

## Department of Mechanical Engineering

Author	Research Title	Journal	Year of Publication
Mohammad Gogazeh, Hassan Al-Dabbas, Nabil Musa and Sayel M. Fayyad	Finite Element Analysis Of Thermal Loads Of Mechanical Structures	Journal of Harbin Engineering University	05 May 2025
Nabil Musa , Mohammad Gogazeh, Hassan Al-Dabbas and Sayel M. Fayyad	Comparing Strength Natural Fibres.	International Conference on Technical application of Artificial Intelligence (ICTAAI 2025)	10- July 2025 Jordan.
Muhammad Gogazeh, Hasan Al Dabas, and Nabil Musa	Mathematical Model and Theoretical Investigation of the Performance of Journal Bearing using a discretized Reynolds Lubrication Equation with finite Width.	WSEAS, Transactions on applied and Theoretical Mechanics	December 31, 2023.
Sayel M. Fayyad <sup>1</sup> , Nabil Musa, Hassan Dabbas, and Muhammad Gogazeh	Static And Dynamic Analysis Of Bevel Gear Set	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	Oct. 2017
Assim Hameed Yousif Al Daraje <sup>1</sup> , Afrah Turki Awad <sup>2*</sup> , Mohamed Gogazeh <sup>3</sup> , Hanan Afeef	Assim Hameed Yousif Al Daraje <sup>1</sup> , Afrah Turki Awad <sup>2*</sup> , Mohamed Gogazeh <sup>3</sup> , Hanan Afeef impact of measurements techniques on heat transfer characteristics in air jet arrays	Journal of Engineering and Sustainable Development	2024

Rami ALkhalil, Shatha Ammourah, Kasim Mousa Alwan AL- Aubidy	Real-time monitoring and assessment of the Indoor Air Quality hazard using deep learning approach	I-mangers Journal, vol-1, 2023	2023
Vikram G. Kamble, Shreedhar Kolekar, H.S. Panda, Shatha Ammourah, T. Jagadesha	Magneto rheological fluid: Fabrication and characterization of its temperature-dependent properties	Materials today proceedings Volume 45, Part 6, <b>2021</b> , Pages 4813-4818	2021
Hasan ALDabbas, Abhishek Agarwal, Masengo Ilunga, Ibrahim M. Aladwan, Omar Badran, Ibrahim I. Ikhries	Comparative Investigation of Mechanical Characteristics and Microstructure in Maraging Steel Fabricated via DMLS and CNC Techniques	International Journal of Computational Methods and Experimental Measurements Vol. 13, No. 1, March, 2025, pp. 53-60 Journal homepage: <a href="http://iieta.org/journals/ijcmem">http://iieta.org/journals/ijcmem</a>	2024
Ibrahim M. Aladwan, Hasan Abdelrazzaq AL Dabbas, Ayman. M. Maqableh, Sayel M. Fayyad, O. Miroshnyk, Taras Shchur, V. Ptashnyk	research the effect of the fractional number slots of pole on wind turbine generation using the enhanced spotted hyena optimization algorithm	Informatics, Control, Measurement in Economy and Environmental Protection	2023
Munzer S. Y. Ebaid, Ayoup Ghraid, James Roscow, Feras Batarseh, Christopher Bowen.	Exploring the Potential of PV panels Based on Metallic and Non- Metallic Nanofluids: An Experimental Study.	Advances in Mechanical Engineering.	2024

Munzer S. Y. Ebaid, Zin Alabdin Shahin, Mohammad Alshawabkeh.	Numerical Analysis and Modelling of the Effectiveness of the Micro Wind Turbines Installed in an Electric Vehicle as a Range Extender”	SAE International Journal of Electrified Vehicles.	2023
Munzer S. Y. Ebaid, Zin Alabdin Shahin, Mohammad Alshawabkeh.	Feasibility Study of Micro-wind Turbine Installed on an Electric Vehicle as a Range Extender Using Real Time Analytical Simulation with Multi Driving Scenarios”.	Advances in Mechanical Engineering.	2023
Munzer S. Y. Ebaid, Mamdoh Al-Busoul, Ayoup Ghrair.	Performance Enhancement of Photovoltaic (PV) Panels Using Different Types of Nano fluids.	Heat Transfer research, Wiely,	2020