No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Patil, D.	FEA Stress Determination for Weld Fatigue Using Hot-Spot Stress Method: Benchmarking and Rail Application	railroad equipment, structural stress, hot-spot stress, nominal stress, weld fatigue, FEA	12, 3, 191-201	https://doi.org/10.18280/ijcmem.120301	Patil, D. (2024). FEA stress determination for weld fatigue using hot-spot stress method: Benchmarking and rail application. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 191-201. https://doi.org/10.18280/ijcmem.120301
2	Kumari, P.S., Ibrahim, S.M., Kumar, P.V., Lorenzini, G.	Radiative Chemically MHD Non-Newtonian Nanofluid Flow over an Inclined Stretching Sheet with Heat Source and Multi-Slip Effects	nanofluid, Casson, MHD, thermal radiation, heat source, multiple slip effects, HAM method	12, 3, 203-215	https://doi.org/10.18280/ijcmem.120302	Kumari, P.S., Ibrahim, S.M., Kumar, P.V., Lorenzini, G. (2024). Radiative chemically MHD non-Newtonian nanofluid flow over an inclined stretching sheet with heat source and multi-slip effects. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 203-215. https://doi.org/10.18280/ijcmem.120302
3	Shree, P., Suvvari, S.	Parallel Memory-Based Collaborative Filtering for Distributed Big Data Environments	memory-based, cosine similarity, euclidean distance, PySpark, parallel and distributed environment	12, 3, 217-225	https://doi.org/10.18280/ijcmem.120303	Shree, P., Suvvari, S. (2024). Parallel memory-based collaborative filtering for distributed big data environments. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 217-225. https://doi.org/10.18280/ijcmem.120303
4	Yahya, I.Z.A., Kaedhi, H.M., Karash, E.T., Najm, W.M.	Finite Element Analysis of the Effect of Carbon Nanotube Content on the Compressive Properties of Zirconia Nanocomposites	zirconia nanotube, simulations, mechanical properties, bending load, compressive load, ceramic	12, 3, 227-235	https://doi.org/10.18280/ijcmem.120304	Yahya, I.Z.A., Kaedhi, H.M., Karash, E.T., Najm, W.M. (2024). Finite element analysis of the effect of carbon nanotube content on the compressive properties of zirconia nanocomposites. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 227-235. https://doi.org/10.18280/ijcmem.120304
5	Idfi, G., Lasminto, U., Kartika, A.A.G.	Experimental Study of Energy Dissipation and Efficiency in a Stair-Shaped Modification of USBR Type III Stilling Basin	stilling basin, USBR type III, stair-shaped type, energy dissipation ratio, efficiency perform	12, 3, 237-250	https://doi.org/10.18280/ijcmem.120305	Idfi, G., Lasminto, U., Kartika, A.A.G. (2024). Experimental study of energy dissipation and efficiency in a stair-shaped modification of USBR Type III stilling basin. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 237-250. https://doi.org/10.18280/ijcmem.120305
6	Mehta, L.R., Borse, M.S., Tepan, M., Shah, J.	Identifying Suitable Deep Learning Approaches for Dental Caries Detection Using Smartphone Imaging	deep learning, dental caries, ResNet50V2, ResNet101V2, ResNet152, DenseNet169, DenseNet201, dental imaging	12, 3, 251-267	https://doi.org/10.18280/ijcmem.120306	Mehta, L.R., Borse, M.S., Tepan, M., Shah, J. (2024). Identifying suitable deep learning approaches for dental caries detection using smartphone imaging. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 251-267. https://doi.org/10.18280/ijcmem.120306
7	Abdoune, L., Fezari, M., Dib, A.	Indoor Sound Classification with Support Vector Machines: State of the Art and Experimentation	sound recognition, sound classification, support vector machines, indoor sounds, Mel frequency cepstral coefficients, abnormal sounds, surveillance system	12, 3, 269-279	https://doi.org/10.18280/ijcmem.120307	Abdoune, L., Fezari, M., Dib, A. (2024). Indoor sound classification with support vector machines: State of the art and experimentation. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 269-279. https://doi.org/10.18280/ijcmem.120307
8	Alwan, E.H., Al-Qurabat, A.K.M.	Optimizing Program Efficiency by Predicting Loop Unroll Factors Using Ensemble Learning	loop unroll, compiler optimization, ensemble learning, Random Forest, Bagging, XGBoost	12, 3, 281-287	https://doi.org/10.18280/ijcmem.120308	Alwan, E.H., Al-Qurabat, A.K.M. (2024). Optimizing program efficiency by predicting loop unroll factors using ensemble learning. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 281-287. https://doi.org/10.18280/ijcmem.120308
9	Kadali, D.K., Mohan, R.N.V.J., Naik, M.C., Bokka, Y.	Crime Data Analysis Using Naive Bayes Classification and Least Square Estimation with MapReduce	digital criminology, big data, least square estimation, MapReduce, Naive Bayes	12, 3, 289-295	https://doi.org/10.18280/ijcmem.120309	Kadali, D.K., Mohan, R.N.V.J., Naik, M.C., Bokka, Y. (2024). Crime data analysis using Naive Bayes classification and least square estimation with MapReduce. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 289-295. https://doi.org/10.18280/ijcmem.120309
10	Mansour, M.M., Erabee, I.K., Lafta, A.M.	Comprehensive Analysis of Water Based Emulsion Drilling Fluids in GHARRAF Oil Field in Southern Iraq: Properties, Specifications, and Practical Applications	mud and drill, water based muds, salinity, thermally	12, 3, 297-307	https://doi.org/10.18280/ijcmem.120310	Mansour, M.M., Erabee, I.K., Lafta, A.M. (2024). Comprehensive analysis of water based emulsion drilling fluids in GHARRAF oil field in southern Iraq: Properties, specifications, and practical applications. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 297-307. https://doi.org/10.18280/ijcmem.120310
11	Altemmey, M.A., Muhieldeen, M.W., Yu, L.J., Hassan, C.S., Jaber, H.A.	Characterization of the Mechanical and Morphological Properties of Hybrid Composites from Date Palm Fiber/Glass Wool Reinforced by Unsaturated Polyester	date palm fiber, fesem test, hybrid composites, glass wool, mechanical test, unsaturated polyester	12, 3, 309-321	https://doi.org/10.18280/ijcmem.120311	Altemmey, M.A., Muhieldeen, M.W., Yu, L.J., Hassan, C.S., Jaber, H.A. (2024). Characterization of the mechanical and morphological properties of hybrid composites from date palm fiber/glass wool reinforced by unsaturated polyester. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 309-321. https://doi.org/10.18280/ijcmem.120311
12	Oluwadare, J.R., Adesina, O.S., Adedotun, A.F., Odetunmibi, O.A.	Estimation Techniques for Generalized Linear Mixed Models with Binary Outcomes: Application in Medicine	generalized, penalized, mixed, adaptive, likelihood, binary, response	12, 3, 323-331	https://doi.org/10.18280/ijcmem.120312	Oluwadare, J.R., Adesina, O.S., Adedotun, A.F., Odetunmibi, O.A. (2024). Estimation techniques for generalized linear mixed models with binary outcomes: Application in medicine. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 3, pp. 323-331. https://doi.org/10.18280/ijcmem.120312
13	Ali, N.S., Alsafo, A.F., Ali, H.D., Taha, M.S.	An Effective Face Detection and Recognition Model Based on Improved YOLO v3 and VGG 16 Networks	face detection, face recognition, VGG 16, YOLO v3, deep learning	12, 2, 107-119	https://doi.org/10.18280/ijcmem.120201	Ali, N.S., Alsafo, A.F., Ali, H.D., Taha, M.S. (2024). An effective face detection and recognition model based on improved YOLO v3 and VGG 16 networks. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 107-119. https://doi.org/10.18280/ijcmem.120201
14	Khan, I.U., Ullah, M., Tripathi, S., Sahu, M., Zeb, A., Faiza, Kumar, A.	Machine Learning for Markov Modeling of COVID-19 Dynamics Concerning Air Quality Index, PM-2.5, NO2, PM-10, and O3	novel corona virus, AQI, PM-2.5, NO2, PM-10, O3, eigen space decomposition, COVID-19	12, 2, 121-134	https://doi.org/10.18280/ijcmem.120202	Khan, I.U., Ullah, M., Tripathi, S., Sahu, M., Zeb, A., Faiza, Kumar, A. (2024). Machine learning for Markov modeling of COVID-19 dynamics concerning air quality index, PM-2.5, NO2, PM-10, and O3. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 121-134. https://doi.org/10.18280/ijcmem.120202
15	Aklah, Z., Al-Safi, A., Hassan, H.T.	Exploring FPGA Implementation and Emulation of Memristor Devices	memristor, FPGA, emulation, modelling, neuromorphic computing	12, 2, 135-146	https://doi.org/10.18280/ijcmem.120203	Aklah, Z., Al-Safi, A., Hassan, H.T. (2024). Exploring FPGA implementation and emulation of memristor devices. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 135-146. https://doi.org/10.18280/ijcmem.120203
16	Ismael, M.N., Yahya, F.H.	Enhanced Concentration Control in Electrochemical Reactors Using Fuzzy Logic with Conventional PID and PI Controllers	fuzzy logic (FL), PID control, chemical concentration, fuzzy model, ECR	12, 2, 147-153	https://doi.org/10.18280/ijcmem.120204	Ismael, M.N., Yahya, F.H. (2024). Enhanced concentration control in electrochemical reactors using fuzzy logic with conventional PID and PI controllers. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 147-153. https://doi.org/10.18280/ijcmem.120204
17	Prachayagringkai, S., Thungsuk, N., Savangboon, T., Chaithanakulwat, A.	Innovation IoT Solutions for Economic Animal Propagation Using Raspberry Pi Boards	innovative, internet of things, economic, animal, Raspberry Pi boards, prototype, intelligent system, wireless	12, 2, 155-163	https://doi.org/10.18280/ijcmem.120205	Prachayagringkai, S., Thungsuk, N., Savangboon, T., Chaithanakulwat, A. (2024). Innovation IoT solutions for economic animal propagation using Raspberry Pi boards. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 155-163. https://doi.org/10.18280/ijcmem.120205
18	Salman, H.S., Mansour, M.M., Lafta, A.M., Shkarah, A.J.	Modification Design and Process of Pipeline to Reduce Erosion Rate and Deposited	crude oil, particle-laden flow, CFD, erosion, solid rotator fin, elbow	12, 2, 165-173	https://doi.org/10.18280/ijcmem.120206	Salman, H.S., Mansour, M.M., Lafta, A.M., Shkarah, A.J. (2024). Modification design and process of pipeline to reduce erosion rate and deposited. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 165-173. https://doi.org/10.18280/ijcmem.120206

19	Shalal, O.D., Mitras, B.A.	Hybridize the Dwarf Mongoose Optimization (DMO) Algorithm to Obtain the Optimal Solution for Solve Optimization Problems	meta-heuristic algorithm, conjugate gradient algorithm, dwarf mongoose optimization (DMO) algorithm, sand cat swarm optimization (SCSO) algorith,, hybrid algorithms	12, 2, 175-184	https://doi.org/10.18280/ijcmem.120207	Shalal, O.D., Mitras, B.A. (2024). Hybridize the dwarf mongoose optimization (DMO) algorithm to obtain the optimal solution for solve optimization problems. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 175-184. https://doi.org/10.18280/ijcmem.120207
20	Hasan, F.M., Hussein, T.F., Saleem, H.D., Qasim, O.S.	Enhanced Unsupervised Feature Selection Method Using Crow Search Algorithm and Calinski-Harabasz	crow search algorithm, Calinski-Harabasz index, K-mean clustering, feature selection, data mining	12, 2, 185-190	https://doi.org/10.18280/ijcmem.120208	Hasan, F.M., Hussein, T.F., Saleem, H.D., Qasim, O.S. (2024). Enhanced unsupervised feature selection method using crow search algorithm and Calinski-Harabasz. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 2, pp. 185-190. https://doi.org/10.18280/ijcmem.120208
21	Bahri, S., Awalushaumi, L., Robbaniyyah, N.A.	Fuzzy Wavelet Dynamic Neural Network Model for Modeling the Number of Tourist Visits to West Nusatenggara Province	dynamic neural network, model, tourism, wavelet, fuzzy inference	12, 1, 1-8	https://doi.org/10.18280/ijcmem.120101	Bahri, S., Awalushaumi, L., Robbaniyyah, N.A. (2024). Fuzzy wavelet dynamic neural network model for modeling the number of tourist visits to West Nusatenggara Province. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 1-8. https://doi.org/10.18280/ijcmem.120101
22	Wibowo, S., Arifin, Z., Rachmanto, R.A., Himawanto, D.A., Prasetyo, S.D.	Optimization of Photovoltaic Performance Using a Water Spray Cooling System with Different Nozzle Types	photovoltaic panel, water spray cooling, nozzle, efficiency	12, 1, 9-19	https://doi.org/10.18280/ijcmem.120102	Wibowo, S., Arifin, Z., Rachmanto, R.A., Himawanto, D.A., Prasetyo, S.D. (2024). Optimization of photovoltaic performance using a water spray cooling system with different nozzle types. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 9-19. https://doi.org/10.18280/ijcmem.120102
23	Lakraimi, R., Abouchadi, H., Janan, M.T.	Modeling the Physics of Selective Laser Sintering Using the Discrete Element Method	selective laser sintering, discrete element method, polyamide 12, thermal modeling, additive manufacturing processes	12, 1, 21-33	https://doi.org/10.18280/ijcmem.120103	Lakraimi, R., Abouchadi, H., Janan, M.T. (2024). Modeling the physics of selective laser sintering using the discrete element method. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 21-33. https://doi.org/10.18280/ijcmem.120103
24	P., T.P., B., B.	A Hybrid ViT-CNN Model Premeditated for Rice Leaf Disease Identification	vision transformers, convolutional neural network, rice leaf diseases, attention mechanism, multi-layer perceptron (MLP)	12, 1, 35-43	https://doi.org/10.18280/ijcmem.120104	P., T.P., B., B. (2024). A hybrid ViT-CNN model premeditated for rice leaf disease identification. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 35-43. https://doi.org/10.18280/ijcmem.120104
25	Ramdani, H., Aoulmi, Z., Louafi, M., Attia, M., Mebarkia, M.	Enhancing Sustainability Through Drilling Machine Efficiency: A Comparative Analysis of TOPSIS and VIKOR Methods for Energy Optimization	specific energy, drilling machine, MCDM, TOPSIS, VIKOR, optimization	12, 1, 45-52	https://doi.org/10.18280/ijcmem.120105	Ramdani, H., Aoulmi, Z., Louafi, M., Attia, M., Mebarkia, M. (2024). Enhancing sustainability through drilling machine efficiency: A comparative analysis of TOPSIS and VIKOR methods for energy optimization. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 45-52. https://doi.org/10.18280/ijcmem.120105
26	Handoko, B.L., Indrawati, D.S., Zulkarnaen, S.R.P.	Embracing AI in Auditing: An Examination of Auditor Readiness Through the TRAM Framework	machine learning, auditing, anomalies, technology acceptance model, technology readiness index	12, 1, 53-60	https://doi.org/10.18280/ijcmem.120106	Handoko, B.L., Indrawati, D.S., Zulkarnaen, S.R.P. (2024). Embracing AI in auditing: An examination of auditor readiness through the tram framework. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 53-60. https://doi.org/10.18280/ijcmem.120106
27	Hemalatha, S., Vijayakumar, S., Gurunathan, A., Masilamani, A., Prasad, G.D., Balasubramaniyan, K., D, C.D., Maguluri, L.P.	Enhancing MANET Security: A Watch Dog Routing Algorithm Approach for Intruder and Black Hole Attack Detection	MANET, attackers, intruder, black hole attackers, Watch Dog technique, forward time	12, 1, 61-67	https://doi.org/10.18280/ijcmem.120107	Hemalatha, S., Vijayakumar, S., Gurunathan, A., Masilamani, A., Prasad, G.D., Balasubramaniyan, K., D, C.D., Maguluri, L.P. (2024). Enhancing MANET security: A watch dog routing algorithm approach for intruder and black hole attack detection. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 61-67. https://doi.org/10.18280/ijcmem.120107
28	Deshmukh, M., Bhairnallykar, S., Bukkawar, S., Sharma, R., Kale, S.	Machine Learning Approach Combined with Statistical Features in the Classification of Peripheral Pulse Morphology	machine learning, peripheral pulse analyzer, autonomic nervous system, support vector machine, peripheral blood flow	12, 1, 69-75	https://doi.org/10.18280/ijcmem.120108	Deshmukh, M., Bhairnallykar, S., Bukkawar, S., Sharma, R., Kale, S. (2024). Machine learning approach combined with statistical features in the classification of peripheral pulse morphology. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 69-75. https://doi.org/10.18280/ijcmem.120108
29	Juma'a, A.M.	Numerical Solution for Both Steady and Unsteady State of Fluid Flow Between Two Heated Parallel Walls	free convection, heat transfer, numerical solution, porous substance, steady flow unsteady flow	12, 1, 77-82	https://doi.org/10.18280/ijcmem.120109	Juma'a, A.M. (2024). Numerical solution for both steady and unsteady state of fluid flow between two heated parallel walls. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 77-82. https://doi.org/10.18280/ijcmem.120109
30	Bommagani, N.J., Challageri, M.B., Naik, N.V., Jalla, H.R., Rahman, S.Z., Jayadharmarajan, A.R.	Detection of Breast Cancer in Mammogram Images Using Multi Attention Feature Extraction with Hybrid RSA Based AlexNet	breast cancer, AlexNet, Spider Monkey Optimization, multi attention fusion network, hybrid optimization	12, 1, 83-95	https://doi.org/10.18280/ijcmem.120110	Bommagani, N.J., Challageri, M.B., Naik, N.V., Jalla, H.R., Rahman, S.Z., Jayadharmarajan, A.R. (2024). Detection of breast cancer in mammogram images using multi attention feature extraction with hybrid RSA based AlexNet. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 83-95. https://doi.org/10.18280/ijcmem.120110
31	Kamble, R., Rajarajeswari, P.	Revealing Hidden Patterns: A Deep Learning Approach to Camouflage Detection	CNNs, LSTM, ANNs, pipeline, camouflage	12, 1, 97-105	https://doi.org/10.18280/ijcmem.120111	Kamble, R., Rajarajeswari, P. (2024). Revealing hidden patterns: A deep learning approach to camouflage detection. International Journal of Computational Methods and Experimental Measurements, Vol. 12, No. 1, pp. 97-105. https://doi.org/10.18280/ijcmem.120111
32	Seddik, S., Routaib, H., Elhaddadi, A.	Minimizing Chaos in Echo State Networks: A Hybrid Approach Using the Lorenz System	neural network, deep learning, Lorenz system, echo state network, reservoir computing, prediction	11, 4, 193-203	https://doi.org/10.18280/ijcmem.110401	Seddik, S., Routaib, H., Elhaddadi, A. (2023). Minimizing chaos in echo state networks: A hybrid approach using the Lorenz system. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 193-203. https://doi.org/10.18280/ijcmem.110401
33	Ali, H.M., Najem, M.K., Karash, E.T., Sultan, J.N.	Stress Distribution in Cantilever Beams with Different Hole Shapes: A Numerical Analysis	strain, finite element method, displacement, cantilever beam, stress, deflection	11, 4, 205-219	https://doi.org/10.18280/ijcmem.110402	Ali, H.M., Najem, M.K., Karash, E.T., Sultan, J.N. (2023). Stress distribution in cantilever beams with different hole shapes: A numerical analysis. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 205-219. https://doi.org/10.18280/ijcmem.110402
34	Agarwal, R., Choudhury, T., Ahuja, N.J., Sarkar, T.	IndianFoodNet: Detecting Indian Food Items Using Deep Learning	computer vision, YOLO5, YOLO7, YOLO8	11, 4, 221-232	https://doi.org/10.18280/ijcmem.110403	Agarwal, R., Choudhury, T., Ahuja, N.J., Sarkar, T. (2023). IndianFoodNet: Detecting Indian food items using deep learning. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 221-232. https://doi.org/10.18280/ijcmem.110403
35	Khlaf, A.M., Ehyaei, M.A., Abdul Wahhab, H.A.	CFD Simulation of Premixed Flame in Counter Burner under the Influence of a Magnetic Field	magnetic field, electromagnetic induction technique, laminar premixed flame, counter burner	11, 4, 233-238	https://doi.org/10.18280/ijcmem.110404	Khlaf, A.M., Ehyaei, M.A., Abdul Wahhab, H.A. (2023). CFD simulation of premixed flame in counter burner under the influence of a magnetic field. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 233-238. https://doi.org/10.18280/ijcmem.110404
36	Mahdi, L.A., Ali, H.M., AL-naame, M.K., Oodaaabd, A., Alani, W.K., Omran, S.H., Abdul Wahhab, H.A.	Chest Freezer Performance with Non-Condensable Gases	non-condensable gases, chest freezer, power consumption, vapor compression refrigeration system	11, 4, 239-243	https://doi.org/10.18280/ijcmem.110405	Mahdi, L.A., Ali, H.M., AL-naame, M.K., Oodaaabd, A., Alani, W.K., Omran, S.H., Abdul Wahhab, H.A. (2023). Chest freezer performance with non-condensable gases. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 239-243. https://doi.org/10.18280/ijcmem.110405

37	Obaid, L.T., Abdul Wahhab, H.A., Chaichan, M.T., Fayad, M.A., Al-Sumaily, G.F.	Influence of Burner Diameter on Premixed Flame Shape and Quenching	quenching flame, premixed counter flame, quenching diameter, burning velocity, counter burner	11, 4, 245-250	https://doi.org/10.18280/ijcmem.110406	Obaid, L.T., Abdul Wahhab, H.A., Chaichan, M.T., Fayad, M.A., Al-Sumaily, G.F. (2023). Influence of burner diameter on premixed flame shape and quenching. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 245-250. https://doi.org/10.18280/ijcmem.110406
38	Nihaal, K.M., Mahabaleshwar, U.S., Joo, S.W., Lorenzini, G. (2023).	Combined Impact of Joule Heating, Activation Energy, and Viscous Dissipation on Ternary Nanofluid Flow over Three Different Geometries	ternary nanofluid, MHD, Joule heating, viscous heating, activation energy	11, 4, 251-258	https://doi.org/10.18280/ijcmem.110407	Nihaal, K.M., Mahabaleshwar, U.S., Joo, S.W., Lorenzini, G. (2023). Combined impact of joule heating, activation energy, and viscous dissipation on ternary nanofluid flow over three different geometries. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 4, pp. 251-258. https://doi.org/10.18280/ijcmem.110407
39	Lega, M., Medio, G., Endreny, T., Casazza, M., Esposito, G., Costantino, V., Teta, R.	Cyanobacterial Biomonitoring in Lake Avernus During the COVID-19 Pandemic: Integrating Remote Sensing and Field Data for Pollution Source Detection	multilayer analysis, hierarchical monitoring, biomonitoring, remote sensing, cyanobacteria, bioindicators, COVID-19 pandemic	11, 3, 135-141	https://doi.org/10.18280/ijcmem.110301	Lega, M., Medio, G., Endreny, T., Casazza, M., Esposito, G., Costantino, V., Teta, R. (2023). Cyanobacterial biomonitoring in Lake Avernus during the COVID-19 pandemic: Integrating remote sensing and field data for pollution source detection. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 135-141. https://doi.org/10.18280/ijcmem.110301
40	Ali, S.A., Hromadka, T.V.	Comparison of Current Complex Variable Boundary Element Method (CVBEM) Capabilities in Basis Functions, Node Positioning Algorithms (NPAs), and Coefficient Determination Methods	complex variable boundary element method, harmonic function, numerical solutions, least squares, computational fluid dynamics	11, 3, 143-148	https://doi.org/10.18280/ijcmem.110302	Ali, S.A., Hromadka, T.V. (2023). Comparison of current complex variable boundary element method (CVBEM) capabilities in basis functions, node positioning algorithms (NPAs), and coefficient determination methods. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 143-148. https://doi.org/10.18280/ijcmem.110302
41	Abbass, O.A.E., Elhassan, A.M., Abdelgadir, A.E.	Detection of Heavy Metals Concentrations in Agriculture Plants Near Landfills: Case Study in Wadafiea, Sudan	heavy metals, landfill, pollution, environment, concentration, Sudan	11, 3, 149-155	https://doi.org/10.18280/ijcmem.110303	Abbass, O.A.E., Elhassan, A.M., Abdelgadir, A.E. (2023). Detection of heavy metals concentrations in agriculture plants near landfills: Case study in Wadafiea, Sudan. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 149-155. https://doi.org/10.18280/ijcmem.110303
42	Alam, M.A., Ya, H.H., Qistina, N.A., Azeem, M., Mustapha, M., Yusuf, M., Masood, F., Khan, R., Ahmad, T.	Investigating the Microhardness Behavior of Al6061/TiC Surface Composites Produced by Friction Stir Processing	aluminum alloys, friction stir processing, microhardness behavior, microstructures, TiC, surface composites	11, 3, 157-161	https://doi.org/10.18280/ijcmem.110304	Alam, M.A., Ya, H.H., Qistina, N.A., Azeem, M., Mustapha, M., Yusuf, M., Masood, F., Khan, R., Ahmad, T. (2023). Investigating the microhardness behavior of Al6061/TiC surface composites produced by friction stir processing. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 157-161. https://doi.org/10.18280/ijcmem.110304
43	Mahdi, L.A., AL-Naamee, M.K.J., Salam, A.Q., Omran, S.H., AL-Salihi, H.A., Abood, M.K., Abdul Wahhab, H.A.	Theoretical Entropy Generation Analysis for Forced Convection Flow Around a Horizontal Cylinder	entropy generation analysis, external flow, horizontal cylinder, force convection	11, 3, 163-168	https://doi.org/10.18280/ijcmem.110305	Mahdi, L.A., AL-Naamee, M.K.J., Salam, A.Q., Omran, S.H., AL-Salihi, H.A., Abood, M.K., Abdul Wahhab, H.A. (2023). Theoretical entropy generation analysis for forced convection flow around a horizontal cylinder. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 163-168. https://doi.org/10.18280/ijcmem.110305
44	Salameh, M., Touqan, B.	Comparative Analysis of Thermal Conditions and Comfort Between Modern and Traditional Districts in Hot-Arid Climate: Case Study in Ajman-UAE	vernacular architecture, predicted mean vote PMV, United Arab Emirates (UAE), ENVI-met software, thermal conditions	11, 3, 169-180	https://doi.org/10.18280/ijcmem.110306	Salameh, M., Touqan, B. (2023). Comparative analysis of thermal conditions and comfort between modern and traditional districts in Hot-Arid Climate: Case study in Ajman-UAE. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 169-180. https://doi.org/10.18280/ijcmem.110306
45	Shallal, B.A., Gedik, E., Abdul Wahhab, H.A., Mahdi, L.A.A.A., Chaichan, M.T.	Enhancement of PV/T Solar Collector Efficiency Using Alumina Nanoparticles Additives	photovoltaic cells, PV/T system, alumina nanoparticles, collector efficiency, nano technology	11, 3, 181-186	https://doi.org/10.18280/ijcmem.110307	Shallal, B.A., Gedik, E., Abdul Wahhab, H.A., Mahdi, L.A.A.A., Chaichan, M.T. (2023). Enhancement of PV/T solar collector efficiency using alumina nanoparticles additives. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 181-186. https://doi.org/10.18280/ijcmem.110307
46	Fadhil, A., Al-Bayati, A.D.J., Abdul Wahhab, H.A.	Impact of Iron Oxide Nanoparticles Additives in Water Hyacinth/Diesel Biofuel Mixture on CI Engine Performance and Emissions	biofuel, fuel technology, iron oxide nanoparticles, emissions, engine performance	11, 3, 187-192	https://doi.org/10.18280/ijcmem.110308	Fadhil, A., Al-Bayati, A.D.J., Abdul Wahhab, H.A. (2023). Impact of iron oxide nanoparticles additives in water hyacinth/diesel biofuel mixture on CI engine performance and emissions. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 3, pp. 187-192. https://doi.org/10.18280/ijcmem.110308
47	Mastrone, M.N., Concli, F.	Implementation of a Numerical Model for the Prediction of Aeration in Mechanical Systems	CFD, aeration, multiphase simulation, OpenFOAM	11, 2, 65-71	https://doi.org/10.18280/ijcmem.110201	Mastrone, M.N., Concli, F. (2023). Implementation of a numerical model for the prediction of aeration in mechanical systems. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 65-71. https://doi.org/10.18280/ijcmem.110201
48	Concli, F., Fraccaroli, L.	Investigation of the Fatigue Strength Behaviour of a Fine 2 mm Module Gear	gears, STBF, 39NiCrMo3, fatigue	11, 2, 73-78	https://doi.org/10.18280/ijcmem.110202	Concli, F., Fraccaroli, L. (2023). Investigation of the fatigue strength behaviour of a fine 2 mm module gear. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 73-78. https://doi.org/10.18280/ijcmem.110202
49	Kadam, S.T., Hassan, I., Wang, L.L., Rahman, M.A.	A Review on Prediction Uncertainty in Exterior Heat Transfer Coefficient-Based Building Thermal Load: A Case of Microclimate	convective thermal load, heat transfer coefficient, correlations, BES, microclimate, leeward, windward, roof	11, 2, 79-95	https://doi.org/10.18280/ijcmem.110203	Kadam, S.T., Hassan, I., Wang, L.L., Rahman, M.A. (2023). Investigation of the fatigue strength behaviour of a fine 2 mm module gear. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 79-95. https://doi.org/10.18280/ijcmem.110203
50	Dang, S.T., Nguyen, H.A., Nguyen, H.D., Kieu, T.T.M.	The Mathematical Framework for Simulating an Air-To-Air Missile Operation on Fighter Aircraft	weapon operation simulation, modelling and simulation, avionics system, air-to-air missiles	11, 2, 97-104	https://doi.org/10.18280/ijcmem.110204	Dang, S.T., Nguyen, H.A., Nguyen, H.D., Kieu, T.T.M. (2023). The mathematical framework for simulating an air-to-air missile operation on fighter aircraft. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 97-104. https://doi.org/10.18280/ijcmem.110204
51	Muñoz-La Rivera, F., Mora-Serrano, J., Oñate, E.	Virtual Reality for the Creation of Stories and Scenarios for Construction Safety: Social Distancing in the COVID-19 Pandemic Context	virtual reality, BIM, construction site, safety in construction, storytelling, job safety analysis technicians (JSAt), COVID-19	11, 2, 105-114	https://doi.org/10.18280/ijcmem.110205	Muñoz-La Rivera, F., Mora-Serrano, J., Oñate, E. (2023). Virtual reality for the creation of stories and scenarios for construction safety: Social distancing in the COVID-19 pandemic context. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 105-114. https://doi.org/10.18280/ijcmem.110205
52	Navarro, I.J., Martí, J.V., Yepes, V.	Dematel-Based Completion Technique Applied for the Sustainability Assessment of Bridges Near Shore	sustainable design, bridges, life cycle assessment, DEMATEL, TOPSIS, VIKOR, COPRAS, multi-criteria decision-making	11, 2, 115-122	https://doi.org/10.18280/ijcmem.110206	Navarro, I.J., Martí, J.V., Yepes, V. (2023). Dematel-based completion technique applied for the sustainability assessment of bridges near shore. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 115-122. https://doi.org/10.18280/ijcmem.110206
53	Singh, K., Singh, Y., Barak, D., Yadav, M., Özen, E.	Parametric Evaluation Techniques for Reliability of Internet of Things (IoT)	IoT reference model, reliability, data acquisition module, ISABELA, RTT	11, 2, 123-134	https://doi.org/10.18280/ijcmem.110207	Singh, K., Singh, Y., Barak, D., Yadav, M., Özen, E. (2023). Parametric evaluation techniques for reliability of Internet of Things (IoT). International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 2, pp. 123-134. https://doi.org/10.18280/ijcmem.110207
54	Concli, F., Molinaro, M.	Design for Additive Manufacturing: Cost Evaluations	additive manufacturing, cost comparisons, cost evaluations, traditional manufacturing, process-oriented cost model	11, 1, 1-8	https://doi.org/10.18280/ijcmem.110101	Concli, F., Molinaro, M. (2023). Design for additive manufacturing: cost evaluations. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 1-8. https://doi.org/10.18280/ijcmem.110101

55	Matsuura, K., Mukai, K., Langthjem, M.A.	Computational and Experimental Study on the Mechanism of Ring Tone	aeroacoustics, direct sound computation, hole tone, ring tone, wind tunnel	11, 1, 9-16	https://doi.org/10.18280/ijcmem.110102	Matsuura, K., Mukai, K., Langthjem, M.A. (2023). Computational and experimental study on the mechanism of ring tone. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 9-16. https://doi.org/10.18280/ijcmem.110102
56	Faura-Pujol, A., Faundez-Zanuy, M., Moral-Viñals, A., López-Xarbau, J.	Eye-Tracking Calibration to Control a Cobot	accuracy, collaborative robot, eye-tracker, gaze, precision	11, 1, 17-25	https://doi.org/10.18280/ijcmem.110103	Faura-Pujol, A., Faundez-Zanuy, M., Moral-Viñals, A., López-Xarbau, J. (2023). Eye-tracking calibration to control a cobot. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 17-25. https://doi.org/10.18280/ijcmem.110103
57	Antonucci, A., Coltrinari, G., Lippiello, D.	Effectiveness of Antivibration Gloves When Used with a Light Electric Hammer. Differences Among Different Methods of Measurements	antivibration gloves, electric hammer, handheld adaptors, hand-arm vibration, vibration transmissibility	11, 1, 27-34	https://doi.org/10.18280/ijcmem.110104	Antonucci, A., Coltrinari, G., Lippiello, D. (2023). Effectiveness of antivibration gloves when used with a light electric hammer. Differences among different methods of measurements. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 27-34. https://doi.org/10.18280/ijcmem.110104
58	Al-Kayiem, H.H., Mohammed, M.N., Kelly, K., Riyadi, T.W.B., Effendy, M.	Experimental Assessment and Development of Thermal Comfort Model for Implication in Tropical Climate	actual mean vote, adaptive predicted mean vote, predicted mean vote, thermal comfort in a tropical climate, thermal sensation	11, 1, 35-43	https://doi.org/10.18280/ijcmem.110105	Al-Kayiem, H.H., Mohammed, M.N., Kelly, K., Riyadi, T.W.B., Effendy, M. (2023). Experimental assessment and development of thermal comfort model for implication in tropical climate. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 35-43. https://doi.org/10.18280/ijcmem.110105
59	Garzia, F.	New Security Risk Assessment and Genetic Algorithms Based Methods to Optimize Risk Reduction Countermeasures for Cultural Heritage Sites	cultural heritage sites, genetic algorithms optimization, risk assessment, risk analysis, risk reductions, safety, security, security countermeasures	11, 1, 45-54	https://doi.org/10.18280/ijcmem.110106	Garzia, F. (2023). New security risk assessment and genetic algorithms based methods to optimize risk reduction countermeasures for cultural heritage sites. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 45-54. https://doi.org/10.18280/ijcmem.110106
60	Fernández, A., Muñoz-La Rivera, F., Mora-Serrano, J.	Virtual Reality Training for Occupational Risk Prevention: Application Case in Geotechnical Drilling Works	BIM, construction safety, construction safety training, geotechnical drilling, occupational safety, virtual reality experiences	11, 1, 55-63	https://doi.org/10.18280/ijcmem.110107	Fernández, A., Muñoz-La Rivera, F., Mora-Serrano, J. (2023). Virtual reality training for occupational risk prevention: Application case in geotechnical drilling works. International Journal of Computational Methods and Experimental Measurements, Vol. 11, No. 1, pp. 55-63. https://doi.org/10.18280/ijcmem.110107