

## ابحاث قسم الرياضيات 2023-2020

المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
A. A. Azzam, S. S. Hussein, and H. Saber Osman	2020	Italian Journal of Pure and Applied Mathematics	Compactness of Topological Spaces with Grill	.1
Mahmoud, A.M., Tunç, C.	2020	Applied Mathematics and Information Sciences, 14 (3), 431-440, 2020. doi:10.18576/amis/140309	Stability and ultimate boundedness for non-autonomous system with variable delay	.2
Mahmoud, A.M., Tunç, C.	2020	Dynamic Systems and Applications, 29 (2), 288-302, 2020. https://doi.org/10.46719/dsa20202927	Boundedness and exponential stability for a certain third-order stochastic delay differential equation	.3
A. A. Azzam, A. A. Nasef	2020	Complexity, Vol. 2020 (2020). Doi.org/10.1155/2020/4237462.	Some Topological Notations via Maki's $\Lambda$ -Sets	.4
Mohammed Atef, Ahmed Mostafa Khalil, Sheng-Gang Li, A.A. Azzam	2020	Journal of Intelligent & Fuzzy Systems 39(3) (2020), 4515-4531.	Comparison of six types of rough approximations based on j-neighborhood space and j-adhesion neighborhood space	.5
A. A. Azzam, Ahmed Mostafa Khalil, and Sheng-Gang Li	2020	Journal of Intelligent & Fuzzy Systems 39(3) (2020), 4723-4730.	Medical applications via minimal topological structure	.6

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M. K. Ahmed, Dunqian Cao, A. A. Azzam, Florentin Smarandache and W. Alharbi	2020	Symmetry, 12(8) (2020).	Combination of the Single-Valued Neutrosophic Fuzzy Set and the Soft Set with Applications in Decision-Making	.7
S.M.Abo-Dahab, A.A.Kilan, bEmad A.- B.Abdel-Salamc, A.Hatem	2020	Results in Physics Volume 18, September 2020, 103270	Fractional derivative order analysis and temperature-dependent properties on p- and SV-waves reflection under initial	.8
Sameh E. Ahmed,Mohamed A. Mansour , Emad A.-B. Abdel-Salam ,Eman F. Mohamed	2020	Volume49, Is sue4 June 2020 Pages 1895- 1919	Effects of the Caputo fractional derivatives on convective flow in wavy vented enclosures filled with a porous medium using Al2O3-Cu hybrid nanofluids	.9
S.S. Ezz-Eldien, E.H. Doha, Y. Wang, W. Cai,	2020	Communicati on in Nonlinear Sciences and Numerical Simulation, 91 (2020) 105445	A numerical treatment of the two-dimensional multi-term time-fractional mixed sub-diffusion and diffusion-wave equation,	.10
S.S. Ezz-Eldien, Y. Wang, M.A. Abdelkawy, M.A. Zaky, A.A. Aldraiweesh, J.T.A. Machado	2020	Nonlinear Dynamics, 100 (2020), 3785–3797.	, Chebyshev spectral methods for multi-order fractional neutral pantograph equations,	.11
Y. Wang, S.S. Ezz-Eldien, A.A. Aldraiweesh	2020	Journal of Computational and Applied Mathematics, 364 (2020) 112301	, A new algorithm for the solution of nonlinear two-dimensional Volterra integro-differential equations of high-order,.	.12
Emad.A.-B. Abdel-Salam, Mohamed I. Nouh	2020	New Astronomy Volume 76, April 2020, 101322	Conformable fractional polytropic gas spheres	.13
Mohamed I. Nouh, Yosry A. Azzam, Emad A.-B. Abdel-Salam	2021	Neural Computing and Applications <a href="https://doi.org/10.1007/s00521-020-05277-9">https://doi.org/10.1007/s00521-020-05277-9</a>	Modeling fractional polytropic gas spheres using artificial neural network	.14
C. M. Ayeche, M. Kezzar,	2021	Indian	Analytical ADM study of time-	.15

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
M. R. Sari, Mohamed R. Eid		Journal of Physics	dependent hydromagnetic flow of biofluid over a wedge	
Prasad A, Tyagi AK, Althobaiti MM, Almulihi A, Mansour RF and Mahmoud AM	2021	Applied Sciences, 2021, 11(24), 12099. <a href="https://doi.org/10.3390/app112412099">https://doi.org/10.3390/app112412099</a>	Human Activity Recognition Using Cell Phone-Based Accelerometer and Convolutional Neural Network	.16
Mohamed R. Eid, F. Mabood, K. L. Mahny	2021	Proc IMechE Part C: Journal of Mechanical Engineering Science	On 3D Prandtl nanofluid flow with higher-order chemical reaction	.17
N. Benaziza, M.K. Nacereddine, M. Kezzar, M.R. Sari, K. Khounfais, Mohamed R. Eid	2021	Computational Thermal Sciences	Entropy generation in magneto-nanofluid flow between two coaxial cylinders by using a new I-ADM technique	.18
T. Sajid, W. Jamshed, F. Shahzad, A. El Boukili, H. Ez-Zahraouy, K.S. Nisar and Mohamed R. Eid	2021	Physica Scripta	Study on heat transfer aspects of solar aircraft wings for the case of Reiner-Philippoff hybrid nanofluid past a parabolic trough: Keller box method	.19
W. Jamshed, K.S. Nisar, R.W. Ibrahim, F. Shahzad, Mohamed R. Eid	2021	Journal of Materials Research and Technology	Thermal Expansion Optimization in Solar Aircraft Using Tangent Hyperbolic Hybrid Nanofluid: A Solar Thermal Application	.20
T. Sajid, W. Jamshed, F. Shahzad, Mohamed R. Eid, H.M. Alshehri, M. Goodarzi, E.K. Akgül, K.S. Nisar	2021	Physica Scripta	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink	.21
A.F. Al-Hossainy, Mohamed R. Eid	2021	Waves in Random and Complex Media	Combined theoretical and experimental DFT-TDDFT and thermal characteristics of 3-D flow in rotating tube of [PEG + H <sub>2</sub> O/SiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> ]C hybrid nanofluid to enhancing oil extraction	.22
H. Waqas, M. Hussain, M.S. Alqarni, Mohamed R. Eid, T. Muhammad	2021	Waves in Random and Complex Media	, Numerical simulation for magnetic dipole in bioconvection flow of Jeffrey nanofluid with swimming motile microorganisms,	.23
Mohamed R. Eid, M.A. Ali, A.F. Al-Hossainy	2021	International Journal of Chemical Reactor Engineering	Experimental characterization, TDDFT-DFT, and spin effect on [PEG/H <sub>2</sub> O-ZrO <sub>2</sub> /TiO <sub>2</sub> ]h hybrid nanofluid 3D flow as potential ceramic industry application	.24

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W. Jamshed, Mohamed R. Eid, N.A.M. Nasir, K.S. Nisar, A. Aziz, F. Shahzad, C.A. Saleel, A. Shukla	2021	Case Studies in Thermal Engineering	Thermal examination of renewable solar energy in parabolic trough solar collector utilizing Maxwell nanofluid: A noble case study	.25
A. Nouar, A. Dib, M. Kezzar, M.R. Sari, Mohamed R. Eid	2021	Zeitschrift für Naturforschung A	Numerical treatment of squeezing unsteady nanofluid flow using optimized stochastic algorithm	.26
B.M. Amine, F. Redouane, L. Mourad, W. Jamshed, Mohamed R. Eid, W. Al-Kouz	2021	Arabian Journal for Science and Engineering	Magnetohydrodynamics natural convection of a triangular cavity involving Ag-MgO/water hybrid nanofluid and provided with rotating circular barrier and a quarter circular porous medium at its right-angled corner	.27
W. Jamshed, Mohamed R. Eid, K.S. Nisar, N.A.A.M. Nasir, A. Edacherian, C.A. Saleel & V. Vijayakumar	2021	Scientific Reports	A numerical frame work of magnetically driven Powell-Eyring nanofluid using single phase model	.28
B. Hiba, F. Redouane, W. Jamshed, C.A. Saleel, S.S.U. Devi, M. Prakash, K.S. Nisar, V. Vijayakumar, Mohamed R. Eid	2021	Case Studies in Thermal Engineering	A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Ag–MgO/water) hybrid nanofluid: Galerkin FEM	.29
MD. Shamshuddin, Mohamed R. Eid	2021	Chinese Journal of Physics	Magnetized nanofluid flow of ferromagnetic nanoparticles from parallel stretchable rotating disk with variable viscosity and thermal conductivity	.30
W. Jamshed, N.A.A.M. Nasir, S.S.P.M. Isa, R. Safdar, F. Shahzad, K.S. Nisar, Mohamed R. Eid, A. Abdel-Aty, I.S. Yahia	2021	Scientific Reports	Thermal growth in solar water pump using Prandtl–Eyring hybrid nanofluid: a solar energy application	.31
F. Shahzad, W. Jamshed, R.W. Ibrahim, K.S. Nisar, M.A. Qureshi, S.M. Hussain, S.S.P.M. Isa, Mohamed R. Eid, A. Abdel-Aty, I.S. Yahia	2021	Coatings	Comparative numerical study of thermal features analysis between Oldroyd-B copper and molybdenum disulfide nanoparticles in engine-oil-based nanofluids flow	.32
T. Sajid, W. Jamshed, F. Shahzad, M.A. Aiyashi, Mohamed R. Eid, K.S. Nisar, A. Shukla	2021	Plos One	Impact of Maxwell velocity slip and Smoluchowski temperature slip on CNTs with modified Fourier theory: Reiner-Philippoff model	.33
Okasha, H.M., Mohammed, H.S. and Lio, Y.	2021	Mathematics (2021) 9 (11), 1261	E-Bayesian estimation of reliability characteristics of a Weibull distribution with applications	.34

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Mohammed, H.S.	2021	AIMS Mathematics (2021) 6 (9), 9262-9276	Empirical E-Bayesian estimation for the parameter of Poisson distribution.	.35
Nagy, M., Almetwally, E.M., Gemeay, A.M., Mohammed, H.S., Jawa, T.M. Ahmed, N.A., and Muse, A.H.	2021	Complexity 2021, 1-20	The New Novel Discrete Distribution with Application on COVID-19 Mortality Numbers in Kingdom of Saudi Arabia and Latvia.	.36
Mohammed, H. S., Ahmad, Z., Abdulrahman, A. T., Khosa, S. K., Hafez, E. H., Abd El-Raouf, M.M. and Mohie El-Din, M.M.	2021	AIMS Mathematics, 2021, 6(9): 9262-9276.	Statistical modelling for Bladder cancer disease using the NLT-W distribution	.37
MD. Shamsuddin, A. Abderrahmane, A. Koulali, Mohamed R. Eid, F. Shahzad, W. Jamshed	2021	International Communications in Heat and Mass Transfer	Thermal and solutal performance of Cu/CuO nanoparticles on a non-linear radially stretching surface with heat source/sink and varying chemical reaction effects	.38
W. Jamshed, S.U. Devi, R. Safdar, F. Redouane, K.S. Nisar, Mohamed R. Eid	2021	Journal of Taibah University for Science	Comprehensive analysis on copper-iron (II, III)/oxide-engine oil Casson nanofluid flowing and thermal features in parabolic trough solar collector	.39
W. Jamshed, F. Shahzad, R. Safdar, T. Sajid, Mohamed R. Eid, K.S. Nisar	2021	Waves in Random and Complex Media	Implementing renewable solar energy in presence of Maxwell nanofluid in parabolic trough solar collector: a computational study	.40
H. Alotaibi, Mohamed R. Eid	2021	Micromachines	Thermal analysis of 3D electromagnetic radiative nanofluid flow with suction/blowing: Darcy–Forchheimer scheme	.41
A. A. El Atik, I. K. Halfa, A. A. Azzam	2021	Transactions of A.Razmadze Mathematical Institute, 175(1) (2021), 33–41.	Modelling of pollution of radiation via topological minimal structures	.42
Wu Juanyong, Ahmed MostafaKhalil, Nasruddin Hassan, Florentin Smarandache, A. A. Azzam, Hui Yang	2021	International Journal of Computational Intelligence Systems, 14(1) (2021), 869 – 885.	Similarity measures and multi-person TOPSIS method using m-polar single-valued neutrosophic sets	.43

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		DOI: <a href="https://doi.org/10.2991/ijcis.d.210203.003">https://doi.org/10.2991/ijcis.d.210203.003</a> .		
Mohammed Atef, and A.A. Azzam	2021	Journal of Mathematics, Vol. 2021 (2021). <a href="https://doi.org/10.1155/2021/5525766">https://doi.org/10.1155/2021/5525766</a>	Covering fuzzy rough sets via variable precision	.44
A. A. Azzam	2021	Mathematical problem in Engineering	A New Closed Set in Topological Spaces	.45
R. A. Hosny, B. A. Asaad, A. A. Azzam, and T. M. Al-shami	2021	Complexity, Vol. 2021 (2021). <a href="https://doi.org/10.1155/2021/4149368">https://doi.org/10.1155/2021/4149368</a> .	Various topologies generated from E <sub>j</sub> -neighbourhoods via ideals	.46
R . José Carlos , Tareq M. Al-shami and A. A. Azzam	2021	Mathematics 2021, 9, 2349.	Caliber and Chain Conditions in Soft Topologies	.47
Mohamed Atef, Ahmed Mostafa Khalil, A. A. Azzam, Sheng Gang Li, Heng Liu	2021	Soft Computing, 2021.	Comparison of Twelve Types of Rough Approximations Based on j-Neighborhood Space and j-Adhesion Neighborhood Spac	.48
Tareq M. Al-Shami and A. A. Azzam	2021	Journal of Function Spaces, Vol. 2021 (2021). <a href="https://doi.org/10.1155/2021/5716876">https://doi.org/10.1155/2021/5716876</a> .	Infra Soft Semiopen Sets and Infra Soft Semicontinuity	.49
S.M. Hussain, W. Jamshed, V. Kumar, V. Kumar, K.S. Nisar, Mohamed R. Eid, R. Safdar, S.U. Devi S, A. Abdel-Aty, I.S. Yahia	2021	Energy Reports	Computational analysis of thermal energy distribution of electromagnetic Casson nanofluid across stretched sheet: Shape factor effectiveness of solid-particles	.50
Abdel-Khalek, Sayed, Mariam Algarni, Romany F. Mansour, Deepak Gupta, and M. Ilayaraja.	2021	Soft Computing	"Quantum neural network-based multilabel image classification in high-resolution unmanned aerial vehicle imagery." Soft Computing	.51

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Althobaiti, Maha M., K. Pradeep Mohan Kumar, Deepak Gupta, Sachin Kumar, and Romany F. Mansour.	2021	Measurement	"An intelligent cognitive computing based intrusion detection for industrial cyber-physical systems.	.52
Mansour, Romany F., S. Abdel-Khalek, Inès Hilali-Jaghdam, Jamel Nebhen, Woong Cho, and Gyanendra Prasad Joshi.	2021	Cluster Computing	"An intelligent outlier detection with machine learning empowered big data analytics for mobile edge computing." Cluster Computing	.53
Mansour, Romany F., José Escorcia-Gutierrez, Margarita Gamarra, Deepak Gupta, Oscar Castillo, and Sachin Kumar.	2021	Pattern Recognition Letters	"Unsupervised deep learning based variational autoencoder model for COVID-19 diagnosis and classification." Pattern Recognition Letters 151 (2021): 267-274.	.54
Bai, Shuying, Jixi Gao, Yu Xue, and Romany Mansour.	2021	Atmosphere	" Spatial and Temporal Characteristics of Rainfall Anomalies in 1961–2010 in the Yangtze River Basin, China."	.55
Zhang, Yu-Hang, Wei Guo, Tao Zeng, ShiQi Zhang, Lei Chen, Margarita Gamarra, Romany F. Mansour, José Escorcia-Gutierrez, Tao Huang, and Yu-Dong Cai.	2021	Frontiers in Microbiology	"Identification of Microbiota Biomarkers With Orthologous Gene Annotation for Type 2 Diabetes."	.56
Mansour, Romany F., José Escorcia-Gutierrez, Margarita Gamarra, Jair A. Villanueva, and Nallig Leal.	2021	Image and Vision Computing	"Intelligent video anomaly detection and classification using faster RCNN with deep reinforcement learning model." Image and Vision Computing (2021): 104229.	.57
Mansour, Romany F., and Abdulsamad Al-Marghilnai.	2021	Multidimensional Systems and Signal Processing	"Glaucoma detection using novel perceptron based convolutional multi-layer neural network classification."	.58
Prasad, Ashwani, Amit Kumar Tyagi, Maha M. Althobaiti, Ahmed Almulihi, Romany F. Mansour, and Ayman M. Mahmoud.	2021	Applied Sciences	"Human Activity Recognition Using Cell Phone-Based Accelerometer and Convolutional Neural Network." Applied Sciences 11, no. 24 (2021): 12099.	.59
Abukhodair, Felwa, Wafaa. Alsaggaf, Amani Tariq Jamal, Sayed Abdel-Khalek, and Romany F. Mansour	2021	Mathematics	"An Intelligent Metaheuristic Binary Pigeon Optimization-Based Feature Selection and Big Data Classification in a MapReduce Environment." Mathematics 9, no. 20 (2021): 2627.	.60

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Mansour Romany F., and Shabir, A. Parah.	2021	Arabian Journal for Science and Engineering	"Reversible Data Hiding for Electronic Patient Information Security for Telemedicine Applications."	.61
Gull, Solihah, Romany F. Mansour, Nojood O. Aljehane, and Shabir A. Parah.	2021	Multimedia Tools and Applications	"A self-embedding technique for tamper detection and localization of medical images for smart-health."	.62
Mansour, Romany F., Nada M. Alfar, Sayed Abdel-Khalek, Maha Abdelhaq, Rashid A. Saeed, and Raed Alsaqour.	2021	Expert Systems	"Optimal deep learning based fusion model for biomedical image classification." Expert Systems .	.63
Mansour, Romany F., José Escorcia-Gutierrez, Margarita Gamarra, Vicente García Díaz, Deepak Gupta, and Sachin Kumar.	2021	Neural Computing and Applications	"Artificial intelligence with big data analytics-based brain intracranial hemorrhage e-diagnosis using CT images."	.64
Nagaraj, P., P. Deepalakshmi, and F. Mansour Romany.	2021	Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy	"Artificial Flora Algorithm-Based Feature Selection with Gradient Boosted Tree Model for Diabetes Classification."	.65
Aljehane, Nojood O., and Romany F. Mansour	2021	Expert Systems	. "Big data analytics with oppositional moth flame optimization based vehicular routing protocol for future smart cities."	.66
Mansour, Romany F., and Nojood O. Aljehane.	2021	Neural Computing and Applications	"An optimal segmentation with deep learning based inception network model for intracranial hemorrhage diagnosis." Neural Computing and Applications (2021): 1-13.	.67
Zhang, Yu-Hang, Zhandong Li, Tao Zeng, Lei Chen, Hao Li, Margarita Gamarra, Romany F. Mansour, José Escorcia-Gutierrez, Tao Huang, and Yu-Dong Cai.	2021	Plos one	"Investigating gene methylation signatures for fetal intolerance prediction."	.68
H. Alotaibi, S. Althubiti, Mohamed R. Eid, K. L. Mahny	2021	Computers, Materials & Continua	Numerical treatment of MHD flow of Casson nanofluid via convectively heated non-linear extending surface with viscous dissipation and suction/injection effects	.69
S. Latreche, M.R. Sari, M. Kezzar, Mohamed R. Eid	2021	Arabian Journal for	Flow dynamics of PTT and FENE-P viscoelastic fluids in circular and flat	.70



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		Science and Engineering	ducts: An analytical study	
Mohamed R. Eid, A.F. Al-Hossainy	2021	Surfaces and Interfaces	Combined experimental thin films, TDDFT-DFT theoretical method, and spin effect on [PEG-H <sub>2</sub> O/ZrO <sub>2</sub> +MgO] <sub>n</sub> hybrid nanofluid flow with higher chemical rate	.71
Mohamed R. Eid, F. Mabood	2021	Proc IMechE Part C: Journal of Mechanical Engineering Science	Thermal analysis of higher-order chemical reactive viscoelastic nanofluids flow in porous media via stretching surface, 235 (22) (2021) 6099-6110	.72
Mohamed R. Eid, Ahmed F. Al-Hossainy	2021	Case Studies in Thermal Engineering	High-performance nanofluid synthesis and DFT-TDDFT study of graphene nanosheets along bent surface for enhanced oil-recovery implementations	.73
Mohamed R. Eid, K.L. Mahny, Ahmed F. Al-Hossainy	2021	Surfaces and Interfaces	Homogeneous-heterogeneous catalysis on electromagnetic radiative Prandtl fluid flow: Darcy-Forchheimer substance scheme	.74
Faisal Shahzad, Wasim Jamshed, Tanveer Sajid, Kottakkaran Sooppy Nisar and Mohamed R. Eid	2021	Communications in Theoretical Physics	Heat transfer analysis of MHD rotating flow of Fe <sub>3</sub> O <sub>4</sub> nanoparticles through a stretchable surface	.75
Li, Linguo, Lijuan Sun, Yu Xue, Shujing Li, Xuwen Huang, and Romany Fouad Mansour.	2021	IEEE Access	"Fuzzy multilevel image thresholding based on improved coyote optimization algorithm."	.76
Li, Ming, Zhong Fang, Wanwan Cao, Yong Ma, Shang Wu, Yang Guo, Yu Xue, and Romany F. Mansour.	2021	Computer Systems Science And Engineering	"Residential Electricity Classification Method Based On Cloud Computing Platform and Random Forest." Computer Systems Science And Engineering 38, no. 1 (2021): 39-46.	.77
Mansour, Romany F., Shaha Al-Otaibi, Amal Al-Rasheed, Hanan Aljuaid, Irina Pustokhina, and Denis A. Pustokhin.	2021	Computers Materials & Continua	"An Optimal Big Data Analytics with Concept Drift Detection on High-Dimensional Streaming Data	.78
M.A. Abdelkawy, S.S. Ezz-Eldien, A. Biswas, A.K. Alzahrani, M.R. Belic,	2021	Computational Mathematics and Mathematical Physics, 61 (2021) 1432-1443	Optical Solitons for Chen–Lee–Liu equation with two spectral collocation approaches,.	.79

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S.S. Ezz-Eldien,	2021	Mathematical Methods in the Applied Sciences, 44 (2021) 7995-8010.	Theoretical and spectral numerical study for fractional Van der Pol equation,	.80
M.M. Alsuyuti, E.H. Doha, S.S. Ezz-Eldien, I. Youssef,	2021	Journal of Computational and Applied Mathematics, 384 (2021) 113157.	Spectral Galerkin schemes for a class of multi-order fractional pantograph equations,	.81
El-Sharkasy, M. M., and M. S. Badr.	2021	J. Math. Comput. Sci	On difference open multisets in M-topological spaces	.82
Awad, A. M., M. S. Badr, and A. A. El-Rahman	2021	Results in Physics	The steady-state of probe susceptibility in a four-level N-type atomic system with a squeezed vacuum field.	.83
Al-Otaibi, Shaha T., Amal Al-Rasheed, Romany F. Mansour, Eunmok Yang, Gyanendra Prasad Joshi, and Woong Cho.	2021	IEEE Access	"Hybridization of Metaheuristic Algorithm for Dynamic Cluster-based Routing Protocol in Wireless Sensor Networks	.84
Manikandan, S., S. Srinivasan, José Escorcia-Gutiérrez, Margarita Gamarra, and R. F. Mansour.	2021	Computers, Materials and Continua	Diagnosis of leukemia disease based on enhanced virtual neural network.	.85
Xue, Yu, Chen Chen, ChiShe Wang, Linguo Li, and Romany F. Mansour.		Intelligent Automation And Soft Computing	"Face Image Compression and Reconstruction Based on Improved PCA." Intelligent Automation And Soft Computing 30, no. 3 (2021): 973-982.	.86
Ragab, Mahmoud, Ali Algarni, Adel A. Bahaddad, and Romany F. Mansour.	2021	Computers Materials & Continua	"Machine Learning Applied to Problem-Solving in Medical Applications."	.87
Mansour, Romany Fouad, Adnen El Amraoui, Issam Nouaouri, Vicente García Díaz, Deepak Gupta, and Sachin Kumar.	2021	IEEE Access	"Artificial Intelligence and Internet of Things Enabled Disease Diagnosis Model for Smart Healthcare Systems."	.88
Alsuhibany, Suliman A., Sayed Abdel-Khalek, Ali Algarni, Aisha Fayomi, Deepak Gupta, Vinay	2021	Computational Intelligence and	"Ensemble of Deep Learning Based Clinical Decision Support System for Chronic Kidney Disease Diagnosis in Medical Internet of Things	.89

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Kumar, and Romany F. Mansour.		Neuroscience	Environment."	
Romany F. Mansour and Moheb R. Girgis	2021	Computers, Materials & Continua	"Steganography-based transmission of medical images over unsecure network for telemedicine applications"	.90
Romany F. Mansour, Maha M. Althobaiti And Amal Adnan Ashour	2021	IEEE Access	"Internet of Things and Synergic Deep Learning Based Biomedical Tongue Color Image Analysis for Disease Diagnosis and Classification"	.91
F. Shahzad, D. Baleanu, W. Jamshed, K.S. Nisar, Mohamed R. Eid, R. Safdar, K.A. Ismail	2021	Scientific Reports	Flow and heat transport phenomenon for dynamics of Jeffrey nanofluid past stretchable sheet subject to Lorentz force and dissipation effects	.92
F. Redouane, W. Jamshed, S.S.U. Devi, M. Prakash, K.S. Nisar, N.A.A.M. Nasir, M.M. Khashan, I.S. Yahia, Mohamed R. Eid	2021	Scientific Reports	Galerkin finite element study for mixed convection (TiO <sub>2</sub> -SiO <sub>2</sub> /water) hybrid-nanofluidic flow in a triangular aperture heated beneath	.93
W. Jamshed, Mohamed R. Eid, A. Aissa, A. Mourad, K.S. Nisar, F. Shahzad, C.A. Saleel, V. Vijayakumar	2021	Plos One	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature	.94
U. Khan, J. Bouslimi, A. Zaib, F.S. Al-Mubaddel, N. Imtiaz, A.N. Alharbi, Mohamed R. Eid	2021	Coatings	MHD 3D crossflow in the streamwise direction induced by nanofluid using Koo-Kleinstreuer and Li (KLL) correlation	.95
A.B. Mahammed, F. Redouane, M. Lounis, W. Jamshed, S.M. Hussain, Mohamed R. Eid	2021	Journal of Thermophysics and Heat Transfer	Thermal management of magnetohydrodynamic nanofluid within porous C-shaped cavity with undulated baffle	.96
A. Koulali, A. Aissa, W. Jamshed, S.M. Hussain, K.S. Nisar, A. Abdel-Aty, I.S. Yahia, Mohamed R. Eid	2021	Coatings	Comparative study on effects of thermal gradient direction on heat exchange between a pure fluid and a nanofluid: Employing finite volume method	.97
W. Jamshed, C. Şirin, F. Selimefendigil, MD. Shamsuddin, Y. Altowairqi, Mohamed R. Eid	2021	Coatings	Thermal characterization of coolant Maxwell type nanofluid flowing in parabolic trough solar collector (PTSC) used inside solar powered ship application	.98
F. Shahzad, W. Jamshed, T. Sajid, K. S. Nisar, Mohamed R. Eid	2021	Journal of Engineering Thermophysics	Heat transfer simulation for 3D MHD rotating hybrid nanofluid flow between parallel plates in parabolic trough solar collector: A numerical	.99

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
			study	
F. Redouane, W. Jamshed, S.S.U. Devi, B.M. Amine, R. Safdar, K. Al-Farhany, Mohamed R. Eid, K.S. Nisar, A. Abdel-Aty, I.S. Yahia	2021	Scientific Reports	Influence of entropy on Brinkman–Forchheimer model of MHD hybrid nanofluid flowing in enclosure containing rotating cylinder and undulating porous stratum	.100
W. Jamshed, N.A.A.M. Nasir, M.A. Qureshi, F. Shahzad, R. Banerjee, Mohamed R. Eid, K.S. Nisar, S. Ahmad	2021	Waves in Random and Complex Media	Dynamical irreversible processes analysis of Poiseuille magneto-hybrid nanofluid flow in microchannel: A novel case study	.101
N. Boumaiza, M. Kezzar, Mohamed R. Eid, I. Tabet	2021	Waves in Random and Complex Media	On numerical and analytical solutions for mixed convection Falkner-Skan flow of nanofluids with variable thermal conductivity	.102
A. A. Kilany, S. M. Abo-Dahab, A. M. Abd-Alla and Emad A.-B. Abdel-Salam,	2022	Waves in random and complex media	Non-integer order analysis of electromagnetic thermo elastic with diffusion and voids considering lord-shulman and dual-phase-lag models with rotation and gravity	.103
S. H. Elhag, Fatimah S. Bayones, A. A. Kilany, S. M. Abo-Dahab, Emad A.-B. Abdel-Salam, M. Elsaygher, A. M. Abd-Alla,	2022	Advances in Mathematical Physics, vol. 2022, Article ID 6559779,	Noninteger Derivative Order Analysis on Plane Wave Reflection from Electro-Magneto-Thermo-Microstretch Medium with a Gravity Field within the Three-Phase Lag Model	.104
E A-B Abdelsalam et al.	2022	Alexandria Engineering Journal, 2022, 61, 511-521.	Geometrical study and solutions for family of burgers-like equation with fractional order space time",	.105
Mohamed R. Eid, M.A. Nafe	2022	Waves in Random and Complex Media	Thermal conductivity variation and heat generation effects on magneto-hybrid nanofluid flow in a porous medium with slip condition, 32(3) () 1103-1127	.106
W. Fenizri, M. Kezzar, M. R. Sari, I. Tabet, Mohamed R. Eid	2022	International Journal of Ambient Energy	New modified decomposition method (DRMA) for solving MHD viscoelastic fluid flow: Comparative study	.107
M. Nazeer, M.I. Khan, Y. Chu, S. Kadry, Mohamed R. Eid	2022	Journal of Dispersion Science and Technology	Mathematical modeling of multiphase flows of third-grade fluid with lubrication effects through an inclined channel: analytical treatment	.108
MD. Shamsuddin, Mohamed R. Eid	2022	Journal of Thermal Analysis and	nth order reactive nanofluid through convective elongated sheet under mixed convection flow with Joule	.109

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
		Calorimetry	heating effects	
W. Jamshed, S.U. Devi S., M. Prakash, S.M. Hussaind, Mohamed R. Eid, K.S. Nisar, T. Muhammad	2022	Chinese Journal of Physics	Entropy Amplified Solitary Phase Relative Probe on Engine Oil Based Hybrid Nanofluid	.110
T. Sajid, W. Jamshed, F. Shahzad, E.K. Akgül, K.S. Nisar, Mohamed R. Eid	2022	Chinese Journal of Physics	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model	.111
A. Khentout, M. Kezzar, M.R. Sari, T. Ismail, M.S. Tich Tich, S. Boutelba, Mohamed R. Eid	2022	Proc IMechE Part E: Journal of Process Mechanical Engineering	The electrical magnetohydrodynamic (MHD) and shape factor impacts in a mixture fluid suspended by hybrid nanoparticles between non-parallel plates	.112
M. Ouni, L.M. Ladhar, M. Omri, W. Jamshed, Mohamed R. Eid	2022	Case Studies in Thermal Engineering	Solar water-pump thermal analysis utilizing copper–gold/engine oil hybrid nanofluid flowing in parabolic trough solar collector: Thermal case study	.113
N. Talbi, M. Kezzar, M. Malaver, I. Tabet, M.R. Sari, A. Metatla, Mohamed R. Eid	2022	Waves in Random and Complex Media	Increment of heat transfer by graphene-oxide and molybdenum-disulfide nanoparticles in ethylene glycol solution as working nanofluid in penetrable moveable longitudinal fin	.114
S.G. Bejawada, W. Jamshed, R. Safdar, Y.D. Reddy, M.M. Alanazi, H.Y. Zahran, Mohamed R. Eid	2022	Coatings	Chemical reactive and viscous dissipative flow of magneto nanofluid via natural convection by employing Galerkin finite element technique	.115
W. Jamshed, A.K. Alanazi, S.S.P.M. Isa, R. Banerjee, Mohamed R. Eid, K.S. Nisar, H. Alshahrei, M. Goodarzi	2022	Sustainable Energy Technologies and Assessments	Thermal efficiency enhancement of solar aircraft by utilizing unsteady hybrid nanofluid: A single-phase optimized entropy analysis	.116
W. Jamshed, R. Safdar, A. Brahmia, A.K. Alanazi, H.M. Abo-Dief, Mohamed R. Eid	2022	Energy & Environment	Numerical Simulations of Environmental Energy Features in Solar Pump Application by Using Hybrid Nanofluid Flow: Prandtl-Eyring Case	.117
F. Redouane, W. Jamshed, S.S.U. Devi, M. Prakash, N.A.A.M. Nasir, Z. Hammouch, Mohamed R. Eid	2022	Scientific Reports	Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite	.118

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
Eid, K.S. Nisar, A.B. Mahammed, A. Abdel-Aty, I.S. Yahia, E.M. Eed			element	
F.S. Bayones, W. Jamshed, S.H. Elhag, Mohamed R. Eid	2022	Energy & Environment	Computational Galerkin finite element method for thermal hydrogen energy utilization of first grade viscoelastic hybrid nanofluid flowing inside PTSC in solar powered ship applications	.119
J. Bouslimi, A.A. Alkathiri, A.N. Alharbi, W. Jamshed, Mohamed R. Eid, M.L. Bouazizi	2022	Nanotechnology Reviews	Dynamics of convective slippery constraints on hybrid radiative Sutterby nanofluid flow by Galerkin finite element simulation	.120
W. Jamshed, N.A.A.M. Nasir, A. Brahmia, K.S. Nisar, Mohamed R. Eid	2022	Proc IMechE Part C: Journal of Mechanical Engineering Science	Entropy analysis of radiative [MgZn6Zr-Cu/EO] Casson hybrid nanoliquid with variant thermal conductivity along a stretching surface: Implementing Keller box method	.121
G.B. Shankar, Y.D. Reddy, W. Jamshed, Mohamed R. Eid, R. Safdar, K. S. Nisar, S.S.P.M. Isa, M.M. Alam, S. Parvin	2022	Alexandria Engineering Journal	2D mixed convection non-Darcy model with radiation effect in a nanofluid over an inclined wavy surface	.122
W. Jamshed, Mohamed R. Eid, Syed M. Hussain, A. Abderrahmane, R. Safdar, O. Younis, A.A. Pasha	2022	International Communications in Heat and Mass Transfer	Physical specifications of MHD mixed convective of Ostwald-de Waele nanofluids in a vented-cavity with inner elliptic cylinder	.123
A.A. Alkathiri, W. Jamshed, S.U. Devi S, Mohamed R. Eid, M.L. Bouazizi	2022	Alexandria Engineering Journal	Galerkin finite element inspection of thermal distribution of renewable solar energy in presence of binary nanofluid in parabolic trough solar collector	.124
S. Parvin, S.S.P.M. Isa, F.S. Al- Duais, S.M. Hussain, W. Jamshed, R. Safdar, Mohamed R. Eid	2022	Plos One	The flow, thermal and mass properties of Soret-Dufour model of magnetized Maxwell nanofluid flow over a shrinkage inclined surface	.125
F. Shahzad, W. Jamshed, S.U. Devi. S, R. Safdar, M. Prakash, R.W. Ibrahim, K.S. Nisar, Mohamed R. Eid, M.M. Alanazi, I.S. Yahia	2022	Energy Science & Engineering	Raising thermal efficiency of solar water-pump using Oldroyd-B nanofluids' flow: An optimal thermal application	.126
R. Safdar, I. Gulzar, M. Jawad, W. Jamshed, F. Shahzad, Mohamed R Eid	2022	Proc IMechE Part C: Journal of Mechanical	Buoyancy force and Arrhenius energy impacts on Buongiorno electromagnetic nanofluid flow containing gyrotactic microorganism	.127

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
		Engineering Science		
F. Shahzad, J. Bouslimi, S. Gouadria, W. Jamshed, Mohamed R. Eid, R. Safdar, MD. Shamshuddin, K.S. Nisar	2022	International Journal of Hydrogen Energy	Hydrogen energy storage optimization in solar-HVAC using Sutterby nanofluid via Koo-Kleinstreuer and Li (KKL) correlations model: A solar thermal application	.128
K. Ali, S. Ahmad, O. Baluch, W. Jamshed, Mohamed R. Eid, A.A. Pasha	2022	Alexandria Engineering Journal	Numerical study of magnetic field interaction with fully developed flow in a vertical duct	.129
M. Rahman, M. Ferdows, MD. Shamshuddin, A. Koulali, Mohamed R. Eid	2022	Journal of Petroleum Science and Engineering	Aiding (opponent) flow of hybrid copper–aluminum oxide nanofluid towards an exponentially extending (lessening) sheet with thermal radiation and heat source (sink) impact	.130
F. Shahzad, W. Jamshed, R. Safdar, S.M. Hussain, N.A.A.M. Nasir, M. Dhange, K.S. Nisar, Mohamed R. Eid, M. Sohail, M. Alsehli, A. Elfasakhany	2022	Nanotechnology Reviews	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application	.131
F. Shahzad, W. Jamshed, R. Safdar, N.A.A.M. Nasir, Mohamed R. Eid, M.M. Alanazi, H.Y. Zahran	2022	Nanotechnology Reviews	Thermal valuation and entropy inspection of second-grade nanoscale fluid flow over a stretching surface by applying Koo–Kleinstreuer–Li relation	.132
B.S. Goud, Y.D. Reddy, N.A. Alshehri, W. Jamshed, R. Safdar, Mohamed R. Eid, M.L. Bouazizi	2022	Materials	Numerical Case Study of Chemical Reaction Impact on MHD Micropolar Fluid Flow Past over a Vertical Riga Plate	.133
M. Dhange, G. Sankad, R. Safdar, W. Jamshed, Mohamed R. Eid, U. Bhujakkanavar, S. Gouadria, R. Chouikh	2022	Plos One	A mathematical model of blood flow in a stenosed artery with post-stenotic dilatation and a forced field	.134
W. Jamshed, Mohamed R. Eid, R. Safdar, A.A. Pasha, S.S.P.M. Isa, M. Adil, Z. Rehman, W. Weera	2022	Scientific Reports	Solar energy optimization in solar-HVAC using Sutterby hybrid nanofluid with Smoluchowski temperature conditions: a solar thermal application	.135
Mohamed R. Eid	2022	Mathematics	3-D flow of magnetic rotating hybridizing nanoliquid in parabolic trough solar collector: Implementing	.136

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
			Cattaneo-Christov heat flux theory and Centripetal and Coriolis forces	
S.M. Hussain, W. Jamshed, Mohamed R. Eid	2022	Arabian Journal for Science and Engineering	Solar-HVAC Thermal Investigation Utilizing (Cu-AA7075/C6H9NaO7) MHD-Driven Hybrid Nanofluid Rotating Flow via Second-Order Convergent Technique: A Novel Engineering Study, (2022)	.137
A.B. Jafar, S. Shafie, I. Ullah, R. Safdar, W. Jamshed, A.A. Pasha, M.M. Rahman, S.M. Hussain, A. Rehman, E.M. Tag El Din, Mohamed R. Eid	2022	Scientific Reports	Mixed convection flow of an electrically conducting viscoelastic fluid past a vertical nonlinearly stretching sheet	.138
F. Shahzad, W. Jamshed, T. Sajid, MD. Shamsuddin, R. Safdar, S.O. Salawu, Mohamed R. Eid, M.B. Hafeez, Marek Krawczuk	2022	Applied Sciences	Electromagnetic control and dynamics of generalized Burgers' nanoliquid flow containing motile microorganisms with Cattaneo-Christov relations: Galerkin finite element mechanism	.139
W. Jamshed, R. Safdar, R.W. Ibrahim, K.S. Nisar, Mohamed R. Eid, M.M. Alam	2022	Pramana - Journal of Physics	Shape-factor and radiative flux impacts on unsteady graphene-copper hybrid nanofluid with entropy optimisation: Cattaneo-Christov heat flux theory	.140
J. Bouslimi, A.A. Alkathiri, T.M. Althagafi, W. Jamshed, Mohamed R. Eid	2022	Case Studies in Thermal Engineering	Thermal properties, flow and comparison between Cu and Ag nanoparticles suspended in sodium alginate as Sutterby nanofluids in solar collector	.141
T. Sajid, A. Ayub, S.Z.H. Shah, W. Jamshed, Mohamed R. Eid, E.M. Tag El Din, R. Irfan, S.M. Hussain	2022	Symmetry	Trace of chemical reactions accompanied with Arrhenius energy on ternary hybridity nanofluid past a wedge, 14(9) (2022) 1850	.142
M.M. Rahman, W. Jamshed, S.U. Devi. S, R.W. Ibrahim, A.A. Pasha, B. Souayeh, R. Safdar, Mohamed R. Eid, S.M. Hussain, E.M. Tag El Din	2022	Frontiers in Energy Research	Quadratic regression estimation of hybridized nanoliquid flow using Galerkin finite element technique considering shape of nano solid particles	.143
A. Darvesh, T. Sajid, W. Jamshed, A. Ayub, S.Z.H. Shah, Mohamed R. Eid, S.M. Hussain, M. Akram, M.B. Hafeez, M.	2022	Applied Sciences	Rheology of variable viscosity-based mixed convective inclined magnetized Cross nanofluid with varying thermal conductivity	.144



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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
Krawczuk				
A. Khan, W. Jamshed, Mohamed R. Eid, A.A. Pasha, E.M. Tag El Din, H.A. Khalifa, S.K. Alharbi	2022	Symmetry	Unsteady electro-hydrodynamic stagnating point flow of hybridized nanofluid via a convectively heated enlarging (dwindling) surface with velocity slippage and heat generation	.145
S.M. El Din, A. Darvesh, A. Ayub, T. Sajid, W. Jamshed, Mohamed R. Eid, S.M. Hussain, M. Sánchez-Chero, S.M. Ancca, J.M.R. Cerna, C.L.A. Dapozzo	2022	Scientific Reports	Quadratic multiple regression model and spectral relaxation approach for carreau nanofluid inclined magnetized dipole along stagnation point geometry	.146
K. Benhanifia, F. Redouane, R. Lakhdar, M. Brahim, K. Al-Farhany, W. Jamshed, Mohamed R. Eid, S.M. El Din, Z. Raizah	2022	Scientific Reports	Investigation of mixing viscoplastic fluid with a modified anchor impeller inside a cylindrical stirred vessel using Casson–Papanastasiou model	.147
W. Jamshed, Mohamed R. Eid, A.F. Al-Hossainy, Z. Raizah, E.M. Tag El Din, T. Sajid	2022	Scientific Reports	Experimental and TDDFT materials simulation of thermal characteristics and entropy optimized of Williamson Cu-methanol and Al <sub>2</sub> O <sub>3</sub> -methanol nanofluid flowing through solar collector	.148
M. Brahim, K. Benhanifia, W. Jamshed, K. Al-Farhany, F. Redouane, Mohamed R. Eid, S.M. Hussain, M. Akram, A. Kamel	2022	Symmetry	Computational Analysis of Viscoplastic Nanofluid Blending by a Newly Modified Anchorage Impeller within a Stirred Container	.149
A. Al-Saadi, K. Al-Farhany, A.E. Faisal, M.A. Alomari, W. Jamshed, Mohamed R. Eid, E.M. Tag El Din, A. Amjad	2022	Scientific Reports	Improvement of the aerodynamic behaviour of the passenger car by using a combine of ditch and base bleed	.150
D. Ghali, F. Redouane, R. Abdelhak, A.B. Mahammed, C.D. Zineb, W. Jamshed, Mohamed R. Eid, S.M. Eldin, A. Musa, N.A.A.M. Nasir	2022	Symmetry	Mathematical entropy analysis of natural convection of MWCNT—Fe <sub>3</sub> O <sub>4</sub> /water hybrid nanofluid with parallel magnetic field via Galerkin finite element process	.151
F. Redouane, W. Jamshed, Mohamed R. Eid, S.U. Devi S, A. Musa, S.M. Eldin, M. Prakash, I. Ullah	2022	Micromachines	Finite element methodology of hybridity nanofluid flowing in diverse wavy sides of penetrable cylindrical chamber under a parallel	.152

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
			magnetic field with entropy generation analysis	
M. Israr Ur Rehman, H. Chen, A. Hamid, S. Qayyum, W. Jamshed, Z. Raizah, Mohamed R. Eid, E.M. Tag El Din	2022	Scientific Reports	Soret and Dufour influences on forced convection of Cross radiative nanofluid flowing via a thin movable needle	.153
F. Shahzad, W. Jamshed, Mohamed R. Eid, R. Safdar, S.S.P.M. Isa, S.M. El Din, N.A.A.M. Nasir, A. Iqbal	2022	Scientific Reports	Thermal cooling efficacy of a solar water pump using Oldroyd-B (aluminum alloy-titanium alloy/engine oil) hybrid nanofluid by applying new version for the model of Buongiorno	.154
W. Jamshed, Mohamed R. Eid, F. Shahzad, R. Safdar, MD. Shamshuddin	2022	Waves in Random and Complex Media	Keller box analysis for thermal efficiency of magneto time-dependent nanofluid flowing in solar-powered tractor application applying nano-metal shaped factor	.155
T. Sajid, W. Jamshed, F. Shahzad, Mohamed R. Eid, M. Sohail, I. Ullah	2022	Waves in Random and Complex Media	Influences of Fourier and Fick's relations in stagnation point flow of Reiner-Philippoff fluid containing oxytactic-microorganisms with variable molecular diffusivity	.156
M. Israr Ur Rehman, H. Chen, W. Jamshed, Mohamed R. Eid, K. Guedri, S.M. El Din	2022	Case Studies in Thermal Engineering	Thermal radiative flux and energy of Arrhenius evaluation on stagnating point flowing of Carreau nanofluid: A thermal case study	.157
A. Al-Saadi, K. Al-Farhany, K.K. Al-Chlaihawi, W. Jamshed, Mohamed R. Eid, E.M. Tag El Din, Z. Raizah	2022	Scientific Reports	Improvement of the aerodynamic behavior of a sport utility vehicle numerically by using some modifications and aerodynamic devices, 12 (2022) 20272	.158
S. Hamrelaine, M. Kezzar, M.R. Sari, Mohamed R. Eid	2022	The European Physical Journal Plus	Analytical investigation of hydromagnetic ferro-nanofluid flowing via rotating convergent/divergent channels	.159
L.Y. Jiann, S. Shafie, I. Ullah, W. Jamshed, Mohamed R. Eid, S.M. El Din	2022	ZAMM - Journal of Applied Mathematics and Mechanics	Effectiveness of non-uniform heat generation (sinking) and thermal characterization of Carreau fluid flowing across nonlinear elongating cylinder: Convergence analysis aspect, (2022) e202200049	.160
W. Jamshed, G.K. Ramesh, G.S. Roopa, K.S. Nisar, R. Safdar, J.K. Madhukesh, F. Shahzad, S.S.P.M. Isa, B.S. Goud, Mohamed R. Eid	2022	ZAMM - Journal of Applied Mathematics and Mechanics	Electromagnetic radiation and convective slippery stipulation influence in viscous second grade nanofluid through penetrable material	.161

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
R. Abdelhak, F. Redouane, W. Jamshed, Mohamed R. Eid, K. Guedri, M. Israr Ur Rehman, S.M. El Din	2022	Ain Shams Engineering Journal	Analysis of water conveying aluminum oxide/silver nanoparticles due to mixed convection through four square cavity's variable hot (cold) walled, (2022) 102072	.162
F. Shahzad, W. Jamshed, Mohamed R. Eid, R.W. Ibrahim, R. Safdar, K.S. Nisar, MD. Shamsuddin	2022	Waves in Random and Complex Media	Thermal amelioration in heat transfer rate using Oldroyd-B model hybrid nanofluid by CNTs-based kerosene oil flow in solar collectors applications	.163
F. Shahzad, W. Jamshed, Mohamed R. Eid, R. W. Ibrahim, F. Aslam, S.S.P.M. Isa, K. Guedri	2022	Journal of Magnetism and Magnetic Materials	The effect of pressure gradient on the MHD flow of a tri-hybrid Newtonian nanofluid in a circular channel, 568 (2022) 170320	.164
A.K.M. Ahmed, MD. Shamsuddin, M. Ferdows, Mohamed R Eid	2022	Proc IMechE Part E: Journal of Process Mechanical Engineering	Heat and mass transport through biaxial extending sheet with anisotropic slip and entropy/Bejan on the three-dimensional boundary layer hybrid nanofluid	.165
Nada M. Alfaer, Hassan M. Aljohani, Sayed. Abdel-Khalek, Abdulaziz S. Alghamdi and Romany F. Mansour,	2022	Journal of Healthcare Engineering	"Fusion-Based Deep Learning with Nature-Inspired Algorithm for Intracerebral Haemorrhage Diagnosis"	.166
Althobaiti, Maha M., Ahmed Almulihi, Amal Adnan Ashour, Romany F. Mansour, and Deepak Gupta.	2022	Journal of Healthcare Engineering	"Design of Optimal Deep Learning-Based Pancreatic Tumor and Nontumor Classification Model Using Computed Tomography Scans."	.167
Ragab, M., Ashary, E. B., Farouk, M., Bahaddad, A. A., Mansour, R. F.	2022	Computers, Materials & Continua	Mathematical Modelling of Quantum Kernel Method for Biomedical Data Analysis.	.168
Eshmawi, A. A., Alhumyani, H., Khalek, S. A., Saeed, R. A., Ragab, Romany F Mansour.	2022	Computers, Materials & Continua	Design of Automated Opinion Mining Model Using Optimized Fuzzy Neural Network.	.169
Xue, Y., Onzo, B., Mansour, R. F., Su, S.	2022	Computer Systems Science and Engineering	. Deep Convolutional Neural Network Approach for COVID-19 Detection. Computer Systems Science and Engineering, 42(1), 201–211	.170
Alsaggaf, W., Abukhodair, F., Jamal, A. T., Abdel-Khalek, S., Mansour, R. F."	2022	Computers, Materials & Continua	Intelligent Disease Diagnosis Model for Energy Aware Cluster Based IoT Healthcare Systems,"	.171
Nojood O.Aljehane Romany F.Mansour	2022	Sustainable Energy Technologies	Optimal allocation of renewable energy source and charging station for PHEVs	.172

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
		and Assessments		
Vetriselvi, T., Lydia, E. L., Mohanty, S. N., Alabdulkreem, E., Al-Otaibi, Romany F Mansour	2022	Computers, Materials & Continua	Deep Learning Based License Plate Number Recognition for Smart Cities.	.173
S., C., Natrayan, L., Lydia, E. L., Rahaman, A., Escorcia-Gutierrez, Romany F Mansour	2022	Computers, Materials & Continua	Deep Learning with Backtracking Search Optimization Based Skin Lesion Diagnosis Model.	.174
Muthumayil, K., Buvana, M., Sekar, K. R., Amraoui, A. E., Nouaouri, Romany F Mansour.	2022	Computers, Materials & Continua	Optimized Convolutional Neural Network for Automatic Detection of COVID-19.	.175
Nair, R., Ragab, M., Mujallid, O.A., Mohammad, K.A., Mansour, R.F. and Viju, G.K.,	2022	Wireless Communications and Mobile Computing	Impact of Wireless Sensor Data Mining with Hybrid Deep Learning for Human Activity Recognition.	.176
D. Wu, J. Cui, D. Li and R. Fouad Mansour	2022	Intelligent Automation & Soft Computing	A new route optimization approach of fresh agricultural logistics distribution.	.177
Ragab, M., Ashary, E.B., Aljedaibi, W.H., Alzahrani, I.R., Kumar, A., Gupta, D. and Mansour, R.F.	2022	ISA transactions	A novel metaheuristics with adaptive neuro-fuzzy inference system for decision making on autonomous unmanned aerial vehicle systems. ISA transactions.	.178
Khayyat, M.M., Khayyat, M.M., Abdel-Khalek, S. and Mansour, R.F.	2022	Alexandria Engineering Journal	Blockchain enabled optimal Hopfield Chaotic Neural network based secure encryption technique for industrial internet of things environment. Alexandria Engineering Journal, 61(12), pp.11377-11389.	.179
Mansour, R.F. and Althobaiti, M.M.	2022	Computers, Materials & Continua	Cognitive Computing-Based Mammographic Image Classification on an Internet of Medical.	.180
Ismail, Safaa SI, Romany F. Mansour, Abd El-Aziz, M. Rasha, and Ahmed I. Taloba.	2022	Computational Intelligence and Neuroscience	"Efficient E-Mail Spam Detection Strategy Using Genetic Decision Tree Processing with NLP Features."	.181
Alotaibi, Maged Faihan, Mohamed Omri, Sayed Abdel-Khalek, Eied Khalil, and Romany F. Mansour.	2022	Mathematics	"Computational Intelligence-Based Harmony Search Algorithm for Real-Time Object Detection and Tracking in Video Surveillance Systems.	.182

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
R. F. Mansour, S. A. Althubiti and F. Alenezi,	2022	Computers, Materials & Continua	"Computer vision with machine learning enabled skin lesion classification model	.183
Althobaiti, M.M., Ashour, A.A., Alhindi, N.A., Althobaiti, A., Mansour, R.F., Gupta, D. and Khanna A.	2022	BioMed Research International	Deep Transfer Learning-Based Breast Cancer Detection and Classification Model Using Photoacoustic Multimodal Images	.184
Mansour, Romany F., Hesham Alhumyani, Sayed Abdel Khalek, Rashid A. Saeed, and Deepak Gupta.	2022	Cluster Computing	"Design of cultural emperor penguin optimizer for energy-efficient resource scheduling in green cloud computing environment."	.185
AL-Ghamdi, Abdullah S., Mahmoud Ragab, Saad Abdulla AlGhamdi, Amer H. Asseri, Romany F. Mansour, and Deepika Koundal.	2022	Computational Intelligence and Neuroscience	"Detection of Dental Diseases through X-Ray Images Using Neural Search Architecture Network."	.186
Ragab, Mahmoud, Ashwag Albukhari, Jaber Alyami, and Romany F. Mansour.	2022	Biology	"Ensemble deep-learning-enabled clinical decision support system for breast cancer diagnosis and classification on ultrasound images."	.187
Althobaiti, Ahmed, Abdullah A. Alotaibi, Sayed Abdel-Khalek, Elsaid M. Abdelrahim, Romany F. Mansour, Deepak Gupta, and Sachin Kumar.	2022	Sustainable Computing: Informatics and Systems	"Intelligent Data Science Enabled Reactive Power Optimization of a Distribution System." Sustainable Computing: Informatics and Systems (2022): 100765.	.188
Althobaiti, Ahmed, Abdullah Alhumaidi Alotaibi, Sayed Abdel-Khalek, Suliman A. Alsuhibany, and Romany F. Mansour.	2022	Computers, Materials & Continua	"Intelligent Deep Data Analytics Based Remote Sensing Scene Classification Model.	.189
Escorcia-Gutierrez, José, Margarita Gamarra, Kelvin Beleño, Carlos Soto, and Romany F. Mansour.	2022	Computers and Electrical Engineering	"Intelligent deep learning-enabled autonomous small ship detection and classification model.	.190
Alkhalidi, Nora A., Yousef Asiri, Aisha M. Mashraqi, Hanan T. Halawani, Sayed Abdel-Khalek, and Romany F. Mansour.	2022	Healthcare	"Leveraging Tweets for Artificial Intelligence Driven Sentiment Analysis on the COVID-19 Pandemic." In Healthcare, vol. 10, no. 5, p. 910. MDPI, 2022.	.191
Ragab, Mahmoud, Samah Alshehri, Nabil A. Alhakamy, Romany F.	2022	Computational Intelligence	"Multiclass Classification of Chest X-Ray Images for the Prediction of COVID-19 Using Capsule Network	.192

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
Mansour, and Deepika Koundal.		and Neuroscience		
Ragab, Mahmoud, Abdullah S. AL-Ghamdi, Bahjat Fakieh, Hani Choudhry, Romany F. Mansour, and Deepika Koundal.	2022	Computational Intelligence and Neuroscience	"Prediction of Diabetes through Retinal Images Using Deep Neural Network	.193
Oralhan, Zeki, Burcu Oralhan, Manal M. Khayyat, Sayed Abdel-Khalek, and Romany F. Mansour.	2022	Computational and Mathematical Methods in Medicine	"3D Input Convolutional Neural Network for SSVEP Classification in Design of Brain Computer Interface for Patient User." Computational and Mathematical Methods in Medicine 2022 (2022).	.194
Mansour, R.F., Alhumyani, H., Khalek, S.A. et al.	2022	Cluster Computer	Design of cultural emperor penguin optimizer for energy-efficient resource scheduling in green cloud computing environment.	.195
Romany F. Mansour, Suliman A. Alsuhibany, Sayed Abdel-Khalek, Randa Alharbi, Thavavel Vaiyapuri, Ahmed J. Obaid, Deepak Gupta,	2022	Computer Networks	"Energy Aware Fault Tolerant Clustering with Routing Protocol for Improved Survivability in Wireless Sensor Networks,"	.196
Asiri, Y.; Halawani, H.T.; Alghamdi, H.M.; Abdalaha Hamza, S.H.; Abdel-Khalek, S.; Mansour, R.F.	2022	Applied Sciences	Enhanced Seagull Optimization with Natural Language Processing Based Hate Speech Detection and Classification.	.197
Farghaly, M., Mansour, R. F., & Sewisy, A. A.	2022	Signal, Image and Video Processing	(2022). Two-stage deep learning framework for sRGB image white balance. Signal, Image and Video Processing, 1-8.	.198
Eid, H. F., Mansour, R. F., & Cuevas, E.	2022	SIMULATION	A modified variant of coyote optimization algorithm for solving ordinary differential equations and oscillatory mechanical problems.	.199
Islam, M. K., Kaushal, C., Amin, M. A., Algarni, A. D., Alturki, N., Soliman, N. F., & Mansour, R. F.	2022	Contrast Media & Molecular Imaging	A Secure Framework toward IoMT-Assisted Data Collection, Modeling, and Classification for Intelligent Dermatology Healthcare Services. Contrast Media & Molecular Imaging, 2022.	.200
Qi, A., Zhao, D., Yu, F., Heidari, A.A., Wu, Z., Cai, Z., Alenezi, F., Mansour, R.F., Chen, H. and Chen, M.	2022	Computers in biology and medicine	Directional mutation and crossover boosted ant colony optimization with application to COVID-19 X-ray image segmentation.	.201

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
Mansour, R. F.	2022	Scientific Reports	Artificial intelligence based optimization with deep learning model for blockchain enabled intrusion detection in CPS environment.	.202
Mansour, R. F.	2022	Expert Systems with Applications	Blockchain assisted clustering with Intrusion Detection System for Industrial Internet of Things environment.	.203
M.M. Alsuyuti, E.H. Doha, S.S. Ezz-Eldien,	2022	Communications in Nonlinear Science and Numerical Simulation, 114 (2022) 106608.	Galerkin operational approach for multi-dimensions fractional differential equations,	.204
M.A. Zaky, M.A. Abdelkawy, S.S. Ezz-Eldien, E.H. Doha,	2022		Pseudospectral methods for the Riesz space-fractional Schrödinger equation, Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing and Control, 2 (2022) 323-353.	.205
Abd El Fattah El Atik, Mohammed, and S. Badr	2022	International Journal of Mathematics and Computer Science	Closure operators in terms of chromosomal mutations	.206
Alzahrani, Samirah, A. I. El-Maghrabi, and M. S. Badr. "	2022	Intelligent Automation & Soft Computing	Another View of Weakly Open Sets Via DNA Recombination	.207
Mareay, R., Noaman, I., Abu-Gdairi, R., & Badr, M	2022	Mathematics	On Covering-Based Rough Intuitionistic Fuzzy Sets.	.208
Alzahrani, S., Nasef, A. A., Youns, N., El-Maghrabi, A. I., & Badr, M. S	2022	AIMS Mathematics	Soft topological approaches via soft $\gamma$ -open sets	.209
M. A. Abdel-Razek, A. M. Mahmoud, D. A. M. Bakhit	2022	New Valley University Journal of Basic and Applied Sciences, 29 May 2022.	Periodic behaviour of solution for a kind of third-order neutral delay differential equation	.210

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		Doi.10.21608/NUJBAS.2022.114490.1003.		
Mahmoud, A.M., Ademola, A.T.	2022	Advances in Continuous and Discrete Models, 2022 (1), 28, 2022. <a href="https://doi.org/10.1186/s13662-022-03703-x">https://doi.org/10.1186/s13662-022-03703-x</a>	On the behaviour of solutions to a kind of third order neutral stochastic differential equation with delay	.211
Hoda F. Ahmed, Ayman M. Mahmoud, Marina B. Melad	2022	Delta Journal of Science, 45 (1), 75-92, 2022. DOI: 10.21608/DJS.2022.162580.1039	A New Numerical Mechanism for Solving Two Models of Variable Order Delay Differential Equations	.212
A. A. Azzam	2022	Italian Journal of Pure and Applied Mathematics, 47(2022), (258–270).	Comparison of two types of rough approximation via grill	.213
Tareq M. Al-Shami, Hariwan Z. Ibrahim, A. A. Azzam and Ahmed I. EL-Maghrabi	2022	Journal of Function Spaces, Vol. 2022 (2022).	SR-Fuzzy Sets and their Weighted Aggregated Operators in Applications to Decision Making	.214
A. A. Azzam, and A. A. Nasef	2022	Mathematical problem in Engineering, Vol. 2022(2022).	$\alpha$ -Completely Regular and Almost $\alpha$ -Completely Regular spaces	.215
Rodyna A. Hosny, Tareq M. Al-shami, A. A. Azzam, and Ashraf S. Nawar	2022	Mathematical problem in Engineering, Vol. 2022(2022).	Knowledge-based on rough approximations and ideals	.216
Radwan Abu- Gdairi1, A. A. Azzam, and Ibrahim Noaman	2022	EUROPEAN JOURNAL OF PURE AND APPLIED	Nearly Soft $\beta$ - Open Sets via Soft Ditopological Spaces	.217



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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
		MATHEMATICS, 15 (1) (2022) 126-134.		
Mohammed, H.S.	2022	American Journal of Mathematical and Management Sciences, (2022) 41(1), 88-99	Bayesian Prediction Bounds from a Family of Exponentiated Distributions in the Presence of Outliers	.218
Ateya, S.F., Ameen, M.M. and Mohammed, H.S.	2022	Communications in Statistics-Theory and Methods(2022) 51 (12), 4029-4041	Prediction under an adaptive progressive type-II censoring scheme for Burr Type-XII distribution.	.219
Zanyar A. Ameen, Tareq M. Al-Shami, A. A. Azzam, Abdelwaheb Mhemdi	2022	Journal of Function Spaces, Vol. 2022 (2022).	A novel fuzzy structure: infra-fuzzy topological spaces	.220
A. A. Azzam, Zanyar A. Ameen, Tareq M. Al-shami, and Mohammed E. El-Shafei	2022	Symmetry 2022, 14(2022).	Generating Soft Topologies via Soft Set Operators	.221
Barakah Almarria, A. A. Azzam	2022	Mathematical problem in Engineering, Vol. 2022(2022).	Energy Saving via Minimal Structure	.222
Tareq M. Al-shami 1, Zanyar A. Ameen, A. A. Azzam, and Mohammed E. El-Shafei	2022	AIMS Mathematics, 7(8) (2022), 15107–15119.	Soft separation axioms via soft topological operators	.223
Tareq M. Al-shami, José Carlos R. Alcantud, and A. A. Azzam	2022	Mathematics 10 (4488) (2022).	Two New Families of Supra-Soft Topological Spaces Defined by Separation Axioms	.224
A. A. Azzam, Asmaa. M. Nasr, Hewayda ElGhawalby and R. Mareay	2023	Fractal Fract. 7(168) (2023).	Application on Similarity Relation and Pretopology	.225

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
A. A. Azzam, Shah, S.A.; C ˆatas, A.; Cotırl ˆa, L.-I	2023	Fractal Fract. 7(145) (2023).	On Fuzzy Spiral-Like Functions Associated with the Family of Linear Operators	.226
Dilshad Alghazzwi, Arshad Ali, Ahmad Almutlg, E. A. Abo-Tabl, and A. A. Azzam	2023	AIMS Mathematics, 8(4) (2023)8365–8385.	A novel structure of q-rung orthopair fuzzy sets in ring theory	.227
AbdelFatah Azzam, Shujaat Ali Shah, Alhanouf Alburaikan and Sheza M. El-Deeb	2023	Symmetry (15) (509),2023.	Certain Inclusion Properties for the Class of q-Analogue of Fuzzy $\alpha$ -Convex Functions	.228
Abd El Fattah El Atik and A. A. Azzam	2023	Afrika Matematika (2023) 34:22 <a href="https://doi.org/10.1007/s13370-023-01060-w">https://doi.org/10.1007/s13370-023-01060-w</a>	Topological representations of simplicial complexes and their applications	.229
Ayman M. Mahmoud and Doaa A. M. Bakhit	2023	Turkish Journal of Mathematics doi:10.55730/1300-0098.3351	On the properties of solutions for nonautonomous third-order stochastic differential equation with a constant delay	.230
A. A. Azzam, and Tareq M. Al-shami	2023	Symmetry 2023, 15, 751. <a href="https://doi.org/10.3390/sym15030751">https://doi.org/10.3390/sym15030751</a>	Five Generalized Rough Approximation Spaces Produced by Maximal Rough Neighborhoods	.231
Mohamed I Nouh, Emad AB Abdel-Salam, Yosry A Azzam	2023	Scientific African	Artificial Neural Network Approach for Relativistic Polytropes	.232
Gamal F Hassan, Emad A-B Abdel-Salam, Rashwan A Rashwan	2023	Mathematical methods in applied science	Approximation of functions by complex conformable derivative bases in Fréchet spaces	.233
Zhang, Meilin, Huiling Chen, Ali Asghar Heidari, Zhennao Cai, Nojood O. Aljehane, and Romany F. Mansour.	2023	Applied Soft Computing	"OCRUN: An oppositional Runge Kutta optimizer with cuckoo search for global optimization and feature selection	.234

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Yu, Helong, Zisong Zhao, Ali Asghar Heidari, Li Ma, Monia Hamdi, Romany F. Mansour, and Huiling Chen.	2023	iScience	"An Accelerated Sine Mapping Whale Optimizer for Feature Selection."	.235
Chen, Jiaochen, Zhennao Cai, Ali Asghar Heidari, Huiling Chen, Qiuxiang He, José Escorcia-Gutierrez, and Romany F. Mansour.	2023	Biomedical Signal Processing and Control.	"Multi-threshold image segmentation based on an improved differential evolution: Case study of thyroid papillary carcinoma	.236
Fu, Ronghao, Chengcheng Chen, Shuang Yan, Ali Asghar Heidari, Xianchang Wang, José Escorcia-Gutierrez, Romany F. Mansour, and Huiling Chen.	2023	Neurocomputing	"Gaussian similarity-based adaptive dynamic label assignment for tiny object detection."	.237
Alenezi, Fayadh, Ammar Armghan, Abdullah G. Alharbi, Şaban Öztürk, Sara A. Althubiti, and Romany F. Mansour.	2023	Expert Systems with Applications	"Reverse gamma correction based GARCH model for underwater image dehazing and detail exposure."	.238
Escorcia-Gutierrez, José, Margarita Gamarra, Roosvel Soto-Diaz, Safa Alsafari, Ayman Yafoz, and Romany F. Mansour	2023	Computers, Materials & Continua	. "Optimal Synergic Deep Learning for COVID-19 Classification Using Chest X-Ray Images."	.239
Chen, Zhiqing, Ping Xuan, Ali Asghar Heidari, Lei Liu, Chengwen Wu, Huiling Chen, José Escorcia-Gutierrez, and Romany F. Mansour.	2023	." Iscience	"An artificial bee bare-bone hunger games search for global optimization and high-dimensional feature selection	.240
Weng, Xuemeng, Ping Xuan, Ali Asghar Heidari, Zhennao Cai, Huiling Chen, Romany F. Mansour, and Mahmoud Ragab	2023	Energy	. "A vertical and horizontal crossover sine cosine algorithm with pattern search for optimal power flow in power systems	.241
Chen, Jiaochen, Zhennao Cai, Huiling Chen, Xiaowei Chen, José Escorcia-Gutierrez, Romany F. Mansour, and Mahmoud Ragab.	2023	Journal of Bionic Engineering	"Renal Pathology Images Segmentation Based on Improved Cuckoo Search with Diffusion Mechanism and Adaptive Beta-Hill Climbing."	.242
Escorcia-Gutierrez, José, Margarita Gamarra, Esmeide Leal, Natasha	2023	Computers and Electrical Engineering	"Sea turtle foraging algorithm with hybrid deep learning-based intrusion detection for the internet of drones	.243

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Madera, Carlos Soto, Romany F. Mansour, Meshal Alharbi, Ahmed Alkhayyat, and Deepak Gupta.			environment."	
Abdelrahim, Elsaid Md, Mona Alduailij, Mai Alduailij, Romany F. Mansour, and Osama A. Ghoneim.	2023	Computer Systems Science & Engineering	"An Optimized Approach for Spectrum Utilization in mmWave Massive MIMO 5G Wireless Networks	.244
Zhang, Meilin, Qianxi Wu, Huiling Chen, Ali Asghar Heidari, Zhenhao Cai, Jiaren Li, Elsaid Md Abdelrahim, and Romany F. Mansour	2023	." Biomedical Signal Processing and Control	. "Whale optimization with random contraction and Rosenbrock method for COVID-19 disease prediction	.245
Hao, Shuhui, Changcheng Huang, Ali Asghar Heidari, Zhangze Xu, Huiling Chen, Maha M. Althobaiti, Romany F. Mansour, and Xiaowei Chen	2023	Biomedical Signal Processing and Control	."Performance optimization of water cycle algorithm for multilevel lupus nephritis image segmentation.	.246
Mohamed R. Eid, A.F. Al-Hossainy	2023	Waves in Random and Complex Media	Combined experimental thin film, DFT-TDDFT computational study, flow and heat transfer in [PG-MoS2/ZrO2]C hybrid nanofluid	.247
W. Jamshed, R. Safdar, A. Brahmia, A.K. Alanazi, H.M. Abo-Dief, Mohamed R. Eid	2023	Energy & Environment	Numerical simulations of environmental energy features in solar pump application by using hybrid nanofluid flow: Prandtl-Eyring case	.248
F.S. Bayones, W. Jamshed, S.H. Elhag, Mohamed R. Eid	2023	Energy & Environment	Computational Galerkin finite element method for thermal hydrogen energy utilization of first grade viscoelastic hybrid nanofluid flowing inside PTSC in solar powered ship applications	.249
S.M. Hussain, W. Jamshed, Mohamed R. Eid	2023	Arabian Journal for Science and Engineering	Solar-HVAC thermal investigation utilizing (Cu-AA7075/C6H9NaO7) MHD-driven hybrid nanofluid rotating flow via second-order convergent technique: A novel engineering study	.250
T. Sajid, W. Jamshed, F. Shahzad, I. Ullah, R.W. Ibrahim, Mohamed R. Eid, M. Arshad, H.A. Khalifa, S.K. Alharbi, M.E. Tag El	2023	Ain Shams Engineering Journal	Insightful into dynamics of magneto Reiner-Philippoff nanofluid flow induced by triple-diffusive convection with zero nanoparticle mass flux	.251

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Din				
T. Sajid, A.A. Pasha, W. Jamshed, F. Shahzad, Mohamed R. Eid, R.W. Ibrahim, S.M. El Din	2023	Alexandria Engineering Journal	Radiative and porosity effects of trihybrid Casson nanofluids with Bödewadt flow and inconstant heat source by Yamada-Ota and Xue models	.252
MD. Shamsuddin, F. Shahzad, W. Jamshed, A. Béq, Mohamed R. Eid, T.A. Béq	2023	Journal of Magnetism and Magnetic Materials	Thermo-solutal stratification and chemical reaction effects on radiative magnetized nanofluid flow along an exponentially stretching sensor plate: Computational analysis	.253
R. Abdelhak, F. Redouane, W. Jamshed, Mohamed R. Eid, K. Guedri, M. Israr Ur Rehman, S.M. El Din	2023	Ain Shams Engineering Journal	Analysis of water conveying aluminum oxide/silver nanoparticles due to mixed convection through four square cavity's variable hot (cold) walled,	.254
H. Hanif, W. Jamshed, Mohamed R. Eid, S.U. Devi S, R.W. Ibrahim, S. Shafie, A.A. Raezah, S.M.El Din	2023	Case Studies in Thermal Engineering	Numerical Crank-Nicolson methodology analysis for hybridity aluminium alloy nanofluid flowing based-water via stretchable horizontal plate with thermal resistive effect	.255
T. Sajid, W. Jamshed, R.W. Ibrahim, Mohamed R. Eid, A. Abd-Elmonem, M. Arshad	2023	Journal of Magnetism and Magnetic Materials	Quadratic regression analysis for nonlinear heat source/sink and mathematical Fourier heat law influences on Reiner-Philippoff hybrid nanofluid flow applying Galerkin finite element method	.256
M. Israr Ur Rehman, H. Chen, A. Hamid, W. Jamshed, Mohamed R. Eid, S.M. El Din, H.A. Khalifa, A. Abd-Elmonem	2023	Case Studies in Thermal Engineering	Effect of Cattaneo-Christov heat flux case on Darcy-Forchheimer flowing of Sutterby nanofluid with chemical reactive and thermal radiative impacts	.257
T. Sajid, W. Jamshed, Mohamed R. Eid, G.C. Altamirano, F. Aslam, A.M. Alanzi, A. Abd-Elmonem	2023	Journal of Magnetism and Magnetic Materials	Magnetized Cross Tetra Hybrid Nanofluid Passed a Stenosed Artery with Nonuniform Heat Source (Sink) and Thermal Radiation: Novel Tetra Hybrid Tiwari and Das Nanofluid Model	.258
N.A. Aminuddin, N.A.A.M. Nasir, W. Jamshed, A. Ishak, I. Pop, Mohamed R. Eid	2023	Symmetry	Impact of thermal radiation on MHD GO-Fe <sub>2</sub> O <sub>4</sub> /EG flow and heat transfer over a moving surface	.259
I. Ullah, F. Ali, S.M. Isa, S. Murtaza, W. Jamshed, Mohamed R. Eid, A. Amjad, K. Guedri, H.A. Khalifa, S.M. El Din	2023	Arabian Journal of Chemistry	Electro-magnetic radiative flowing of Williamson-dusty nanofluid along elongating sheet: Nanotechnology application	.260
F.H. Ali, H.K. Hamzah,	2023	International	Convective heat transference of non-	.261

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S.Y. Ahmed, M.A. Ismael, Z. Haddad, M. Ghalambaz, A.M. Abed, K. Al-Farhany, W. Jamshed, Mohamed R. Eid		Journal of Modern Physics B	Newtonian functional phase variation nano-encapsulated liquids	
F. Shahzad, W. Jamshed, Mohamed R. Eid, S.M. El Din, R. Banerjee	2023	Alexandria Engineering Journal	Mathematical modelling of graphene-oxide/kerosene oil nanofluid via radiative linear extendable surface	.262
G. Shankar, S.R. Sheri, W. Jamshed, R.W. Ibrahim, Mohamed R. Eid, K. Guedri	2023	International Journal of Modern Physics B	Radiative and viscid dissipative flowing influences on heat and mass transfer in MHD Casson fluid employing Galerkin finite element style	.263
D.G. Prakasha, M.V.V.N.L. Sudharani, K.G. Kumar, E.M. Elsaid, Mohamed R. Eid	2023	Journal of Thermal Analysis and Calorimetry	Thermal amelioration of aluminium nano-alloys on swirling aqueous MHD viscous nanofluid flow via a deformable cylinder: Applying magnetic dipole	.264
A.A. Al Qarni, Essam M. Elsaid, Abdel-Haleem Abdel-Aty, Mohamed R. Eid	2023	Case Studies in Thermal Engineering	Heat transfer efficacy and flow progress of tripartite diffusion in magneto-radiative Reiner-Philippoff nanofluid in porous Darcy-Forchheimer substance with heat source	.265
W. Jamshed, Mohamed R. Eid, S. Rehman, S.S.P.M. Isa, A. Abd-Elmonem, A.M. Alanzi, S. Farooq	2023	Numerical Heat Transfer Part A-Applications	Numerical heat and solutal transfer simulation of fluid flowing via absorptive shrinkable sheet with Ohmic heat resistance,	.266
S. Rehman, W. Jamshed, Mohamed R. Eid, K. Irshad, A.A. Pasha, S. Algarni, S.M. El Din, T. Alqahtani	2023	Case Studies in Thermal Engineering	Accurate solution of unsteadiness natural convective Maxwell nanofluid based-mineral oil flow via oscillation vertical surface: Thermic case specification	.267
Y. Kai, S. Ahmad, H. Takana, K. Ali, W. Jamshed, Mohamed R. Eid, A. Abd-Elmonem, S.M. El Din	2023	Results in Physics	Thermal case study and generated vortices by dipole magnetic field in hybridized nanofluid flowing: Alternating direction implicit solution	.268
S.M. Hussain, Mohamed R. Eid, M. Prakash, W. Jamshed, A. Khan, H. Alqahtani	2023	Open Physics	Thermal characterization of heat source (sink) on hybridized (Cu-Ag/EG) nanofluid flow via solid stretchable sheet,	.269
N.A.A.M. Nasir, T. Sajid, W. Jamshed, G.C. Altamirano, Mohamed R. Eid, F.A. ElSeabee	2023	Symmetry	Cubic chemical autocatalysis and oblique magneto dipole effectiveness on Cross nanofluid flow via a symmetric stretchable wedge,	.270
T.P. Kumar, G.	2023	Numerical	Transient conditions effects on	.271

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Dharmaiah, K. Al-Farhany, A. Abdulkadhim, M.A. Alomari, M.H. Abdulsad, W. Jamshed, Mohamed R. Eid, H. Alqahtani		Heat Transfer Part B: Fundamentals	electromagnetic Casson fluid flow via stretching surface: System thermal case elaboration	
F. Fangfang, T. Sajid, W. Jamshed, Mohamed R. Eid, G.C. Altamirano, I. Altaf, A. Abd-Elmonem, S.M. El Din	2023	Case Studies in Thermal Engineering	Thermal transport and characterized flow of trihybrid Tiwari and Das Sisko nanofluid via a stenosis artery: A case study	.272
T. Sajid, W. Jamshed, Mohamed R. Eid, S. Algarni, T. Alqahtani, R.W. Ibrahim, K. Irshad, S.M. Hussain, S.M. El Din	2023	Case Studies in Thermal Engineering	, Thermal case examination of inconstant heat source (sink) on viscous radiative Sutterby nanofluid flowing via a penetrable rotative cone,	.273
T. Sajid, W. Jamshed, N.M. Katbar, Mohamed R. Eid, A. Abd-Elmonem, N.S.E. Abdalla, S.M. El Din, G.C. Altamirano	2023	Case Studies in Thermal Engineering	Thermal case classification of solar-powered cars for binary tetra hybridity nanofluid using Cash and Carp method with Hamilton-Crosser model	.274
M.I. Ur Rehmana, H. Chen, A. Hamid, W. Jamshed, Mohamed R. Eid, H. A. Khalifa, B.A.A. Yousif	2023	Numerical Heat Transfer Part B: Fundamentals	Chemical reactive process of unsteady bioconvective magneto Williamson nanofluid flow across wedge with nonlinearly thermal radiation: Darcy–Forchheimer model	.275
F. Wang, T. Sajid, N.M. Katbar, W. Jamshed, Usman, Mohamed R Eid, A. Abd-Elmonem, S.S.P.M. Isa, S.M. El Din, A. Amjad, G.C. Altamirano	2023	Journal of Computational Design and Engineering	Computational examination of non-Darcian flow of radiative ternary hybridity Casson nanofluid through moving rotary cone	.276
T. Sajid, M.K. Al Mesfer, W. Jamshed, Mohamed R. Eid, M. Danish, K. Irshad, R.W. Ibrahim, S. Batool, S.M. El Din, G.C. Altamirano	2023	Results in Physics	Endo/exothermic chemical processes influences of tri-hybridity nanofluids flowing over wedge with convective boundary constraints and activation energy	.277
Mohamed R. Eid, W. Jamshed, B.S. Goud, Usman, R.W. Ibrahim, S.M. El Din, A. Abd-Elmonem, N.S.E. Abdalla	2023	Case Studies in Thermal Engineering	Mathematical analysis for energy transfer of micropolar magnetic viscous nanofluid flow on permeable inclined surface and Dufour impact	.278
MD. Shamshuddin, S.O. Salawu, F. Shahzad, W. Jamshed, Mohamed R. Eid, G.R. Rajput	2023	Numerical Heat Transfer Part A- Applications	Thermal examination of chemical interaction and thermophoretic diffusion of Williamson fluid flow across Riga Plate surface with nonlinearity radiation flux	.279

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المؤلفين	العام	المجلة	عنوان البحث بلغة النشر	رقم
U. Yashkun, K. Zaimi, S.F. Sufahani, Mohamed R. Eid, M. Ferdows	2023	Applied Mathematics- A Journal of Chinese Universities Series B	Flow and heat transfer of a nanofluid through a porous medium due to stretching/shrinking sheet with suction, magnetic field and thermal radiation	.280
M. Ouada, M. Kezzar, N. Talbi, Mohamed R. Eid, M.R. Sari, W.M. Yousef, E.M. Elsaid	2023	European Physical Journal Plus	Heat transfer characteristics of moving longitudinal porous fin wetted with ternary (Cu-Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> ) hybrid nanofluid: ADM solution	.281
B. Mebarki, K. Mohammed, M. Imtiaz, D. Belkacem, M. Medal, K. Benhanifia, W. Jamshed, Mohamed R. Eid, S.M. El Din	2023	Arabian Journal of Chemistry	A CFD examination of free convective flow of a non-Newtonian viscoplastic fluid using ANSYS Fluent	.282
I. Ullah, W.A. Khan, W. Jamshed, A. Abd-Elmonem, N.S.E. Abdalla, R.W. Ibrahim, Mohamed R. Eid, F.A. ElSeabee	2023	Journal of Molecular Liquids	Heat generation (absorption) in 3D bioconvection flow of Casson nanofluid via a convective heated stretchable surface	.283
Mohamed R. Eid, W. Jamshed, A. Abd-Elmonem, A.F. Al-Hossainy, N. Almutlaq, A. Amjad, S.M. El Din	2023	Nanotechnology Reviews	Energy bandgap and thermal characteristics of non-Darcian MHD rotating hybridity nanofluid thin film flow: Nanotechnology application	.284
M.F. Al-Dawody, M. Imtiaz, N.M. Katbar, M.A. Abdulwahid, W. Al-Obaidi, K. Al-Farhany, M.A. Flayyih, W. Jamshed, Mohamed R. Eid, A. Alhushaybari, A.M. Alharthi	2023	Biofuels Bioproducts and Biorefining	The effect of biogas and dimethyl ether on the thermal characteristics of a dual-fuel diesel engine: A numerical study	.285
El-Atik, A.A.; Abu-Gdairi, R.; Nasef, A.A.; Jafari, S.; Badr, M.	2023	Symmetry	Fuzzy Soft Sets and Decision Making in Ideal Nutrition	.286
Samirah Alzahrani, AI EL-Maghrabi, MA AL-Juhani, MS Badr		Journal of King Saud University - Science	New approach of soft M-open sets in soft topological spaces	.287
R Mareay, Radwan Abu-Gdairi, M Badr	2023	Axioms	Modeling of COVID-19 in View of Rough Topology	.288
AA El-Atik, Y Tashkandy, S Jafari, AA Nasef, W Emam, M Badr	2023	AIMS Mathematics	Mutation of DNA and RNA sequences through the application of topological spaces	.289



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M Badr, Radwan Abu-Gdairi, AA Nasef	2023	Symmetry	Mutations of Nucleic Acids via Matroidal Structures	.290
M Badr, Radwan Abu-Gdairi, AI EL-Maghrabi, Ibrahim Gad	2023	Jokull	A Recent View of Generalized closed sets	.291
AM Rashad, MA Nafe, DA Eisa	2023	Scientific Reports	Heat variation on MHD Williamson hybrid nanofluid flow with convective boundary condition and Ohmic heating in a porous material	.292
AM Rashad, MA Nafe, DA Eisa	2023	Special Topics & Reviews in Porous Media: An International Journal	Variation of thermal conductivity and heat on magnetic Maxwell hybrid nanofluid viscous flow in a porous system with higher-order chemical react	.293
AM Rashad, MA Nafe, DA Eisa	2023	New Valley University Journal of Basic and Applied Sciences	2D Radiative Casson-Carreau Hybrid Nanofluid Flow through a Circular Cylinder in a Darcy-Forchheimer Porous Medium	.294
AM Rashad, MA Nafe, DA Eisa	2023	Journal of Nanofluids	Yield Stress Impact on Magnetohydrodynamic Jeffery Hybrid Nanofluid Flow Over a Moving Porous Surface: Buongiorno's Model	.295
Mahmoud, A. M. and Bakhit, D. A. M.,	2023	Turkish Journal of Mathematics	On the properties of solutions for nonautonomous third-order stochastic differential equation with a constant delay	.296
Taie, R. O. A. and Bakhit, D. A. M.	2023	Boundary Value Problems	Existence and uniqueness criterion of a periodic solution for a third-order neutral differential equation with multiple delay	.297
Taie, R. O. A. and Bakhit, D. A. M.	2023	Mediterranean Journal of Mathematics	Some new results on the uniform asymptotic stability for Volterra integro-differential equations with delays	.298
Manal M. Yousef , Aisha Fayomi and Ehab M. Almetwally	2023	Symmetry	Simulation Techniques for Strength Component Partially Accelerated to Analyze Stress–Strength Model	.299
Atef F. Hashem, Salem A. Alyami and Manal M. Yousef	2023	Axioms	Utilizing Empirical Bayes Estimation to Assess Reliability in Inverted Exponentiated Rayleigh Distribution with Progressive	.300

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			Hybrid Censored Medical Data	
Mahmoud, A. M. and Bakhit, D. A. M.	2024	Filomat	On behaviours for the solution to a certain third-order stochastic integro-differential equation with time delay	.301
Hoda F. Ahmed and Marina B. Melad	2023	Mathematical sciences	A new numerical strategy for solving nonlinear singular Emden fowler delay differential models with variable order	.302
MM Alsuyuti, EH Doha, BI Bayoumi, SS Ezz-Eldien	2023	Computational and Applied Mathematics	Robust spectral treatment for time-fractional delay partial differential equations	.303
MM Alsuyuti, EH Doha, SS Ezz-Eldien	2023	Mathematical Methods in the Applied Sciences	Numerical simulation for classes of one-and two-dimensional multi-term time-fractional diffusion and diffusion-wave equation based on shifted Jacobi Galerkin scheme	.304
A. M. Mahmoud and D. A. M. Bakhit	2023	Turkish J. Math., 47(1), 135-158, 2023.	On the properties of solutions for nonautonomous third order stochastic differential equation with a constant delay	.305
A. M. Mahmoud, A. A. M. A. Elamin, S. E. A. Elhussein and M. E. Eboelhasan	2023	Dynamic Systems and Applications, 32, 81-101, 2023.	Some qualitative properties of solutions for multi-delay nonautonomous stochastic lienard equation	.306
Mohamed R. Eid, A.F. Al-Hossainy	2023	Waves in Random and Complex Media	Combined experimental thin film, DFT-TDDFT computational study, flow and heat transfer in [PG-MoS <sub>2</sub> /ZrO <sub>2</sub> ]C hybrid nanofluid	.307
T. Sajid, W. Jamshed, F. Shahzad, I. Ullah, R.W. Ibrahim, Mohamed R. Eid, M. Arshad, H.A. Khalifa, S.K. Alharbi, M.E. Tag El Din	2023	Ain Shams Engineering Journal	Insightful into dynamics of magneto Reiner-Philippoff nanofluid flow induced by triple-diffusive convection with zero nanoparticle mass flux	.308
T. Sajid, A.A. Pasha, W. Jamshed, F. Shahzad, Mohamed R. Eid, R.W. Ibrahim, S.M. El Din	2023	Alexandria Engineering Journal	Radiative and porosity effects of trihybrid Casson nanofluids with Bödewadt flow and inconstant heat source by Yamada-Ota and Xue models	.309
MD. Shamshuddin, F. Shahzad, W. Jamshed, A. Bé, Mohamed R. Eid, T.A. Bé	2023	Journal of Magnetism and Magnetic Materials	Thermo-solutal stratification and chemical reaction effects on radiative magnetized nanofluid flow along an exponentially stretching sensor plate: Computational analysis	.310

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H. Hanif, W. Jamshed, Mohamed R. Eid, S.U. Devi S, R.W. Ibrahim, S. Shafie, A.A. Raezah, S.M.El Din	2023	Case Studies in Thermal Engineering	Numerical Crank-Nicolson methodology analysis for hybridity aluminium alloy nanofluid flowing based-water via stretchable horizontal plate with thermal resistive effect	.311
T. Sajid, W. Jamshed, R.W. Ibrahim, Mohamed R. Eid, A. Abd-Elmonem, M. Arshad	2023	Journal of Magnetism and Magnetic Materials	Quadratic regression analysis for nonlinear heat source/sink and mathematical Fourier heat law influences on Reiner-Philippoff hybrid nanofluid flow applying Galerkin finite element method	.312
M. Israr Ur Rehman, H. Chen, A. Hamid, W. Jamshed, Mohamed R. Eid, S.M. El Din, H.A. Khalifa, A. Abd-Elmonem	2023	Case Studies in Thermal Engineering	Effect of Cattaneo-Christov heat flux case on Darcy-Forchheimer flowing of Sutterby nanofluid with chemical reactive and thermal radiative impacts	.313
T. Sajid, W. Jamshed, Mohamed R. Eid, G.C. Altamirano, F. Aslam, A.M. Alanzi, A. Abd-Elmonem	2023	Journal of Magnetism and Magnetic Materials	Magnetized Cross Tetra Hybrid Nanofluid Passed a Stenosed Artery with Nonuniform Heat Source (Sink) and Thermal Radiation: Novel Tetra Hybrid Tiwari and Das Nanofluid Model	.314
N.A. Aminuddin, N.A.A.M. Nasir, W. Jamshed, A. Ishak, I. Pop, Mohamed R. Eid	2023	Symmetry	Impact of thermal radiation on MHD GO-Fe <sub>2</sub> O <sub>4</sub> /EG flow and heat transfer over a moving surface, 15(3) (2023) 584	.315
Alzahran, S., EL-Maghrabi, A. I., AL-Juhani, M. A., & Badr, M	2023	Journal of King Saud University-Science,	New approach of soft M-open sets in soft topological spaces.	.316
Escorcía-Gutiérrez, J., Mansour, R.F., Leal, E., Villanueva, J., Jimenez-Cabas, J., Soto, C. and Soto-Díaz, R.,	2023	Mobile Networks and Applications, pp.1-12.	Privacy Preserving Blockchain with Energy Aware Clustering Scheme for IoT Healthcare Systems.	.317
Weng, Xuemeng, Ping Xuan, Ali Asghar Heidari, Zhenhao Cai, Huiling Chen, Romany F. Mansour, and Mahmoud Ragab	2023	Energy	"A vertical and horizontal crossover sine cosine algorithm with pattern search for optimal power flow in power systems."	.318
Gupta, Divya, Shalli Rani, Saleem Raza, Nawab Muhammad Faseeh Qureshi, Romany F. Mansour, and Mahmoud Ragab.	2023	Journal of King Saud University-Computer and Information Sciences	"Security Paradigm for Remote Health Monitoring Edge Devices in Internet of Things."	.319

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Hao, Shuhui, Changcheng Huang, Ali Asghar Heidari, Zhangze Xu, Huiling Chen, Maha M. Althobaiti, Romany F. Mansour, and Xiaowei Chen.	2023	Biomedical Signal Processing and Control	Performance optimization of water cycle algorithm for multilevel lupus nephritis image segmentation."	.320
I. Ullah, F. Ali, S.M. Isa, S. Murtaza, W. Jamshed, Mohamed R. Eid, A. Amjad, K. Guedri, H.A. Khalifa, S.M. El Din	2023	Arabian Journal of Chemistry	Electro-Magnetic Radiative Flowing of Williamson-Dusty Nanofluid along Elongating Sheet: Nanotechnology Application	.321
A. M. Mahmoud, A. O. Adewumi and A. T. Ademola	2023	Journal of Inequalities and Applications, 148(2023), 1-15, 2023	Stochastic stability of solutions for a fourth-order stochastic differential equation with constant delay	.322
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