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CV

* **Personal Information**

Photo

**Name:** SAAD MOHAMMED JALIL

**Marital Status:** Married

**Specialization:** Mechanical Engineering-Power

**Position:** Head of the Department

**Scientific Degree:** Ph.D.

**Academic Title:** Asst. Professor

**Languages:** Arabic (native), English

**Work Address:** University of Anbar-College of Eng.-Mech. Eng. Dept.

**Work Phone:** +964(0)780842666

**Mobile:** +964(0)780842666

**E-mail:** saad.jalil@uoanbar.edu.iq

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| --- | --- | --- | --- |
| **Year of graduation**  | **College** | **University** | **Scientific degree**  |
| 2001 | Engineering | Anbar-IRAQ | **B.Sc.** |
| 2003 | Engineering | Anbar-IRAQ | **M.Sc.** |
| 2020 | Engineering | Michigan State University -USA | **Ph.D.** |

* **Scientific Certifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **From -To** | **Workplace** | **Career** | **No.** |
| 2002- to date | University of Anbar, Engineering College, Mechanical Engineering Department | Faculty member | 1 |
| 2021 – to date | University of Anbar, Engineering College, Mechanical Engineering Department | Head of department | 2 |

* **Career No of total careers:**
* **Teaching Experiences NO of total courses have taught:**

|  |  |  |  |
| --- | --- | --- | --- |
| **From – To** | **Subject** | **Department** | **No.** |
| **2016** | **Teaching Assistant, Fluid Mechanics Lab, Department of Mechanical Engineering, Michigan State University.** | **Mechanical Engineering** | 1 |
| **2002- to date** | **Thermodynamics, heat transfer, engineering drawing, power plants, CFD**  | **Mechanical Engineering** | 2 |
|  |  |  | 3 |

* **Most recent published papers NO of total papers have published:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year of published** | **Paper title** | **Journal name** | **No.** |
| Vol.:142 No.:5 ,2020. | Phase-lags' Radial Variations Between Velocity, Shear Stress, and Pressure Gradient in Ultra-high Frequency Pulsating Turbulent Flows | Journal of Fluids Engineering | 1 |
| Vol.:142 No.:1 ,2020. | Numerical Characterization of Viscous Heat Dissipation Rate in Oscillatory Air Flow | J. Heat Transfer | 2 |
| Volume 167, March 2021 | Mathematical and Numerical Predictions for Optimum Perfect Mixing by Bulk Convective Oscillatory Exchange | International Journal of Heat and Mass Transfer | 3 |
| 2021 | Numerical and Experimental Steady-State Investigation of Supercritical CO2 Gas Cooler Plate Heat Exchanger | 18th International Refrigeration and Air Conditioning Conference at Purdue, May 24-28, 2021 | 4 |
| 2022 | Experimental Investigation of the Optimum Angle for the Hybrid PV/T Collector | Anbar Journal For Engineering Science | 5 |

* **Thesis and dissertation supervising NO of total :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Department** | **Thesis Title** | **No.** |
| **2021** | **Mechanical Engineering** | **HEAT TRANSFER CHARACTERISTICS OF A HYBRID FLAT- PLATE PV\_T SOLAR SYSTEM USING OSCILLATING FLUID FLOWS** | 1 |
| **2022** | **Mechanical Engineering** | **Effect of vortex generators in accelerating the thermal diffusion****Inside the Stokes boundary layer** | 2 |

* **Memberships**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Country** | **Association**  | **No.** |
|  |  |  | 1 |
|  |  |  | 2 |