

JOURNAL PUBLICATIONS:

1. **Munzer S. Y. Ebaid**, Ayoup Ghrair, 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*. Vol. 16(1), 2024. <https://doi.org/10.1177/16878132231220354>.
2. **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*. Vol. 13(2), 2023. **Scopus (Q2), IF: 1.19**. <http://dx.doi.org/10.4271/14-13-02-0010>.
3. **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*. Vol. 14(7), 2023. **Scopus (Q2), IF: 1.9**. <http://dx.doi.org/10.4271/14-13-02-0010>.
5. **Munzer S. Y. Ebaid**, Mamdoh Al-Busoul, Ayoup Ghrair. Performance Enhancement of Photovoltaic (PV) Panels Using Different Types of Nanofluids. *Heat Transfer research*, Wiely, Vol. 49(1), pp. 1-34, 2020. <http://dx.doi.org/10.1002/htj.21745>.
6. **Munzer S. Y. Ebaid**, Belal Shehadeh. "Design, Build, and Test a Hybrid Cooling System for Crash Helmet". *Experimental Techniques*. Vol.43(5) , pp. 613-633, 2019. **(Springer, IF: 0.806)**. <http://dx.doi.org/10.1007/s40799-019-00319-x>.
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8. **Munzer S. Y. Ebaid**, and Qusai Z. Al-hamdan. "New approach of gas turbine component matching for electrical power generation". *International Journal of Mechanical Engineering and Applications*, Vol. 5(4), pp. 214-222, 2017.
9. **Munzer S. Y. Ebaid**, and Qusai Z. Al-hamdan. "Design of a single stage centrifugal compressor". *American Journal of Aerospace Engineering* ,Vol. 4(2), April, 2017.
10. **Munzer S. Y. Ebaid**, Laith R. Batarseh "Eccentricity effect on heat transfer in an annular square filled with saturated porous medium", *Journal of Porous Media*, Vol. (20), pp., 2016. **(Elsevier, IF: 1.03)**.
11. **Munzer S. Y. Ebaid**, J. M Al-Khishali, "Measurements of the laminar burning velocity for propane: Air mixtures", *Advances in Mechanical Engineering Journal*, Vol. 8(5), pp. 1-17, 2016. **(SAGE, IF: 0.827)**.

12. **Munzer S. Y. Ebaid**, A. Fahoum, "Design of fuel control system using fuzzy logic for a pre-designed radial gas turbine driving directly high speed permanent magnet alternator". **International Journal of Modelling and Simulation**, Vol. 36(4), pp. 141-161, 2016. (Scopus).
13. **Munzer S. Y. Ebaid**, Shatha Amoral, Kutiaba J.M Al-khishali, "Design, build, and test a formula student racing car: An educational engineering exercise at Philadelphia University". **International Journal of Mechanical Engineering Education**, vol. 44(1), pp. 56-93, 2016. (Scopus, ERA).
14. **Munzer S. Y. Ebaid**, Handri Ammari, "Modelling and analysis of unsteady-state thermal performance of a single-slope tilted solar still". **Renewables: Wind, Water, and solar Journal**, Vol. 2 (11), 2015.
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18. Hamed M., **Ebaid M. S. Y.**, "Comparative economic viability and environmental impact of PV, diesel and grid systems for large underground water pumping application (55 wells) in Jordan", **Renewables: Wind, Water, and Solar Journal**, Vol. 2 (12), 2015.
20. Hamed M., **Ebaid M. S. Y.**, Halaseh G., and Erekat B., "The Use of a Photovoltaic Solar Electrical generator for Peak Load Shaving", **Jordan Journal of Mechanical and Industrial Engineering JJMIE**, Vol. 9 (1), pp. 45-59, Feb., 2015. (Scopus:Q2).
21. **Ebaid M. S. Y.**, Haddad O. M., and Bader L., "Numerical Investigation of Laminar Flow in Irregular Annular Ducts", **Energy Conversion and Management**, Vol. 85(6), pp. 511–520, June, 2014. (Elsevier, IF:7.181).
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25. **Ebaid M. S. Y.**, and K. J.M. Al-Khishali, "The Effect of Multiple Conical Shockwaves at the Engine Intake on the Performance of a Single Mode Ram Jet", **I. Mech. E., Journal of Aerospace Engineering, Part G**, vol. 228(7), pp. 1183-1194, 2013. (SAGE, 1.104).
26. Obaid, Hani, **Ebaid, M. S. Y.**, "Energy Mix In Jordan - Current Situation and Future Trends" **Int. J. on Recent Trends in Engineering and Technology**, Vol. 6(1), Nov 2011.
27. **Ebaid M. S. Y.**, and Mohamad Y. Mustafa., "Design Methodolgy of a Proton Exchange Membrane (PEM) Modular Fuel Cell 100W Power Output", **Journal of Fuel Cell Science and Technology**, June, 2011. **Trans. ASME**.
28. **Ebaid M. S. Y.**, and Mohamad Y. Mustafa., "A hybrid power plant to reduce emission", **Jordan Journal of Mechanical and Industrial Engineering (JJMIE)**, Vol5, No.2, April, 2011. (Scopus).

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33. Al-Hassen T. S., Patrick C. K., Bhinder F. S, **Ebaid M. S. Y.**, "Modular Design of High-speed Permanent Magnet Axial Flux Generator", **on Magnetism**, Vol. 36, No. 5, Sept., 2000. **Trans. IEEE**.

CONFERENCE PUBLICATIONS:

1. **Munzer S. Y. Ebaid.** "Off Grid Portable Solar PV System for emergency Conditions". SSD 2020: 17th Multi-conference on Systems, Signals and Devices. **IEEE**, March, 23-26, 2023. AlMahdyah, Tunis.
2. **Munzer S. Y. Ebaid,** Ayoup Ghrair, Feras Batarseh, James Rescow, Christopher Bowen. "Experimental Investigation of Cooling PV Panels Based on Calcium Carbonate, Ferro- magnetite, Water, and Air (without cooling)". 11th International Conference on Renewable Energy and Research Applications (ICRERA). **IEEE**. Sep. 16-22, Istanbul-Turkey, 2023..
3. **Munzer S. Y. Ebaid,** Mamdoh Al-Busoul Ayoup ghrair, "Effect of magnetic field on heat transfer enhancement using Fe₃O₄ nanofluids in a heated pipe". **16th International Multi- Conference on Systems, Signals & Devices, Conference on Sensors, Circuits & Instrumentation Systems**. Istanbul, Turkey, March 21 -24, 2019.
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5. Mohammed Khasawneh, Mohammad Malkawi., Omar Al-Jarrah., Liath Barakat., **Ebaid M. S. Y.**, "A Biometric-Secure e -Voting System for Election Processes ", **Proceeding of the 5th International Symposium on Mechatronics and its Applications (ISMA08)**, Amman, Jordan, May 27-29, 2008.
6. Bhinder, F. S., **Ebaid M. S. Y.**, Mustafa, M. F., Clay, R., "Parametric Study of the Fuel Cell- Gas Turbine Combined Power Plant (GT2006 - 90607)", **Proceedings of Turbo Expo 2006: ASME Turbo Expo 2006 Power for Land, Sea & Air**, May 14-17,2006-Barcelona,Spain.