

Published research for the academic year 2024-2025		
T	research	writer
1	Microstructure, Mechanical Properties, and Heat Distribution ANSYS model of CP Copper and 316 Stainless Steel Torch Brazing	Iqbal Abdullah Rashid Alshalal Auday Awad Abtan mohammed sabeeh
2	Effect of Excessive Clamping Force on Bolted CFRP Composite Plates	Iqbal Abdullah Rashid Alaa El-Sisi Hani Salim Mahmoud Nawar Mohamed H El-Feky
3	Eco-optimized experimental and computational analysis of coarse wood chips fluidization aerodynamics in bed reactors	Ali. R. Mahdi Zhukov, E. B. Hayder Abed Dhahad
4	Experimental investigation of aerodynamic behavior of wood chips in fluidized bed reactors as a sustainable biomass fuel	Ali Rasoo Mahdi Zhukov, E. B. Hayder Abed Dhahad
5	Numerical Analysis of Time-Varying Temperature Profiles and Nanoparticle Concentration Effects on Nano-Enhanced Phase Change Materials in Enclosed Systems,	Laith Jaafer Habeeb Mohammed Abdulritha Khazaa Alireza Daneh-Dezfuli
6	The Effects of Magnetic Nanofluid Flow with Different Heat Flux and Magnetic Field on Heat Transfer Through Horizontal Pipe	Laith Jaafer Habeeb Ali Habeeb Askar Abdulhassan A. Karamallah
7	Investigational Survey of Heat Transfer in Heat Exchanger Containing Al₂O₃ as Nano-Fluid	Nisreen Mezher Rahmah Abdulhassan A. Karamallaha Laith Jaafer Habeeb

8	Numerical study of a wickless heat pipe for cooling of electronic component	Samah Ehsan Adnan Muna S. Kassim Nabeh Alderoubi Laith Jaafer Habeeb
9	A Numerical Study of the Effect of Geogrid on Road Way Reinforced with Layers of Pavements	Laith Jaafer Habeeb
10	A numerical study of the effect of the angle and diameter of the injector in internal combustion engines	Mahmoud A. Mashkour Hasanen Mohammed Hussain Laith Jaafer Habeeb
11	Analysis of Friction Factor and Coefficient of Friction by Employing Ring Compression Tes under Various Deformation Speed	Ahmed Salman Hamood
12	Enhancing building sustainability through aerodynamic shading devices:an integrateddesign methodology using finite element Analysis and optimized neural networks	Ahmed Salman Hamood
13	Using froude and weber numbers to represent the changes in the flow pattern from stratified to stratified-wavy or plug for wire-on-tube condenser	Hasanain Adnan Abdul Wahhab
14	Enhancement of the heat transfer performance of a double-pipe heat exchangers in various confgurations using Al₂O₃ nanofuid: A focused review	Hasanain Adnan Abdul Wahhab
15	Experimental and Numerical Analyses of the Influence of Al₂O₃ Nanoparticle Supplementation in Biodiesel (Water Hyacinth) Blends with Diesel on CI Engine Responses	Hasanain Adnan Abdul Wahhab

16	Flame Evolution Characteristics for Hydrogen/LPG Co-Combustion in a Counter-Burner	Hasanain Adnan Abdul Wahhab
17	PERFORMANCE ENHANCEMENT OF A SOLAR WATER COLLECTOR USING ALUMINIUM POROUS MEDIUM AND NANOPARTICLES	Hasanain Adnan Abdul Wahhab
81	Performance Improvement and Emissions Reduction with Environmentally Friendly Water Diesel Emulsion Fuel	Hasanain Adnan Abdul Wahhab
19	Numerical Analysis of Horizontal Geothermal Heat Exchanger at Various Burial Depths for Solar PV/T Cooling in South Iraq Weather	Hasanain Adnan Abdul Wahhab
20	The Influence of Gas Fuel Enrichment with Hydrogen on the Combustion Characteristics of Combustors: A Review	Hasanain Adnan Abdul Wahhab
21	Nanoparticle Distribution in Compression Ignition Engines Using Rapeseed Methyl Ester	Hasanain Adnan Abdul Wahhab