanical Engineering	Lecturer of thermodynamics,2nd stage Lab. Of thermodynamics,2nd stage	2009 to Date

5	Mechanical Engineering	Teaching Assistant, Fluid Mechanics Lab, Department of Mechanical Engineering, Michigan State University.	2016
6	Mechanical Engineering	Research Assistant, Engine Research Laboratory, Department of Mechanical Engineering, Michigan State University.	2018-2020

Fifth, Thesis which was supervised by:

No.	Thesis Title	Department	Year
1	Heat Transfer Characteristics of a Hybrid Flat-Plate Photovoltaic/Thermal Solar System Using Oscillating Fluid Flows	Mechanical Engineering	2022
2			

Sixth, Conferences which you participated:

No.	Conferences Title (بحث / بوستر حضور)	Year	Place	Type of Participation
1	BOND21 – Joint International Conference on Nanoscience, Engineering, and Management	2013	Bayview Beach Resort, Batu Ferringhi, Penang, Malaysia, 19-21 August 2013	Conference
2	The Fifth Scientific Conference of Wasit University,	2011	IRAQ	Conference
3	18 th International Refrigeration and Air Conditioning Conference	2020	Purdue, USA, May 24-28, 2021	Conference

Seventh, Scientific Activities:

Within the College	Outside the College

Eighth, Research Projects in the Field of Specialization:

No.	Research Title	Place of Publication	Year
1	The Effect Of The Hollow Ratio On The Natural Convection Heat Transfer From Upward Heated Plates At Constant Heat Flux	Anbar Journal For Engineering Science	Vol.:1, No.1,2007.
2	Experimental Study Of The Natural Convection Heat Transfer From Horizontal, Inclined, And Vertical Hollow Plate At Constant Heat Flux	Journal Of Al_Anbar University For Pure Science	Vol.:1, No.1,2007
3	Effect Of Orientation On Performance Of Trapezoidal Fins Heat Sink Subjected To Natural Convection	Anbar Journal For Engineering Science	Vol.: 2 , No.2 , 2009
4	The Effect Vertical Vibration on the Natural Coefficient of Heat Transfer from the longitudinally Finned Cylinder	The Fifth Scientific Conference of Wasit University,2011	
5	The Influence of Orientation on The Performance of Pin Finned Heated Plate Subjected To Natural Convection	Al Taqani Journal	Vol.:25, No.:3, 2012
6	Effect of Oscillatory Motion in Enhancing The Natural Convection Heat Transfer From a Vertical Channel	Engineering Journal	Vol.:18 No.:12 ,2012
7	The effect of phase change material on thermal energy storage in cement layers	Int. J. Nanoelectronics and Materials	Vol.:9 ,2016.
8	Diffusive heat and mass transfer in oscillatory pipe flow	Physics of Fluids	Vol.:29 No. 7, 2017.
9	Axial conduction and dissipation in oscillatory laminar pipe flow at low and high frequencies	Physics of Fluids	Vol.:31 No.:8 ,2019.
10	Experimental and numerical investigation of axial heat transfer enhancement by oscillatory flows	International Journal of Thermal Sciences	Vol.:137, 2019.
11	Phase-lags' Radial Variations Between Velocity, Shear Stress, and Pressure Gradient in Ultra-high Frequency Pulsating Turbulent Flows	Journal of Fluids Engineering	Vol.:142 No.:5 ,2020.
12	Numerical Characterization of Viscous Heat Dissipation Rate in Oscillatory Air Flow	J. Heat Transfer	Vol.:142 No.:1 ,2020.
13	Mathematical and Numerical Predictions for Optimum Perfect Mixing by Bulk Convective Oscillatory Exchange	International Journal of Heat and Mass Transfer	Volume 167, March 2021
14	Numerical and Experimental Steady-State Investigation of Supercritical CO ₂ Gas Cooler Plate Heat Exchanger	18th International Refrigeration and Air Conditioning Conference at Purdue, May 24-28, 2021	2021
15	Experimental Investigation of the Optimum Angle for the Hybrid PV/T Collector	Anbar Journal For Engineering Science	2022

Ninth, Membership

- **Member of The Iraqi Engineering Society, since 2001.**

Tenth, Awards and Certificates of Appreciation:

No.	Name of Awards and Certificates	Donor	Year
1	Some Letters of Thanks & Appreciation	Dean of engineering college	Since 2002
2	Some Letters of Thanks & Appreciation	President of Anbar University	Since 2002
3	Some Letters of Thanks & Appreciation	Minister of higher education and scientific research	Since 2002

Eleventh, Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1		

Twelfth, languages:

- Arabic
- English