

	Statistics of researches published in international and local journals for Mechanical Engineering Department faculty for the period (2017-2024)				
No.	Year	International	Scopus	Local	Sum
1	2017	0	2	3	5
2	2018	3	2	0	5
3	2019	10	11	6	27
4	2020	5	18	4	27
5	2021	8	11	1	20
6	2022	30	16	9	55
7	2023	8	10	7	25
8	2024	1	14	2	17
	Total	65	84	32	181

No.	Researchers Name	Research Title	Journal Name	Year of publication	Type of Journal	Notes
1	ali,raed ahmed A Zaid M.Almakhyoul Maan s.M.Al-Dabbagh	Effect of Inclination Angle of the side Walls on the Natural Convection Heat Transfer Inside an Encloser	Anbar Journal of Engineering Sciences	2017	Local	
2	Rana Mohamed Ahmed et al	امكانية تطبيق منهجية Dfss لتحقيق جودة ومعولية المشروعات	Academic Journal of Nawroz University	2017	Local	Collaboration With researchers outside the department
3	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	Scopus	Collaboration With researchers outside the department
4	Younis,Alaa Daham .et al	دراسة مقارنة بين الوسادة على شكل قطع مكافئ وعلى شكل دائري على أداء المسند الهيدروديناميكي	Kirkuk University Journal-Scientific Studies	2017	Local	Collaboration With researchers outside the department
5	Ammar Hazim Al-Anaz et al	Soot reduction in an entrained flow gasifier of biomass by active dispersion of fuel particles	Fuel	2017	Scopus	Collaboration With researchers outside the department
6	Mohammed Najeeb Abdullah	Numerical and Experimental Investigation on the Effect of Billet Preforming in the Flange Forming	International Journal of Engineering & Technology	2018	Scopus	
7	Al-sarraf,Ziad Shakeeb	Study and Analysis of Ultrasonic Tools Operating in Multiple Vibration Modes	International Conference on Science, Engineering and Technology Research	2018	web of science	
8	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
9	Ammar Hazim Al-Anaz et al	A Numerical Simulation of Fluid Flow through a Thin Porous Media Confined within a Narrow Duct	THE 14TH INTERNATIONAL CONFERENCE ON FLOW PROCESSING IN COMPOSITE MATERIALS	2018	web of science	
10	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
11	Omar Dhannoon jumaah et al	Numerical Simulation And Optimization Of Gallium Nitride Growth In Mocvd Manufacturing Process	3rd Thermal and Fluids Engineering Conference	2019	Scopus	Collaboration With researchers outside the department
12	Omar Dhannoon jumaah et al	The Effect of Carrier Gas and Reactor Pressure on Gallium Nitride Growth in MOCVD Manufacturing Process	Journal of heat transfer (ASME)	2019	Scopus	Collaboration With researchers outside the department
13	Al-sarraf,Ziad Shakeeb	Design and simulation of spot welding process	International Journal of Mechanical and Production Engineering Research and Development	2019	web of science	
14	Al-sarraf,Ziad Shakeeb Majid Midhat saeed	Design And Analysis Of Slotted Block Horn Used For Ultrasonic Power Applications	Journal Of Southwest Jiaotong University	2019	Scopus	
15	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	
16	Suha Hashem Ahmed Al-sarraj,Ghaidaa ibraheem	Theoretical stress Analysis of Gas Turbine Blade Made from Different Alloys	Al-Rafidain Engineering Journal	2019	Local	
17	Zaid M.Almakhyoul .et al	Heat Transfer Characteristics For A Fin Exposed To Fully Wet Air	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	

18	Awad Hallosh Khidhir .et al	تأثير الحجم الحبيبي على بعض الخواص الميكانيكية لمواد متراكبة بوليمرية متدرجة وظيفيا مصنعة بطريقة الترسيب تحت تأثير الجاذبية	Journal of Engineering and Sustainable Development	2019	Local	
19	Suha Hashem Ahmed .et al	تحليل الإجهادات لانواع مختلفة من ريش المرحلة الاولى للتوربين الغازي في محطة المنصور الغازية	Al-Rafidain Engineering Journal	2019	Local	Collaboration With researchers outside the department
20	Nooraldeen Saleh Khidhir Abdulrahman Habbo Mohammed	دراسة نظرية لتقييم اداء محرك احتراق داخلي يعمل بنظام القدح وباستخدام مزيج من الكازولين مع الوقود الحاوي على الاوكسجين	Journal of Engineering and Sustainable Development	2019	Local	
21	Mohammed Najeeb Abdullah Masters Student	نمذجة تشكيل المسننات ذوات الاسنان المستقيمة على البارد باستخدام DEFORM 3D	Al-Rafidain Engineering Journal	2019	Local	
22	Abdulhaqq A.hamid	تأثير سرعة وزاوية الصدم على سلوك التعرية للمواد البوليمرية المتراكبة	Al-Rafidain Engineering Journal	2019	web of science	
23	Abdulhaqq A.hamid	تصنيع جهاز قياس التعرية للمواد البوليمرية ومتراكباتها مع بعض النتائج التجريبية	Al-Rafidain Engineering Journal	2019	web of science	
24	Amir Sultan Daoud .et al	Numerical Analysis of Effect of Nano-particles on Fluid Flow and Heat Transfer by Forced Convection in Channel with different traingle configuration	AL-Rafidain Engineering Journal	2019	web of science	
25	Mohammed Tariq Sulaiman	A new mathematical analysis of two plane balancing for long rotors without phase data	Association of Arab universities journal of engineering science.	2019	web of science	
26	Zaid M.Almakhyoul ali,raed ahmed A Maan s.M.Al-Dabbagh	Effect of staggered non – conductive partition on heat transfer in a variable shape cavity	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	
27	Ramez Ibbrahim Said et al	A New Wind Tunnel Facility for Ice Crystal Icing Experiments	International Conference on Icing of Aircraft, Engines, and Structures	2019	web of science	Collaboration With researchers outside the department
28	Ramez Ibbrahim Said et al	Microwave Technique for Liquid Water Detection in Icing Applications	International Conference on Icing of Aircraft, Engines, and Structures	2019	web of science	Collaboration With researchers outside the department
29	Ramez Ibbrahim Said et al	Ice crystal icing wind tunnel at USQ: initial characterization	International Society for Air Breathing Engines	2019	web of science	Collaboration With researchers outside the department
30	Ismael,Qays Hazim Mohammed Shaalan Abed. et al	Estimation of Abrasive Wear of Brass Alloy Impeller	Journal of Southwest Jiaotong University	2019	Scopus	
31	Ismael,Qays Hazim Mohammed Shaalan Abed . et al	An Effect Of Welding Type On The Mechanical Properties Of Welding Joints	International Journal of Mechanical and Production	2019	Scopus	
32	Mohammed Shaalan Abed	Ultrasonic investigation of thermoplastic polymers	International Journal of Scientific & Technology Research	2019	Scopus	
33	Dr.Ammar Younis ibrahim Alrawy Yaser Shuker Mahmood et al	State of the art single objective optimization of small scale cylindrical cavity receiver	Sustainable Energy Technologies and Assessments	2019	Scopus	Collaboration With researchers outside the department
34	Saddam Atteyia Mohammad	Heat and mass transfer by hydromantic mixed convection flow along a vertical cylinder embedded in a non-Darcy porous medium with heat source.	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	
35	Maiser Idris Ismail et al	Robust Optimisation Of Serpentine Fluidic Heat Sinks For High Density Electronics Cooling	Proceedings of the 16th UK Heat Transfer Conference	2019	web of science	Collaboration With researchers outside the department
36	Omar Mohammad Hamdoon et al	Modeling and Simulation of a Desiccant Evaporative Cooling System	Tikrit Journal Of Engineering Sciences	2019	Local	
37	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
38	Adnan Mohammed Abdullah Masters Student	Enhancement of Heat Exchanger Effectiveness by Using Water- Al2O3 as a working substance	International Journal of Thermal Engineering	2020	web of science	
39	Adnan Mohammed Abdullah Masters Student	The Impact Of Alumina Nanoparticles Suspended In Ethylene Glycol On The Performance Efficiency Of A Double Pipe Heat Exchanger	Frontiers in Heat and Mass Transfer	2020	web of science	
40	Adnan Mohammed Abdullah Masters Student	Effect of Welding Current on Weldments Properties in MIG and TIG Welding	International Journal of Engineering & Technology	2020	web of science	

41	Zaha yousef Quraishat et al	The suitability of microscale compressed air axial turbine for domestic solar powered Brayton cycle	International Journal of Energy and Environmental Engineering	2020	Scopus	Collaboration With researchers outside the department
42	Omar Mohammad Hamdoon	Performance analysis of hybrid photovoltaic thermal solar system in Iraq climate condition	Thermal Science and Engineering Progress	2020	Scopus	
43	Omar Mohammad Hamdoon	Analysis of two-phase flow in a double-pipe heat exchanger filled with porous media	International Journal of Heat and Mass Transfer	2020	Scopus	
44	Saddam Atteyia Mohammad	Effects of Variable Viscosity on Heat and Mass Transfer by MHD Mixed Convection Flow Along a Vertical Cylinder Embedded in a Non-Darcy Porous Medium	Frontiers in Heat and Mass Transfer (FHMT)	2020	Scopus	
45	Mohammed Najeeb Abdullah Ammar Hazim Al-Anaz et al	A Finite Element Analysis of Biomechanics in Distraction Osteogenesis of Ascending Ramus Lengthening between males and females – A Comparative Study	Journal of Orofacial Sciences	2020	Scopus	Collaboration With researchers outside the department
46	Mohammed Saleh Mohammed Taha Ahmed Abdullah	Specific Exergy Costing Analysis and Optimization of CCPP Power Plant	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
47	ali,raed ahmed A	Analysis of The Natural Convection Heat Transfer Inside Square Enclosure Partially Divided by Non-Conductive Partitions	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
48	Al-sarraj,Ghaidaa ibraheem Suha Hashem Ahmed	Effect of natural and industrial fibers reinforcement on mechanical properties of polymeric matrix composites	International Journal of Advanced Science and Technology	2020	Scopus	
49	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	Scopus	Collaboration With researchers outside the department
50	Al-sarraf,Ziad Shakeeb Majid Midhat saeed	Modal Analysis for Solid and Hollow Ultrasonic Horn using FEM	2 <sup>nd</sup> International Scientific Conference Al-Ayen University IOP Conf. Series: Journal of Physics	2020	web of science	
51	Yaser Shuker Mahmood Nooraldeen Saleh Khidhir et al	A Review of a Mechanical Vapour Compression Refrigeration System: Environment and Performance Challenge	International Multi-Disciplinary Conference Theme: Sustainable Development and Smart Planning	2020	web of science	Collaboration With researchers outside the department
52	Omar Mohammad Hamdoon	Improving the Performance of a Flat Plate Solar Collector Using Nano fluid as Working Fluid	Al-Rafidain Engineering Journal	2020	Local	
53	Suha Hashem Ahmed Al-sarraj,Ghaidaa ibraheem	Finding the best rotational speed affecting the stresses analysis for gas turbine blades subjected to centrifugal forces.	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
54	Ahmed Fattah Ahmed	تأثير اداء المطارح الاعتيادية والمشرحة المصنعة محليا للمحركات المطرحي القلاب على متطلبات القدرة والمؤشرات المدروسة	-----	2020	Local	
55	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	
56	Dr.Anas Obeed Balod	Determination the stretch bending limit ratio for sheet metals during the stretch bending process	International journal of mechanical and production	2020	Scopus	
57	A.S.Abdalaziz Ahmed Nafie Rashid	Appropriate selection of mechanical element used in manufacturing load cell	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
58	Adnan Mohammed Abdullah Maan s.M.Al-Dabbagh	Design And Performance Analysis Of A Heat Exchanger Used In A Vapour Compression Refrigeration System	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
59	Dr.Anas Obeed Balod Al-sarraf,Ziad Shakeeb	Comparison between dynamic discrete element method and static discrete element method to determine neck size between powders during sintering process	Journal of Engineering Science and Technology	2020	Scopus	
60	Taha Ahmed Abdullah	Numerical investigation on wing performance using singularity method	International Journal of Mechanical and Production Engineering Research and Development	2020	Scopus	
61	Mohammed Shaalan Abed	Mechanical properties of nano-composite materials	Journal of Southwest Jiaotong University	2020	Scopus	
62	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
63	Omar Mohammad Hamdoon	A Review of Solar Air Heaters: Techniques for Thermal Performance Enhancement	Al-Rafidain Engineering Journal	2020	Local	
64	Amir Sultan Daoud Masters Student	دراسة عددية لمقارنة تأثير مولدات الدوامات ذات اشكال هندسية مختلفة على المشتات الحرارية ذات القنوات المايكروية المستطيلة	مجلة الهندسة والتنمية المستدامة	2020	Local	
65	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	

66	Abdulrahman Habbo Mohammed Nooraldeen Saleh Khidhir Yaser Shuker Mahmood	Effect of combustion duration on the performance and emission of four stork spark ignition engine using gasoline biofuel blend	International Journal of Mechanical and Production Engineering Research and Development	2021	Scopus	
67	Mohammed Najeeb Abdullah Ammar Hazim Al-Anaz et al	Does the flatting of the curve of spee affect the chewing force distribution in mandible? (3D finite element study)	Journal of Orofacial Sciences	2021	Scopus	Collaboration With researchers outside the department
68	Omar Dhannoon jumaah et al	Influence of precursor concentration on crystalline quality of GaN thin films grown on a sapphire wafer	Journal of Manufacturing Science and Engineering	2021	Scopus	Collaboration With researchers outside the department
69	Saddam Atteyia Mohammad et al	Hydromagnetic mixed convection along a vertical cylinder in a stratified non- Darcian porous medium	Proceedings of the 7th world congress on mechanical, chemical, and material engineering	2021	Scopus	
70	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	
71	Omar Dhannoon jumaah et al	Experimental Study of the Effect of Precursor Composition on the Microstructure of Gallium Nitride Thin Films Grown by the MOCVD Process	Journal of Heat Transfer	2021	Scopus	Collaboration With researchers outside the department
72	Mohammed Najeeb Abdullah Younis,Alaa Daham Abdulhaqq A.hamid	Simulation of Spur Gear Produced by Plastic Injection Method	Design Engineering	2021	Internation al	
73	Zaid M.Almakhyoul Masters Student	Mixed Convection of Heat Transfer around Rotating Cylinders inside Enclosure Filled with Nano Fluid	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2021	Internation al	
74	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
75	Mohammed Najeeb Abdullah Younis,Alaa Daham Abdulhaqq A.hamid	Simulation of spur gear produced by plastic injection methods	Design Engineering-Toronto	2021	International	
76	Abdulrahman Habbo Mohammed Maan s.M.Al-Dabbagh	Steam power plant performance opearating at high temperature and pressure conditions	International Research journal of innovation in Engineering and Technology ( IRJIET)	2021	Internation al	
77	Maan s.M.Al-Dabbagh .et al	Investigation of Compressed air losses on production cost for Mosul dairy factory	ELSEVIER, Materials Today	2021	Internationa l	
78	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	
79	Majid Midhat saeed Al-sarraf,Ziad Shakeeb	Using Artificial Neural Networks to Predict the Effect of Input Parameters on Weld Bead Geometry for SAW process	Journal Europeen des Systemes Automatises	2021	Scopus	
80	Dr.Anas Obeed Balod Amer Yahya Mohammed	The combining effect of changing forming path and heating effect during stretch forming process to enhance the formability of Al 6061 sheet	Journal of Mechanical Engineering Research and Developments	2021	Scopus	
81	Mohammed Tariq Sulaiman et al	The effect of floride gel on tensile properties, surface morphology and chemical composition of two types of orthodontic wires (an in-vitro study)	Journal of Orthodontic Science	2021	Scopus	Collaboration With researchers outside the department
82	Amir Sultan Daoud Masters Student	Conjugate Heat Transfer of Nanofluid Flow Inside A Micro-Wavey Channel	Al-Rafidain Engineering Journal	2021	Local	
83	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
84	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
85	Taha Ahmed Abdullah Mohammed Saleh Mohammed Najim,Younis M	ON CFD WING PERFORMANCE FOR ULTRA-LIGHT AIRPLANE	International Journal of Mechanical Engineering	2022	Scopus	
86	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	



87	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
88	Sufyan A.Mohammed et al	Fault Diagnosis of Crack on Gearbox Using Vibration-Based Approaches	Symmetry publisher MDPI	2022	Scopus	Collaboration With researchers outside the department
89	Al-sarraj,Ghaidaa ibraheem	EXAMINATION OF WELDING DEFECTS OF METAL ALLOYS RESULTING FROM CHANGING THE DIAMETERS OF THE WELDING WIRE USING ELECTRIC ARC WELDING	International Research Journal of Modernization in Engineering Technology and Science	2022	International	
90	Suha Hashem Ahmed Al-sarraj,Ghaidaa ibraheem	A Comparative Study of the Experimental Results of Mechanical Tests of Composite Material Made of Polyester-Reinforced Fiber and Glass Powder	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
91	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	International	
92	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	International	
93	Nooraldeen Saleh Khidhir Anwar Mohammed Mustafa Abdul Arab Ghazi Azeez	Fabrication and Evaluation of Proper Building Thermal Insulation Materials	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
94	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	International	
95	Nooraldeen Saleh Khidhir Abdulrahman Habbo Mohammed Yaser Shuker Mahmood	TURBULENT FLAME SPEED IN SPARK IGNITION ENGINES FOR BIOFUEL AND GASOLINE BLEND	International Journal on “Technical and Physical Problems of Engineering” (IJTPE)	2022	Scopus	
96	Dr.Omer S.Alabidalkreem Awad Hallosh Khidhir Masters Student	Calculating the Effective Moisture Diffusivity during Drying Process of Gypsum Board	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
97	Saddam Atteyia Mohammad	Effects of Soret and Dufour on Mixed Convection over a Cone in a Non-Darcy Porous Medium with Chemical Reaction	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
98	Al-sarraf,Ziad Shakeeb	The Influence of Dynamics and Vibrational Characteristics on Weldability of Joining Metals Ultrasonically	International Journal of Mechanical Engineering	2022	International	
99	Suha Hashem Ahmed	Effect of adding metallic and non metallic materials on some mechanical properties of unsaturated polyester	International research journal of modernization in engineering technology and science	2022	International	
100	Saddam Atteyia Mohammad Masters Student	Effects of Radiation on Free Convection Non-Darcy Flow along Non-isothermal Vertical Wall Embedded in a Porous Medium with Heat Generation	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
101	Suha Hashem Ahmed Al-sarraj,Ghaidaa ibraheem	A comparative study of the experimental results of mechanical tests of composite material made of polyester -reinforced fiber and glass powder	International research journal of innovations in engineering and technology (IRJIET)	2022	International	
102	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	International	
103	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	International	
104	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	International	
105	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	International	
106	Dr.Ammar Younis ibrahim Alrawy Al-sarraf,Ziad Shakeeb Masters Student	Studying the effect of the tracking system on the solar collector	Eurasian Journal of Engineering and Technology	2022	International	
107	Dr.Ammar Younis ibrahim Alrawy Masters Student	Effect of Plane Boundary Layer on Air Flow Around Two Circular Cylinders in Tandem Arrangement	International Research Journal of Innovations in Engineering and Technology	2022	International	
108	Abdulrahman Habbo Mohammed Masters Student	Exergy Analysis of Combined Gas Turbine Unit	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
109	Abdulrahman Habbo Mohammed Masters Student	CFD Modeling of Natural Gas under Different Operating Condition	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	
110	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	International	

111	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	International	
112	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	International	
113	Ismael,Qays Hazim	Investigation of mechanical properties of low carbon steel weldments for different welding processes	SVU-International Journal of Engineering Sciences and Applications	2022	عربية	
114	Suha Hashem Ahmed Zenaa M.Abid	A review on the development of mechanical properties of polyester epoxy resins reinforced with different powders fibers materials	SVU -international journal of Engineering sciences and Applications	2022	عربية	
115	Abdulhaqq A.Hamid et al	A comparative study of microstructure mechanical and Tribology properties of cast in situ particulates Al(Mg Mn)-Al <sub>2</sub> O <sub>3</sub> -(MnO <sub>2</sub> ) and Al(Mg Ti)-Al <sub>2</sub> O <sub>3</sub> (TiO <sub>2</sub> ) composites	Al Rafidain Engineering Journals	2022	Local	Collaboration With researchers outside the department
116	Abdulhaqq A.hamid Amir Sultan Daoud	Review on the thermal characteristics of rotary friction welding	Al Rafidain Engineering Journal	2022	Local	Collaboration With researchers outside the department
117	Abdulhaqq A.hamid Amir Sultan Daoud	Effect of key processing parameters of continuous drive rotary friction welding on thermal characterization of similar and dissimilar joint	Al Rafidain Engineering Journal	2022	Local	Collaboration With researchers outside the department
118	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
119	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	International	
120	A.S.Abdalaziz Ahmed Nafie Rashid	Effect of applied static stresses on the behaviour of mechanical elements	International journal on technical and physical problems of engineering	2022	Scopus	
121	Omar Mohammad Hamdoon Masters Student	التصميم والتقييم الحراري لمكيف هواء شمسي هجين في الموصل / العراق	Al-Rafidain Engineering Journal	2022	Local	
122	Amir Sultan Daoud Abdulhaqq A.hamid Masters Student	Effects of Key Processing Parameters of Continuous Drive Rotary Friction Welding on Characteristics of Similar and Dissimilar Joints	Al-Rafidain Engineering Journal	2022	Local	
123	Majid Midhat saeed Mohammed Najeeb Abdullah Younis,Alaa Daham	EFFECT OF CHANGE IN FORMING DIES SHAPE AND METALS ON EXTRUSION FORCE - NUMERICAL ANALYSIS AND EXPERIMENTAL STUDY	International Journal on "Technical and Physical Problems of Engineering	2022	Scopus	
124	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	International	
125	A.S.Abdalaziz Ahmed Nafie Rashid Abdulhaqq A.hamid	Effect of applied static stresses on the behavior of mechanical element	International journal on technical and physical problems of engineering (IJTPE)	2022	Scopus	
126	Mohammed Najeeb Abdullah et al	Select the Optimum Die Design for Flange Coupling Forming By Hot Forging	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	Scopus	
127	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	International	
128	Al-sarraj,Ghaidaa ibraheem Suha Hashem Ahmed	The effect of sulfurous water on the corrosion behavior of carbon steel with different carbon ratio	AIP Conference Proceedings	2022	Scopus	
129	Dr.Anas Obeed Balod Ismael,Qays Hazim Mohammed Shaalan Abed	The effect of forming speed on the position of necking during sheet metal forming process	International Journal on Technical and Physical Problems of Engineering(IJTPE)	2022	Scopus	
130	Dr.Anas Obeed Balod et al	Evaluating the performance of a hammer mill through using different types of locally manufactured hammers	Mesopotamia journal of Agriculture	2022	Local	Collaboration With researchers outside the department
131	Mohammed Tariq Sulaiman	Active Balancing Disk of Rotor-Bearing Systems Based on Vibration Amplitude Data: MATLAB-Aided Wireless Control	Journal of Vibration Engineering and Technologies	2022	Scopus	
132	Abdulrahman Habbo Mohammed Masters Student	CFD Modeling of Natural Gas under Different Operating Condition	International Research Journal of Innovations in Engineering and Technology	2022	International	
133	Abdulrahman Habbo Mohammed. et al	Exergy Analysis of Combined Gas Turbine Unit	International Research Journal of Innovations in Engineering and Technology (IRJIET)	2022	International	Collaboration With researchers outside the department
134	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	International	

135	Ali Alkhabbaz Ho-Seong Yang Watchara 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
136	Ho-Seong Yang Ali Alkhabbaz Watchara Tongphong Dylan Sheneth Edirisinghe Young-Ho Lee	FOWT stability study according to number of columns considering amount of materials used	Energies	2022	Scopus	Collaboration With researchers outside the department
137	Hudhaifa Hamzah Laith M. Jasim Ali Alkhabbaz	Preferred location of the porous sleeve in a concentric annulus depending on the thermal insulation	Proceedings of the institution of mechanical engineers part C: Journal of	2022	Scopus	Collaboration With researchers outside the department
138	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
139	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	
140	Dr.Omer S.Alabidalkreem Awad Hallosh Khidhir باحث اخر	Manufacture Dry Porous Materials with Crack Free	International Journal of Advanced Research in Engineering Innovation	2023	International	
141	Younis,Alaa Daham et al	Mathematical Modelling and PID Controller Implementation to Control Linear and Nonlinear Quarter Car Active Suspension	مجلة هندسة الرافدين	2023	Local	
142	Younis,Alaa Daham Al-sarraf,Ziad Shakeeb et al	Analysis of The Effect of Ultrasonic Excitation on The Wire Drawing Process for Aluminium Wire Using Finite Element Method	International Journal of Advanced Research in Engineering Innovation	2023	International	
143	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	
144	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
145	Ismael,Qays Hazim Mohammed Shaalan Abed Zenaa M.Abid	Effect of Friction Stir Welding Parameters on Welding Joint Characteristics : A review	SVU-International Journal of Engineering Sciences and Applications	2023	عربية	
146	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	
147	Abdulhaqq A.hamid .et al	A PRACTICAL MEASUREMENTS OF FRICTION COEFFICIENTS DURING COMPACTION PROCESS OF DIFFERENT CERAMIC POWDERS	International Journal on Technical and Physical Problems of Engineering (IJTPE)	2023	Scopus	Collaboration With researchers outside the department
148	Abdulrahman Habbo Mohammed Najim,Younis M et al	CFD of Fully Developed Channel Flow	International Journal of Advance Research in Engineering Innovation	2023	International	
149	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
150	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
151	Mohammed Najeeb Abdullah et al	PowerScope 2 functional appliance: A 3D finite element simulation of its action on the mandible	Journal of Oral Biology and Craniofacial Research	2023	Scopus	Collaboration With researchers outside the department
152	et Abdulhaqq A.hamid al	Influence of Some Key Parameters on Erosion Rate for Composite Materials	International Journal of Advanced Research in Engineering Innovation	2023	International	Collaboration With researchers outside the department
153	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	
154	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

155	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	
156	Al-sarraf,Ziad Shakeeb et al	Design Optimization of Two Diagonal Slotted Block Horn for Ultrasonic Plastic Welding	International Journal of Advanced Research in Engineering Innovation	2022	International	Collaboration With researchers outside the department
157	Al-sarraf,Ziad Shakeeb et al	Finite Element Simulation and Stress Analysis of Gas Turbine Blade Due to Centrifugal Force	International Journal of Advanced Natural Sciences and Engineering Researches	2023	International	Collaboration With researchers outside the department
158	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	International	Collaboration With researchers outside the department
159	Omar Dhannoon jumaah	Manufacturing of Gallium Nitride Thin Films in a Multi-Wafer MOCVD Reactor	Journal of Thermal science and engineering application	2023	Scopus	
160	Adnan Mohammed Abdullah et al	-EXPERIMENTAL COMPARISON OF THERMAL PERFORMANCE BETWEEN V CORRUGATED AND FLAT PLATE SOLAR COLLECTORS	International Journal on Technical and Physical Problems of Engineering (IJTPE)	2023	Scopus	Collaboration With researchers outside the department
161	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
162	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
163	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
164	Ali Alkhabbaz et al	The Effect of Nacelle Shape and Blade Geometry on the Performance of Small Scale Wind Turbine	Journal of Sustainability Research	2024	Scopus	Collaboration With researchers outside the department
165	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 Management	2024	Scopus	Collaboration With researchers outside the department
166	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	
167	Zaid M.Almakhyoul et al	-Enhancing Solar Panel Cooling and Thermal Efficiency Using Nanoparticle Enhanced Phase Change Materials	Mathematical Modelling of Engineering Problems	2024	Scopus	Collaboration With researchers outside the department
168	Zenaa M.Abid Ismael,Qays Hazim Mohammed Shaalan Abed	Study the corrosion behavior of low-carbon steel weldments immersed in tap water	Al-Qadisiyah Journal for Engineering Sciences	2024	Scopus	
169	Masters Student Saddam Atteyia Mohammad	Thermodynamic Design of 10 TR Single-Effect LiBr-H2O Absorption Refrigeration System	Al-Rafidain Engineering Journal (AREJ)	2024	Scopus	
170	Abdulhaqq A.hamid	Enhancement of Mechanical Properties in Copper Matrix Composites through Cold and Hot Powder Compaction Techniques	Journal of Composite and Advanced Materials	2024	Scopus	
171	Masters Student Abdulhaqq A.hamid	A Solid Particle Erosion of Composite Materials: Review Paper	Al-Rafidain Engineering Journal (AREJ)	2023	Scopus	
172	Suha Hashem Ahmed Al-sarraj,Ghaidaa ibraheem Zenaa M.Abid	Finite Element Analysis for Cylindrical and Balling Bearings Under Static and Dynamic Loads A-review paper	SVU-International Journal of Engineering Sciences and Applications	2024	عربية	
173	Masters Student Mohammed Najeeb Abdullah	Simulation of Direct Extrusion Process of Aluminum Alloy Using the Finite Element Method	Al-Rafidain Engineering Journal (AREJ)	2024	Scopus	
174	Abdulhaqq A.hamid Mohammed Najeeb Abdullah	Optimal Design of Catenoidal Sonotrode for Ultrasonic Welding Process	International Journal of Mechanical Engineering and Robotics Research	2024	Scopus	
175	Masters Student Mohammed Najeeb Abdullah	Experimental Investigation of the Effect of Die Shape on Mechanical Properties of Aluminum Alloy by Hot Direct Extrusion Process	International Journal of Mechanical Engineering and Robotics Research	2024	Scopus	
176	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	
177	Yaser Shuker Mahmood	Three Dimensional CFD Analysis of Horizontal Wind Turbine Designed for Mosul City Weather Conditions	Lecture Notes in Mechanical Engineering	2024	scopus	



178	Ataalah Hussain Jasim et al	Review of the Fin Optimization in the Heat Sink Design	International Review of Mechanical Engineering (I.RE.M.E.)	2024	International	Collaboration With researchers outside the department
179	Masters Student Younis,Alaa Daham	Mathematical Modelling and PID Controller Implementation to Control Linear and Nonlinear Quarter Car Active Suspension	Al-Rafidain Engineering Journal (AREJ)	2023	Scopus	
180	Masters Student Abdulrahman Habbo Mohammed	Thermal analysis of an integrated solar combined cycle power plant and its application in southern Iraq	Al-Qadisiyah Journal for Engineering Sciences	2024	Scopus	
181	al-sarraf,ziad Shakeeb	Modeling of Resistance Spot Welding Using FEM	Journal of Manufacturing Engineering	2023	International	