	Statistics of researches published in international and local journals for Sustainable Energy Engineering Department faculty for the period (2017-2024)								
No.	Year	International	Scopus	Local	Sum				
1	2017	0	1	0	1				
2	2018	1	1	0	2				
3	2019	2	1	1	4				
4	2020	0	7	2	9				
5	2021	3	2	0	5				
6	2022	14	8	2	24				
7	2023	3	5	5	13				
8	2024	0	5	1	6				
	Total	23	30	11	64				

No.	Researchers Name	Research Title Journal Name				Notes
1	Ahmed F.Al-Neama et al	An experimental and numerical investigation of the use of liquid flow in serpentine microchannels for microelectronics cooling	Applied Thermal Engineering	2017	sndoos	Collaboration With researchers outside the department
2	Ahmed F.Al-Neama et al	Thermal management of GaN HEMT devices using serpentine minichannel heat sinks	Applied Thermal Engineering	2018	Scopus	Collaboration With researchers outside the department
3	Ali Alkhabbaz Laith M. Jasim Hudhaifa Hamzah	Effect of porous sleeve position on natural convection in a concentric annulus	International Energy & Engineering Congress Proceedings Book	2018	International	Collaboration With researchers outside the department
4	Khalid E.Hammo .et al Modeling and construction of two-axis sun tracking system for a mobile solar cell panel International Journal of Scientific and Engineering Research		2019	web of science		
5	Maiser Idris Ismail et al			web of science	Collaboration With researchers outside the department	
6	Omar Mohammad Hamdoon et al	Hamdoon Modeling and Simulation of a Desiccant Evaporative Cooling System Tikrit Journal Of Engineering Sciences		2019	Local	
7	Ali Alkhabbaz In Cheol Kim HyunTae Jeong Young Ho Lee	Optimization Methodology of Small Scale Horizontal Axis Shrouded Tidal Current Turbine	Computer Science and Data Engineering,	2019	Scopus	Collaboration With researchers outside the department
8	Omar Mohammad Hamdoon	Performance analysis of hybrid photovoltaic thermal solar system in Iraq climate condition	Thermal Science and Engineering Progress	2020	Scopus	
9	Omar Mohammad Hamdoon Analysis of two-phase flow in a double-pipe heat exchanger filled with porous Mass Transfer		2020	Scopus		
10	Mohammed Saleh Mohammed Taha Ahmed Abdullah Specific Exergy Costing Analysis and Optimization of CCPP Power Plant Taha Ahmed Abdullah International Journal of Mechanical and Production Engineering Research and Development		2020	Scopus		
11	Khalid E.Hammo Omar A.Mohammed et al	Performance investigation and design optimization of micro scale compressed air axial turbine for domestic solar powered Brayton cycle	Sustainable Energy Technologies and Assessments	2020	sndoos	Collaboration With researchers outside the department
12	Omar Mohammad Hamdoon	Improving the Performance of a Flat Plate Solar Collector Using Nano fluid as Working Fluid	Al-Rafidain Engineering Journal	2020	Local	
13	Taha Ahmed Abdullah Mohammed Saleh Mohammed	Measurement correction of two dimensional-wind tunnel with porous walls using singularity method	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
14	Taha Ahmed Abdullah	Numerical investigation on wing performance using singularity method	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
15	Omar Mohammad Hamdoon et al	Analysis of two-phase flow in a double-pipe heat exchanger filled with porous media	International Journal of Heat and Mass Transfer	2020	Scopus	Collaboration With researchers outside the department
16	Omar Mohammad Hamdoon	ΔI-Rafidain Engineering Journal		2020	Local	-
17	Al-sarraf,Ziad Shakeeb Ahmed Fattah Ahmed Khalid E.Hammo	Evaluation of Vibration Amplitude Stepping and Welding Performance of 20 kHz and 40 kHz Ultrasonic Power of Metal Welding	Journal of Mechanical Engineering Research	2021	Scopus	

18	Mohammed Saleh Mohammed Taha Ahmed Abdullah .et al	Ultra-Light Aircraft Airfoil Design and Characteristics	Journal of Mechanical Engineering Research and Developments	2021	Internation al	Collaboratio n With researchers outside the department
19	Al-sarraf,Ziad Shakeeb Ahmed Fattah Ahmed Khalid E.Hammo	Evaluation of Vibration Amplitude Stepping and Welding Performance of 20 kHz and 40 kHz Ultrasonic Power of Metal Welding	Journal of Mechanical Engineering Research	2021	Internation al	
20	Ali Alkhabbaz Ho-Seong Yang A.H Samitha Weerakoon Young-Ho Lee	A novel linearization approach of chord and twist angle distribution for 10 kW horizontal axis wind turbine	Renewable Energy	2021	Scopus	Collaboration With researchers outside the department
21	Hudhaifa Hamzah Laith M. Jasim Ali Alkhabbaz Besir Sahin	Role of honeycomb in improving subsonic wind tunnel flow quality: numerical study based on orthogonal grid	J. Mechanical Engineering Research and Developments	2021	International	Collaboration With researchers outside the department
22	Taha Ahmed Abdullah Mohammed Saleh Mohammed Najim,Younis M	ON CFD WING PERFORMANCE FOR ULTRA-LIGHT AIRPLANE	International Journal of Mechanical Engineering	2022	Scopus	
23	Ahmed Khalid Ibrahim Ramez Ibbrahim Said ali,raed ahmed A	PARTIALLY SHADING A PV MODULE: ANALYSIS AND DESIGN WITH SIMULATION	International Journal on Technical and Physical Problems of Engineering (IJTPE)	2022	Scopus	
24	Ahmed Khalid Ibrahim ali,raed ahmed A Dr.Ali Ghazi Mohammed Kamil	Experimental Assessment of a Hot Water Solar Collector for Sustainable Buildings in Iraq	Gongcheng Kexue Yu Jishu/Advanced Engineering Science	2022	Scopus	Collaboration With researchers outside the department
25	Sufyan A.Mohammed et al	Fault Diagnosis of Crack on Gearbox Using Vibration-Based Approaches	Symmetry publisher MDPI	2022	Scopus	Collabora tion With researche rs outside the departme
26	Al-sarraf,Ziad Shakeeb Khalid E.Hammo	Design, Analysis and Fabrication of Ultrasonic Power Horns Used to Produce Medical (Surgical) Face Mask and Their Supplements	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
27	Dr.Anas Obeed Balod Sufyan A.Mohammed Omar A.Mohammed	A numerical comparison between fiber and particulate reinforcement of AA3003 in composites sheets using finite element method	International Research Journal of Modernization in Engineering Technology and Science	2022	Internation al	
28	Mohammed Saleh Mohammed	Environmental effect on the exergoeconomic performance of combined cycle power plant for hot climate (Mosul climate)	International Journal of Mechanical Engineering	2022	Interna tional	
29	Taha Ahmed Abdullah	The Effect of Airport Distance on Wing Aerodynamic Characteristics for Ultra- Light Airplane	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
30	Ahmed Khalid Ibrahim Ramez Ibbrahim Said	A Comprehensive Review of Vertical Axis Wind Turbines For Urban Usage	INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT	2022	Internati	
31	Ahmed Khalid Ibrahim Ramez Ibbrahim Said	A REVIEW OF RECENT SOLAR COLLECTORS: CLASSIFICATIONS, DEVELOPMENT, APPLICATIONS AND NEW SYSTEMS	International Research Journal of Modernization in Engineering Technology and Science	2022	Internation al	
32	Ahmed Khalid Ibrahim Masters Student	Modeling and Simulation of the Performance of Wind Turbines under Iraqi Weathers Conditions	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
33	Najim,Younis M Masters Student	Three Dimensional CFD of Supercritical CO2 Flow Characterization in a Centrifugal Compressor	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
34	Najim,Younis M Masters Student	Three-Dimensional CFD Simulations of Transient Cavitation in a Centrifugal Pump	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
35	Najim,Younis M Masters Student	Hydrothermal Analysis of Archimedean Spiral Channel Heat Sink for CPU Cooling	International Research Journal of Innovations in Engineering & Technology - IRJIET	2022	Internation al	
36	Dr.Mahmoud U.Jasim et al	The Use of Solar Water Heaters in Iraq: An Economic Study	Al Rafidain Engineering Journal	2022	Local	Collaboration With researchers outside the department
37	Dr.Mahmoud U.Jasim Masters Student	Simulation of U Tube Heat Exchanger Immersed in Oil inside Solar Evacuated Tube	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Internation al	
38	Omar Mohammad Hamdoon Masters Student	التصميم والتقييم الحراري لمكيف هواء شمسي هجين في الموصل / العراق	Al-Rafidain Engineering Journal	2022	Local	
39	Omar Mohammad. Hamdoon Zaid M.Almakhyoul .et al	Heat Transfer Analysis of Melting Process Over A Horizontal Three Fins Tube with Different Orientations	International Journal of Advanced Research in Engineering Innovation	2022	Internation al	
40	Ahmed F.Al-Neama	Numerical Investigation of the Hydrothermal Characteristics of Water Flow in Compound Microchannel Heat Sinks	International Journal of Advanced Research in Engineering Innovation	2022	Internati I onal	
41	Dr.Mahmoud U.Jasim et al	Simulation of U Tube Heat Exchanger Immersed in Oil inside Solar Evacuated Tube	International Research Journal of Innovations in Engineering and Technology	2022	Internati I onal	

42	Ali Alkhabbaz Ho-Seong Yang Watchara Tongphong Young-Ho Lee	Ho-Seong Yang atchara Tongphong Young-Ho Lee Impacts of compact diffuser shroud on wind turbine aerodynamic performance: CFD and Experimental study International J. Mechanical Science		2022	Scopus	Collaboration With researchers outside the department
43	Ho-Seong Yang Ali Alkhabbaz Watchara Tongphong Dylan Sheneth Edirisinghe Young-Ho Lee	baz gphong gphong neth columns considering amount of materials used Energies		2022	Scopus	Collaboration With researchers outside the department
44	Hudhaifa Hamzah Laith M. Jasim Ali Alkhabbaz	Preferred location of the porous sleeve in a concentric annulus depending on the thermal insulation	institution of mechanical engineers	2022	Scopus	Collaborat ion With researche rs outside the departme nt
45	Mohammad Ghalandari Azfarizal Mukhtar Ahmad Shah Hizam Md Yasir Ali Alkhabbaz	Thermal conductivity improvement in a green building with Nano insulations using machine learning methods	Energy Reports	2023	Scopus	Collaboration With researchers outside the department
46	Omar Mohammad. Hamdoon Zaid M.Almakhyoul et al	Heat Transfer Analysis of the Melting Process on Finned Tubes (A Review on performance enhancement)	Al-Rafidain Engineering Journal (AREJ)	2023	Local	
47	Al-sarraj,Ghaidaa ibraheem Suha Hashem Ahmed Sufyan A.Mohammed	Studying the bending behavior of polymer-based composites reinforced with wires of different geometric shapes by numerical analysis method	SVU-International Journal of Engineering Sciences and Applications	2023	عربية	
48	Sufyan A.Mohammed .et al	Gearbox Vibration Analysis Using a Spectrogram and Power Spectrum Approach	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2023	Scopus	Collaboration With researchers outside the department
49	Dr.Ammar Younis ibrahim Alrawy Eman M.A.Sulaiman	Integrated combined cycle system with parabolic trough technology: A comprehensive review	International Journal of Engineering Sciences and Applications	2023	عربية	
50	Abdulrahman Habbo Mohammed Najim,Younis M et al	CFD of Fully Developed Channel Flow	International Journal of Advance Research in Engineering Innovation	2023	Internation al	
51	Ali Alkhabbaz et al	Numerical and experimental investigation on water vortex power plant to recover the energy from industrial wastewater	Renewable Energy	2023	Scopus	Collaboration With researchers outside the department
52	Ho-Seong Yang Watchara Tongphong Ali Alkhabbaz Young-Ho Lee	Comparison of different fidelity hydrodynamic-aerodynamic coupled simulation code on the 10 MW semi-submersible type floating offshore wind turbine	Ocean Engineering	2023	International	Collaboration With researchers outside the department
53	Khalid E.Hammo	Stress Analysis of a Rectangular Shaft Carrying a Rotor System Due to Eccentricity	SVU-International Journal of Engineering Sciences and Applications	2023	عربية	
54	Omar Mohammad Hamdoon et al	Local thermal equilibrium analysis of complete phase change process inside porous diffuser using NanoFluids	Applied Thermal Engineering	2023	Scopus	Collaboration With researchers outside the department
55	Ahmed Khalid Ibrahim Ramez Ibbrahim Said	Numerical Investigation on the Effect of Profile and Blade Numbers in a Savonius Vertical Axis Wind Turbine	CFD Letters	2022	Scopus	
56	Ahmed Khalid Ibrahim Ramez Ibbrahim Said et al	:Natural convection from a horizontal cylinder placed in a square enclosure CFD simulations simulation	AIP Conference Proceedings	2023	Internation al	Collaboratio n With researchers outside the department
57	Omar Dhannoon jumaah	Manufacturing of Gallium Nitride Thin Films in a Multi-Wafer MOCVD Reactorr	Journal of Thermal scince and engineering application	2023	Scopus	
58	Omar Mohammad Hamdoon et al	-The Experimental Investigation of Double -Pass Solar Air Heater with V Corrugated Plate, Phase -Change Material and Baffles Under Recycling Operation	Al-Rafidain Engineering Journal (AREJ)	2023	Local	Collaboration With researchers outside the department
59	Ali Alkhabbaz et al	The aero-hydrodynamic interference impact on the NREL 5-MW floating wind turbine experiencing surge motion	Ocean Engineering	2024	Scopus	Collaboration With researchers outside the department
60	Ali Alkhabbaz et al	Cross-comparison analysis of environmental load components in extreme conditions for pontoon-connected semi-submersible FOWT using CFD and potential-based tools	Ocean Engineering	2024	Scopus	Collaboration With researchers outside the department
61	Ali Alkhabbaz et al	The Effect of Nacelle Shape and Blade Geometry on the Performance of Small Scale Wind Turbine	Journal of Sustainability Researd	2024	Scopus	Collaboratio n With researchers outside the department

62	Ali Alkhabbaz et al	-Thirteen vital factors for micro-scale radial turbine vane 's design of geo-solar powered Brayton cycle applications	Energy Conversion and Manager	2024	Scopus	Collaboratio n With researchers outside the department
63	Omar Mohammad. Hamdoon Zaid M.Almakhyoul et. al	Energy Consumption Enhancement of a Solar Under Floor Heating System in a Small Family House Located in Mosul City, Iraq	Al-Rafidain Engineering Journal (AREJ)	2024	Scopus	
64	Omar A.Mohammed Sufyan A.Mohammed Al-sarraj,Ghaidaa ibraheem	Hybridization influence on the mechanical properties of hybrid composite laminates: A review	SVU-International Journal of Engineering Sciences and Applications (SVU-IJESA)	2024	عربية	