**السيرة الذاتية**

Photo

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**التخصص: الهندسة الكيمياوية**

**حاصلة على شهادة الدكتوراه من جامعة بغداد**

**عضو الهيئة التدريسية في قسم الهندسة الكيمياوية - كلية الهندسة – جامعة بغداد**

**رئيس تحرير مجلة الهندسة**

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**تدريس مواضيع مختلفة ضمن اختصاص الهندسة الكيمياوية**

**الاهتمامات العلمية: انتقال الحرارة و الكيمياء الكهربائية وتطبيقات النانو ومعالجة المياه واستخلاص الزيوت وتطبيقات الطاقة المتجددة وظواهر الانتقال**

**الاشراف على طلبة الماجستير**

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| **1** | Dynamics of a single condensing two-phase bubble – Hussien B. Aliwy |
| **2** | Numerical analysis of the droplet combustion process for two types of hydrocarbon fuels using different combustion models-Ali Sabri |
| **3** | Numerical simulation of heat transfer through falling liquid film on heater surface using three cases of thermal model-Ali Salah |
| **4** | Study of the vibrational control of the neutralization process- Ahmed Abbas |
| **5** | Improvement of some polymers used in drug delivery-Nagham Ali |
| **6** | Experimental study on eucalyptus oil extraction using different solvents-Bedoor Muhsen |
| **7** | Shell and double concentric tubes heat exchanger calculations and analysis- Fadhil Abid |
| **8** | Synergistic effect of alcohol and potassium iodide on the kinetics and inhibition of mild steel corrosion in 1M hydrochloric acid-Elaf Qasim |
| **9** | Entransy Dissipation and entropy generation of shell and double concentric tubes heat exchanger-Zena Falah |
| **10** | Effect of local fillers on mechanical and thrmal properties of poly vinyl chloride-Dhilal Amer |
| **11** | CFD simulation for shell and double concentric tube heat exchanger-Hawraa Riyadh Jawad |
| **12** | Cultivation of microalgae using industrial dairy wastewater-Arwa Raad |

**الاشراف على طلبة الدكتوراه**

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| **التسلسل** | **أطاريح الدكتوراه** |
| **1** | Performance of the solar adsorption refrigeration system under various conditions and parameters for Iraq climate-Nibal Fadel |
| **2** | Removal of cadmium rom wastewater by elctro-deposition on stainless steel concentric tubes bundle – Anas Bdiwi salman |
| **3** | Leaching of Iraqi Akashat phosphate ore by organic and non-organic acids- Mohammed Y. Eisa |
| **4** | Treatment and reuse of Alahdab Iraqi oilfield water-Hussein Basim |
| **5** | Wastewater treatment using successive electrochemical approaches-Maitham Adham |
| **6** | Occurrence of emerging contaminants in Shatt Al - Arab and separation by new adsorbent-Nawras Jassim  |
| **7** | Synthesis and characterization of TiO2 nanocatalyst for desulphrization without UV irradiation- Fadhil Abid |
| **8** | Study and analysis of Shell and double concentric tubes heat exchanger using different nanofluids-Noor Sabih |

**البحوث المنشورة**

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| **2** | EXTRACTION AND MODELLING OF OIL FROM EUCALYPTUS CAMADULENSIS BY ORGANIC SOLVENTS |
| **3** | Electrochemical removal of cadmium from simulated wastewater using a smooth rotating cylinder electrode |
| **4** | Beneficiation of Iraqi Akashat ore using organic acids for the production of wet process phosphoric acid |
| **5** | Effect of Annealing on the Crystallization of Poly Vinyl Chloride for Drug Delivery System |
| **6** | Study and analysis of concentric shell and double tube heat exchanger using γ-Al2O3 nanofluid |
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| **10** | Synthesis and Characterization of Titanium Dioxide Nanoparticles under Different pH Conditions |
| **11** | Deep Oxidative Desulfurization of Model fuels by Prepared Nano TiO2 with Phosphotungstic acid |
| **12** | Biological Co-existence of the Microalgae–Bacteria System in Dairy Wastewater using photo-bioreactor |
| **13** | Kinetic Study of the Leaching of Iraqi Akashat Phosphate Ore Using Lactic Acid |
| **14** | Adsorption of Diclofenac Sodium and Ibuprofen by Bentonite Polyureaformaldehyde Thermodynamics and Kinetics Study |
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| **25** | A NOVEL METHOD FOR ELECTROCHEMICAL REMOVAL OF CADMIUM FROM SIMULATED WASTE-WATER BY USING STAINLESS STEEL MESH CONCENTRIC TUBES CATHODE |
| **26** | Beneficiation of Iraqi Akash at Phosphate Ore Using Organic Acids for the Production of Wet Process Phosphoric Acid |
| **27** | [Theoretical and Numerical Analysis of Fuel Droplet Combustion Parameters via Different Combustion Models](https://www.iasj.net/iasj?func=article&aId=26859) |
| **28** | Dynamics of a single Condensing Two-Phase Bubble |
| **29** | [Rise Velocity and Drag Coefficient of Collapsing Two-Phase Bubble Condensing in an Immiscible Liquid](http://ijcpe.uobaghdad.edu.iq/index.php/ijcpe/article/view/471) |
| **30** | Performance of the Solar Adsorption Refrigeration System under Various Conditions and Parameters for Iraq Climate |
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