

Publications

Title	SJR	Cited by	Year	Department
Year 2022				
Abdullah MZ, Yu KH, Loh HY, Kamarudin R, Gunnasegaran P, Alkhawji A. Influence of Nanoparticles on Thermophysical Properties of Hybrid Nanofluids of Different Volume Fractions. <i>Nanomaterials (Basel)</i> . 2022 Jul 27;12(15):2570. doi: 10.3390/nano12152570. PMID: 35957001; PMCID: PMC9370409.	Q1	2	2022	ME
Ali Shrif, Abdusalam Alkhawji. Effect of a Heuristic control scheme on the wall bounded turbulence. 1st International conference of Engineering Sciences, 491-502, 2022	NO		2022	ME
O. M. Elmabruk, Galal H. Senussi, Muamar M. Benisa, Hitem A. Aswihli. Project Scheduling Using Fuzzy Logic Approach to Critical Path Analysis. <i>Journal of Academic Research (Applied Sciences)</i> , 22, 7-11,2022	NO		2022	ME
Elhamali, S. O., Akhil, M. N., Abusabee, K. M., Kalfagiannis, N., & Koutsogeorgis, D. C. (2022). Environmental Stability Evaluation of Aluminium Doped Zinc Oxide (AZO) Transparent Electrodes Deposited at Low Temperature for Solar cells. <i>Solar Energy and Sustainable Development Journal</i> , 11(1), 1–12. https://doi.org/10.51646/jsesd.v11i1.122	NO		2022	EE
S. A. Almazok. Performance Analysis of mm-Wave Inset-Fed Rectangular Patch Antenna Employing Polyimide Substrate for 5G System. <i>Tobruk University Journal of Engineering Sciences (TUJES)</i> 3 (02), 1-10, 2022	NO		2022	EE
Year 2021				
Abdusalam Alkhawji, Salem Elbahloul, Mohd Zulkifly Abdullah, Khairil Fadzli Bin Abu Bakar, Selected water thermal properties from molecular dynamics for engineering purposes, <i>Journal of Molecular Liquids</i> , Volume 324, 2021, 114703, ISSN 0167-7322, https://doi.org/10.1016/j.molliq.2020.114703 .	Q1	15	2021	ME
Nooraddein A. Ekayem, Almahdi A. Alhwaige, Wael Elhrari, Mohamed Amer, Removal of lead (II) ions from water using chitosan/polyester crosslinked spheres derived from chitosan and glycerol-based polyester, <i>Journal of Environmental Chemical Engineering</i> , Volume 9, Issue 6, 2021, 106628, ISSN 2213-3437, https://doi.org/10.1016/j.jece.2021.106628 .	Q1	9	2021	ChE
A Alkhawji, AS Ali Shrif, M Zulkifly A.,	NO		2021	ME

Computational Analysis of Water/Cu nanofluid Dynamic Viscosity using Molecular Dynamic Simulations, The 4th conference for engineering sciences and technology (CEST-2021) 4				
Muamar M. Ben Isa, Hitem A. Aswihli and A. Alkhawji. EXPERIMENTAL INVESTIGATION OF CUTTING PARAMETERS ON SURFACE ROUGHNESS DURING DRY AND WET TURNING OF LOW CARBON STEEL. Journal of Academic Research (Applied Sciences), VOL.17, January 2021	NO	3	2021	ME
منصور ابراهيم بن عروس، محاكاة تأثير التصدعات على الأنابيب المرنة (Coiled`Tubing) باستخدام Ansys، مجلة الجامعة الاسمرية : العلوم الأساسية والتطبيقية، المجلد 6، العدد 5، ديسمبر 2021، عدد خاص بالمؤتمر الرابع للعلوم الهندسية والتقنية (CEST-2021)	NO		2021	ME
منصور بن عروس، سعد غيطان، مصطفى حكومة، مصطفى حكومة، التغيرات في بعض الخواص الميكانيكية للأنابيب المرنة (Coiled`Tubing) تحت ظروف التشغيل وتراكم الأضرار، المؤتمر العلمي الثالث للنفط والغاز - اجاديبا، الفترة من 10-11/فبراير / 2020، صفحات 44-54	NO		2021	ME
A. Shokshk, M. Shokshok. Effects of the Combination Postures of Trunk, Shoulder and Leg on Perceived Exertion in Manual Handling Tools, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021) , 454-465	NO		2021	ME
بشير صالح يونس، مصطفى حكومة، معمر بن عيسى، هيثم السويحلي، غيث أبراهيم ، دراسة عوامل القطع المثلى لخشونة السطح في عملية الخراطة الطولية لعينة من سبيكة الألومنيوم باستخدام طريقة تاكوتشي، مجلة الجامعة الاسمرية : العلوم الأساسية والتطبيقية، المجلد 6، العدد 5، ديسمبر 2021، عدد خاص بالمؤتمر الرابع للعلوم الهندسية والتقنية (CEST-2021)	NO		2021	ME
Abubkr M. Hemer , L.J. Milovic , Muammar M. Ben Isa, A. Sharf. TEM Image Analysis of Fracture Surfaces of P91 Steel and Comparison with Mechanical Properties, JOURNAL OF MARINE SCIENCES & ENVIRONMENTAL TECHNOLOGIES VOL.7, Issue NO. 2, Dec 2021, 88-96	NO		2021	ME
Sofia, Mustafa M. and Farhat, Ibrahim A. and Kagilik, Ahmed S., Investment Promotion in Renewable Energy in Libya; Vision & Methodology (July 26, 2021). AIUE Proceedings of the 2nd Energy and Human Habitat Conference 2021, Available at SSRN: https://ssrn.com/abstract=3901356 or http://dx.doi.org/10.2139/ssrn.3901356	NO	2	2021	EE
I.A. Farhat, Short-term Load Forecasting using Support Vector Machines Augmented by an Improved Bacterial			2021	EE

Foraging Algorithm, International Journal of Engineering and Information Technology (IJEIT), VOL.7, NO. 2, Dec 2021				
I. A. Farhat. A Modified Dynamic Bacterial Foraging Algorithm for an Enhanced Power System State Estimation, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021) , 461-469	NO	2	2021	EE
Fthi M. A. Albkosh, Alsadeh S. S. Mohamed, Ali A. Elrowayati, Mamamer M Awinat. Features Optimization of Gray Level Co-Occurrence Matrix by Artificial Bee Colony Algorithm for Texture Classification, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021)	NO		2021	EE
S. A. Almazok. A Flexible and Compact 28 GHz Inset Fed Rectangular Patch Antenna Based on Circuit in Plastic Technology for 5G System, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021), 512-522	NO	1	2021	EE
Abdalkarim Hadoud, Milad Elgargni, Tareq Elgargani, Salem Abid. The Application of an Intelligent Adaptive Controller for Permanent Magnet Synchronous Motor Drive using Neural Network, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021), 558-568	NO		2021	EE
ايمن هدية الكوت، محمود علي خليفة، مختار معمر ابوراوي، تأثير زمن الدمك على مقاومة الخرسانة للضغط، مجلة الجامعة الاسمرية : العلوم الأساسية والتطبيقية، المجلد 6، العدد 5، ديسمبر 2021، عدد خاص بالمؤتمر الرابع للعلوم الهندسية والتقنية (CEST-2021)	NO		2021	CE
ايمن هدية الكوت، مختار معمر ابوراوي، تحسين بعض خواص الخرسانة الاسمنتية باستخدام البوليمر، مجلة الجامعة الاسمرية : العلوم الأساسية والتطبيقية، المجلد 6، العدد 5، ديسمبر 2021، عدد خاص بالمؤتمر الرابع للعلوم الهندسية والتقنية (CEST-2021)	NO		2021	CE
رمضان محمد البتي، مختار معمر أبوراوي، الأمين صالح اسريح، تأثير إضافة الميكرو والنانو سيليكات علي خواص المرونة الإسمنتية، مجلة الجامعة الاسمرية : العلوم الأساسية والتطبيقية، المجلد 6، العدد 5، ديسمبر 2021، عدد خاص بالمؤتمر الرابع للعلوم الهندسية والتقنية (CEST-2021)	NO		2021	CE

M.A. Aldeib, A.M. Bshish, A.S. Ebshish. Energy Analysis Using Matlab Graphical User Interface of Cement Rotary Kiln for Alburge Cement Plant: A Case Study, Journal of Alasmarya University: Basic and Applied Sciences, Vol. 6, No. 5, December 2021, Special Issue for Forth Conference on Engineering Science and Technology (CEST-2021)	NO		2021	ChE
Year 2020				
A Alkhwaji, Salem Elbahloul, M. S. Farhat, Lammops as Nano-scale Lab to Estimate Fluid Thermal Properties from Molecular Dynamics, Third Conference for Engineering Sciences and Technology (CEST-2020) 01-03 December 2020 /Alkhoms - Libya	NO	3	2020	ME +ChE
A Alkhwaji, B KFBA, MZ Abdullah. The Comparison Between Water Models In Predicting Water Thermal And Dynamic Properties From Molecular Dynamics. International Journal of Scientific & Technology Research, 9 (08), 6, 2020	NO	7	2020	ME
Muamar M. Ben Isa, H. A. Aswihli, A. M. Sharf. THE EFFECT OF PACK CARBURIZING ON HARDNESS AND FATIGUE STRENGTH OF LOW CARBON STEEL. Journal of Applied Science (JAS) 33 (2)	NO		2020	ME
I A Farhat, A O Hawal. Optimized Maximum Loadability of Power Systems using an Enhanced Dynamic JAYA Algorithm. <i>International Journal of Advances in Signal and Image Sciences</i> 6 (2), 1-7	NO	2	2020	EE
I A Farhat. (2020). A Dynamic Bacterial Foraging Search Algorithm for Maximum Loadability of Power Systems. Third International Conference on Technical Sciences (ICST2020), 28 – 30.	NO	1	2020	EE
Mohamed Elsharif, & Tareq Elgargani. (2020). QUICK-RESPONSE FUZZY-CONTROLLED INDUCTION MOTOR DRIVE . <i>INTERNATIONAL JOURNAL OF ADVANCES IN SIGNAL AND IMAGE SCIENCES</i> , 6(2), 20–28. https://doi.org/10.29284/ijasis.6.2.2020.20-28	NO	1	2020	EE
Almazok, S.A., Bilgehan, B. A novel dynamic source routing (DSR) protocol based on minimum execution time scheduling and moth flame optimization (MET-MFO). <i>J Wireless Com Network</i> 2020 , 219 (2020). https://doi.org/10.1186/s13638-020-01802-5	Q1	18	2020	EE
Mohamed A. Aldeib, Younes H.Brakes ,Alsadek A. Alguail, Ali H. Al-Eggiely. Optimization of Calcium Carbonate Requirements in Rotary Kilns Lebda Cement Plant for Carbon Dioxide Emission Minimization. <i>Azzaytuna University Journal</i> , 2020 , 35 (298-309).	NO		2020	ChE

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Title	SJR	Cited by	Year	Department
Farhat, I. A., & Elsharif, M. M. (2025). Optimal Power Flow and Contingency Analysis with Security Considerations Using Jaya Optimization Algorithm. <i>The International Journal of Engineering & Information Technology (IJEIT)</i> , 14(1), 37–44. https://doi.org/10.36602/ijeit.v14i1.560			2025	Electrical Engineering
Asdai, B. H., & Sofia, M. M. (2025). Risk management in renewable energy projects for electricity production in Libya: An analytical study. <i>Journal of Alasmarya University: Basic and Applied Sciences</i> , 10(2), 148–162.			2025	Mechanical & Industrial Engineering
Aburass, A., Alqute, A. R., Elrawemi, M., Hamed, M., & Alrataimi, A. (2025). Design and manufacture of a power transmission attachment for generating electric power from an agricultural tractor (PTO generator). <i>African Journal of Advanced Pure and Applied Sciences (AJAPAS)</i> , *4*(2), 60–67. https://aaasjournals.com/index.php/ajapas/index			2025	Mechanical & Industrial Engineering
Karim, M., Agwila, A., & Traplsi, A. (2025). Comprehensive analytical study of structural reclamation in aging flexible pavement. <i>Alasmarya Islamic University Journal</i> .			2025	Civil Engineering
Albkosh, F. M., & Elsharif, M. M. (2025). An improved image steganography method for secure and high-capacity data transmission using adaptive LSB embedding. <i>Journal of Alasmarya University: Applied Sciences</i> , 10(2), 163–181.			2025	Electrical Engineering
Alfeluo, J., Aziz, A., Aljfairi, K., Aldeeb, S., & Aldubouss, A. (2025). Improving the chemical properties of Libyan cement by waste glass incorporation. <i>AlQalam Journal of Medical and Applied Sciences</i> .			2025	Chemical Engineering
Alhaleeb, M. A. (2025). Advancing thermal spray modeling with pressure swirl atomizer: Enhanced accuracy in CFD simulations. <i>Journal of Alasmarya University: Applied Sciences</i> , *10*(1), 13–29. https://doi.org/10.59743/jau.v10i1.2164			2025	Chemical Engineering
Al-Abasi, M. M., & Alkhawaji, Abdusalam I. K. (2024). Developing Wearable Robot that Mimics Natural Walking Mechanism to Support Children with Cerebral Palsy in their Lower Limbs. <i>The Annual Scientific Conference for University Undergraduate and Graduate Students.</i> , 2, 6. 51-64. https://conf.asmarya.edu.ly/index.php/scupgs/article/view/898			2024	Mechanical & Industrial Engineering
Benisa, Muamar, et al. "Prediction of Bearing Capacity of Skirted Strip Footing Along Unsupported Slope Using Back Propagation Neural Network Approach." <i>Alasmarya</i>			2024	Mechanical & Industrial Engineering

Islamic University Journal, vol. 9, no. 4, 28 Dec. 2024, pp. 195-207.				
Ayman Hadiya AlKut, & Salem Faraj Al-Barbar. (2024). The effect of replacing rubber tire waste as an alternative to aggregate on some properties of concrete. <i>Sebha University Conference Proceedings</i> , 3(3), 97–103. https://doi.org/10.51984/sucp.v3i3.3746			2024	Civil Engineering
Altamami, M. M., Khatab, M. A. T., & Agwila, A. A. (2024). Load capacity prediction of elliptical tube column (ETC) filled with concrete using artificial neural networks. In Proceedings of the 4th International Conference on Key Enabling Engineering			2024	Civil Engineering
Shebani, A., Aldeib, M., Trish, A., Esheetena, O., Ermis, M., & [Last Author's Name]. (2024). Correlation of barley straw content and performance properties of polystyrene butadiene rubber composites. <i>Sebha University Conference Proceedings</i>			2024	Chemical Engineering
Aldeib, M. A., Bareeni, M. F., & Deab, M. H. A. (2024). Utilizing orange charcoal from citrus biomass for effective methylthioninium chloride dye removal. <i>North Africa Journal for Scientific Publishing (NAJSP)</i> .			2024	Chemical Engineering
Jamra, M. M. A., Abed, K. A., & Al-Nakua, S. A. H. (2024). Reducing copper (II) ions from aqueous solutions using ficus-activated carbon. <i>The Annual Scientific Conference for University Undergraduate and Graduate Students</i> .			2024	Chemical Engineering
Altounsi, M. A., & Abed, K. A. (2024, November). Eco-friendly biodiesel production from waste cooking oil. <i>The Second International Conference for Technical Education</i> , 9(34), 328–341. Dar Al-Kutub Al-Watania.			2024	Chemical Engineering
ALhaleeb, M. A. (2024). Numerically analyzing high production rates: Insights into nano-zirconium manufacturing via flame spray pyrolysis. <i>Journal of Alasmarya University: Applied Sciences</i> , 9(4), 1–19			2024	Chemical Engineering