No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
1	Wang, N. N.; Jian, M. & Fang, X.	Simulation-Based Robustness Evaluation of Coordination under Stochastic Demand	Transshipment, Buyback, Monte Carlo Simulation, Robustness Analysis	24, 4, 730-741	10.2507/IJSIMM24-4-CO20	Wang N. N., Jian M., Fang X. (2025). Simulation-Based Robustness Evaluation of Coordination under Stochastic Demand. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 730-741
2	Zhang, X. R. & Zhou, J. N.	Simulation of AIGC-Enhanced Congestion Management in Factory Autonomous Driving	Factory Autonomous Driving, AGVs, Traffic Congestion Prediction and Intervention, AIGC, MPC, Simulation Modelling	24, 4, 718-729	10.2507/IJSIMM24-4-CO19	Zhang X. R., Zhou J. N. (2025). Simulation of AIGC-Enhanced Congestion Management in Factory Autonomous Driving. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 718-729
3	Wang, J.; Zhang, J. R. & Liu, X. L.	CFD Simulation of Wind-Rain Effects on Ultra-High-Speed Train Aerodynamics and Safety	High-Speed Train, Wind-Rain Environment, Aerodynamic Parameters, Finite Element Simulation, Safety Threshold	24, 4, 706-717	10.2507/IJSIMM24-4-CO18	Wang J., Zhang J. R., Liu X. L. (2025). CFD Simulation of Wind-Rain Effects on Ultra-High-Speed Train Aerodynamics and Safety. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 706-717
4	Jia, Q. J.; Zhang, L. & Liu, Z. L.	Modelling and Simulation of Metro Fire Risk Propagation with Improved SIR Mechanisms	Metro Fire, Risk Propagation, Complex Network, SIR Model, Causal Chain	24, 4, 694-705	10.2507/IJSIMM24-4-CO17	Jia Q. J., Zhang L., Liu Z. L. (2025). Modelling and Simulation of Metro Fire Risk Propagation with Improved SIR Mechanisms. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 694-705
5	Abdalla, A.	CFD-Based Optimization of Box-Type Aftertreatment Systems	CFD Simulation, Aftertreatment System, Flow Uniformity, Emission Control, Box-Type Packaging	24, 4, 683-693	10.2507/IJSIMM24-4-CO16	Abdalla A. (2025). CFD-Based Optimization of Box-Type Aftertreatment Systems. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 683-693
6	Ozen, N. S.; Farsi, M.; Erkoyuncu, J. A.; Koyuncu, M. & Gray, J.	A Machine Learning-Enabled Digital Twin for an Orthopaedic Clinic: a Proof of Concept	Digital Twin, Machine Learning, Healthcare, Discrete Event Simulation, System Simulation	24, 4, 671-682	10.2507/IJSIMM24-4-747	Ozen N. S., Farsi M., Erkoyuncu J. A., Koyuncu M., Gray J. (2025). A Machine Learning-Enabled Digital Twin for an Orthopaedic Clinic: a Proof of Concept. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 671-682
7	Shih, Y. C.	Cost Performance of Fractal Physical Layouts Using Multifunctional Operators	Fractal Layout, Performance, Multifunctional Operators, Simulation	24, 4, 659-670	10.2507/IJSIMM24-4-746	Shih, Y. C. (2025). Cost Performance of Fractal Physical Layouts Using Multifunctional Operators. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 659-670
8	Fu, C. G.; Wang, Q. F.; He, W. W.; Lv, W. Q. & Wei, S. X.	Parameter Optimization of Rotary Blade for Soil Breakage Using Discrete Element Method	EDEM, Soil Breakage, Rotary Blade, Bending Angle, Blade Tip Thickness	24, 4, 647-658	10.2507/IJSIMM24-4-743	Fu C. G., Wang Q. F., He W. W., Lv W. Q., Wei S. X. (2025). Parameter Optimization of Rotary Blade for Soil Breakage Using Discrete Element Method. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 647-658
9	Si, Q. M.; Hao, Z. H.; Zhang, H.; Qian, J. D. & Guo, Y. Y.	Simulation of Propeller Airworthiness for Low-Altitude Aircraft	Low-Altitude Aircraft, Propeller Design, Aerodynamic Characteristic Analysis, Finite Element Analysis	24, 4, 635-646	10.2507/IJSIMM24-4-742	Si Q. M., Hao Z. H., Zhang H., Qian J. D., Guo Y. Y. (2025). Simulation of Propeller Airworthiness for Low-Altitude Aircraft. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 635-646
10	Xu, B. L.; Zhang, X. D.; Ye, S. X. & Guo, S. S.	Collapsed Particles Velocity Analysis in Drill Hole Based on CFD–DEM	Numerical Simulation, Spiral Casing, Water Flow Velocity, Rotational Speed, Axis Conveying Velocity	24, 4, 623-634	10.2507/IJSIMM24-4-741	Xu B. L., Zhang X. D., Ye S. X., Guo S. S. (2025). Collapsed Particles Velocity Analysis in Drill Hole Based on CFD–DEM. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 623-634
11	Yang, C.-L.; Meles, T. Y.; Loke, K. S.; Yilma, A. A. & Teshome, M. M.	Uncertainty Quantification and Remaining Useful Life Prediction Using Deep Learning	Remaining Useful Life (RUL), Predictive Maintenance, CNN-Transformer, Monte Carlo Dropout, Uncertainty Quantification	24, 4, 611-622	10.2507/IJSIMM24-4-740	Yang C.-L., Meles T. Y., Loke K. S., Yilma A. A., Teshome M. M. (2025). Uncertainty Quantification and Remaining Useful Life Prediction Using Deep Learning. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 611-622
12	Brezocnik, M. & Brezovnik, S.	A Bee Colony Optimisation Approach for Workpiece Positioning in Multiaxial Machining	Multiaxial Machining, Workpiece Positioning, Robotics, Optimisation, Machine Learning, Bee Colony Optimisation (BCO)	24, 4, 601-610	10.2507/IJSIMM24-4-739	Brezocnik M., Brezovnik S. (2025). A Bee Colony Optimisation Approach for Workpiece Positioning in Multiaxial Machining. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 601-610
13	Stevic, Z.; Ulutas, A.; Topal, A.; Marinkovic, D. & Cavoski, S.	A New Objective Method for Determining Criteria Weights in MCDM Models – LOGSTA	LOGSTA, MCDM, Criteria Weights, Objective Method	24, 4, 589-600	10.2507/IJSIMM24-4-738	Stevic Z., Ulutas A., Topal A., Marinkovic D., Cavoski S. (2025). A New Objective Method for Determining Criteria Weights in MCDM Models – LOGSTA. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 589-600
14	Tompa, J.; Buchmeister, B. & Vujica Herzog, N.	Inclusive Workplace Design Using Mocap Technology	Ergonomics, Employment, Workplace Design, Workers with Disabilities, Motion Capture Systems	24, 4, 577-588	10.2507/IJSIMM24-4-737	Tompa J., Buchmeister B., Vujica Herzog N. (2025). Inclusive Workplace Design Using Mocap Technology. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 577-588
15	Milosevic, A.; Simunovic, G.; Kanovic, Z.; Simunovic, K.; Kocovic, V. & Vukelic, D.	Modelling and Optimization of Surface Quality and Productivity in Turning Inconel 825 Alloy	Turning, Inconel 825, Surface Roughness, Material Removal Rate	24, 4, 565-576	10.2507/IJSIMM24-4-725	Milosevic A., Simunovic G., Kanovic Z., Simunovic K., Kocovic V., Vukelic D. (2025). Modelling and Optimization of Surface Quality and Productivity in Turning Inconel 825 Alloy. *Int. Journal of Simulation Modelling*, Vol. 24, No. 4, p. 565-576
16	Liu, Z. L.; Chen, X. Y.; Zhang, Z. & Cheng, W. D.	Numerical Implementation of Transitional Element-Based PD-FEM Coupling Model	Peridynamics, FEM, Transitional Element, Coupling Model, Numerical Realization	24, 3, 545-556	10.2507/IJSIMM24-3-CO15	Liu Z. L., Chen X. Y., Zhang Z., Cheng W. D. (2025). Numerical Implementation of Transitional Element-Based PD-FEM Coupling Model. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 545-556
17	Zhang, Y. X.	Simulation-Driven Explainable AI for Quality Prediction and Control	Full Manufacturing Process, Simulation-Driven, Explainable AI, Transformer Model, Reinforcement Learning, Quality Prediction and Control	24, 3, 533-544	10.2507/IJSIMM24-3-CO14	Zhang Y. X. (2025). Simulation-Driven Explainable AI for Quality Prediction and Control. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 533-544
18	Zhao, C. L.; Guo, L. H.; Liang, H. M.; Xi, L.; Tang, H. & Wu, D.	Research on Lightweighting of Key Components of Light Vehicle Drive Shafts	Automobile Drive Shaft, Lightweighting, ANSYS, Static Force Analysis	24, 3, 521-532	10.2507/IJSIMM24-3-CO13	Zhao C. L., Guo L. H., Liang H. M., Xi L., Tang H., Wu D. (2025). Research on Lightweighting of Key Components of Light Vehicle Drive Shafts. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 521-532
19	Feng, Y. T.; Peng, J. S.; Tang, Z. S.; Yang, X. & Huang, W.	CFD-Experimental Study on Thermoflow in Rice Huller Chamber	Numerical Simulation, Temperature Field, Flow Field, Experiment, Rubber-Roller Paddy Huller	24, 3, 509-520	10.2507/IJSIMM24-3-CO12	Feng Y. T., Peng J. S., Tang Z. S., Yang X., Huang W. (2025). CFD-Experimental Study on Thermoflow in Rice Huller Chamber. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 509-520

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20	Du, J. J.; Liu, B. R.; Yang, X. D.; Chen, Y. G. & Zhang, W.	Dynamic Analysis of Rotor and Machine Structure in Ultra-High-Speed PMSM	Simulation Modelling, Modal Analysis, Rotor Dynamics, Finite Element Method	24, 3, 497-508	10.2507/IJSIMM24-3-CO11	Du J. J., Liu B. R., Yang X. D., Chen Y. G., Zhang W. (2025). Dynamic Analysis of Rotor and Machine Structure in Ultra-High-Speed PMSM. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 497-508
21	Chen, Y. B.; Zhang, S.; Wang, S. R.; Cao, Y. X. & Lutynski, M.	Simulation Analysis of Creep Evolution Process in Soft-Hard Composite Coal Seams	Soft-Hard Composite Coal Seam, Tectonic Coal, Directional Hydraulic Punching, Creep, Numerical Simulation	24, 3, 485-496	10.2507/IJSIMM24-3-736	Chen Y. B., Zhang S., Wang S. R., Cao Y. X., Lutynski M. (2025). Simulation Analysis of Creep Evolution Process in Soft-Hard Composite Coal Seams. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 485-496
22	Saderova, J.; Fabianova, J.; Tobisova, A. & Senova, A.	The Use of Simulation in Optimization of Airport Baggage Sorting System	Optimization, Simulation, Airport, Automated Baggage Sorting, Modelling	24, 3, 473-484	10.2507/IJSIMM24-3-735	Saderova J., Fabianova J., Tobisova A., Senova A. (2025). The Use of Simulation in Optimization of Airport Baggage Sorting System. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 473-484
23	Wang, Y. S.; Guo, S. S.; Lu, Y. X. & Peng, L.	Simulation of Emergency Evacuation in Dense-Occupancy High-Rise Buildings	High-Rise Buildings, Emergency Evacuation, Pathfinder Simulation, Evacuation Strategy Comparison	24, 3, 461-472	10.2507/IJSIMM24-3-734	Wang Y. S., Guo S. S., Lu Y. X., Peng L. (2025). Simulation of Emergency Evacuation in Dense-Occupancy High-Rise Buildings. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 461-472
24	Xing, Y. Z.; Guo, X. Y.; Si, Q. M.; Zeng, Z. & Guo, Y. Y.	Emergency Decision Simulation for Urban Rail Transit during Rainstorm Floods	Urban Rail Transit, Rainstorm and Flood, Complex Network Analysis, Network Attack, Decision Simulation	24, 3, 449-460	10.2507/IJSIMM24-3-733	Xing Y. Z., Guo X. Y., Si Q. M., Zeng Z., Guo Y. Y. (2025). Emergency Decision Simulation for Urban Rail Transit during Rainstorm Floods. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 449-460
25	Saracoglu, I. & Ozen, F.	Simulation Optimisation of Ultrasonography Resource Scheduling with Machine Learning	Machine Learning, Discrete-Event Simulation, Resource Scheduling, Healthcare Systems, Health System Resources	24, 3, 437-448	10.2507/IJSIMM24-3-732	Saracoglu I., Ozen F. (2025). Simulation Optimisation of Ultrasonography Resource Scheduling with Machine Learning. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 437-448
26	Romano, A. L.; Santos, C. H.; Azzolini, W. & Caires, A.	ERP-Driven Simulation for Production Planning and Control in the Industry 4.0: a Review	Production Planning, ERP Systems, Simulation Modelling, Digital Transformation, Decision-Making	24, 3, 425-436	10.2507/IJSIMM24-3-731	Romano A. L., Santos C. H., Azzolini W., Caires A. (2025). ERP-Driven Simulation for Production Planning and Control in the Industry 4.0: a Review. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 425-436
27	Savran, E. & Karpat, F.	Simulation-Based Power Strategy Optimization in a Diesel Hybrid Vehicle	Electric Vehicle, Diesel Hybrid Vehicle, Simulink, Power Strategy, 1D Simulation	24, 3, 413-424	10.2507/IJSIMM24-3-727	Savran E., Karpat F. (2025). Simulation-Based Power Strategy Optimization in a Diesel Hybrid Vehicle. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 413-424
28	Gabriel, G. T.; Santos, C. H.; Amaral, J. V. S.; Montevechi, J. A. B. & Queiroz, J. A.	Three-Stage Optimization Approach Using Nonlinear Programming and Simulation	Operation Room Scheduling, Nonlinear Programming, Simulation-Based Optimization, Discrete Event Simulation	24, 3, 401-412	10.2507/IJSIMM24-3-724	Gabriel G. T., Santos C. H., Amaral J. V. S., Montevechi J. A. B., Queiroz J. A. (2025). Three-Stage Optimization Approach Using Nonlinear Programming and Simulation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 401-412
29	Kristiana, S. P. D.; Sudiarso, A. & Asih, A. M. S.	Evaluation of Purchasing Collaboration Using a Simulation Approach	Collaboration, Flexsim, Inventory Centralisation, Purchasing, Simulation	24, 3, 389-400	10.2507/IJSIMM24-3-720	Kristiana S. P. D., Sudiarso A., Asih A. M. S. (2025). Evaluation of Purchasing Collaboration Using a Simulation Approach. *Int. Journal of Simulation Modelling*, Vol. 24, No. 3, p. 389-400
30	Zhang, N. N. & Jin, H. M.	Real-Time Resource Optimization in Lean Production Using Deep Reinforcement Learning	Deep Reinforcement Learning, Interpretability, Lean Production, Resource Allocation, Markov Decision Process	24, 2, 369-380	10.2507/IJSIMM24-2-CO10	Zhang N. N., Jin H. M. (2025). Real-Time Resource Optimization in Lean Production Using Deep Reinforcement Learning. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 369-380
31	Chen, L.-C.; He, H.-W.; Zhang, X. & Hu, Z.-Q.	Control Optimization of Turbocharged Direct Injection Miller Cycle Hybrid Engine	Miller Cycle, Combustion Simulation, Thermal Efficiency, Intake Efficiency	24, 2, 357-368	10.2507/IJSIMM24-2-CO9	Chen L.-C., He H.-W., Zhang X., Hu Z.-Q. (2025). Control Optimization of Turbocharged Direct Injection Miller Cycle Hybrid Engine. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 357-368
32	Fan, S. W.; Li, W. L. & Sun, Y. G.	An Integrated Trajectory Optimization and Simulation for a Construction Robot	Trajectory Optimization Simulation, Pseudo-Distance Obstacle Avoidance, Crested Porcupine Optimizer, Construction Robot Modelling	24, 2, 345-356	10.2507/IJSIMM24-2-CO8	Fan S. W., Li W. L., Sun Y. G. (2025). An Integrated Trajectory Optimization and Simulation for a Construction Robot. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 345-356
33	Wu, D.; Zhao, C. L.; Huang, C. L. & Luo, X.	Micro-Texture Optimization for Titanium Cutting Tools via Simulation	Micro Texture Tool, Parameter Optimization, Cutting Force, Cutting Temperature	24, 2, 333-344	10.2507/IJSIMM24-2-CO7	Wu D., Zhao C. L., Huang C. L., Luo X. (2025). Micro-Texture Optimization for Titanium Cutting Tools via Simulation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 333-344
34	Liu, Z. L.; Chen, X. Y. & Cheng, W. D.	A Novel Transitional Element-Based Approach for PD-FEM Coupling: Theoretical Development	Peridynamics, FEM, Coupling Model, Compatibility, Transitional Element, Stiffness Matrix Correction	24, 2, 321-332	10.2507/IJSIMM24-2-CO6	Liu Z. L., Chen X. Y., Cheng W. D. (2025). A Novel Transitional Element-Based Approach for PD-FEM Coupling: Theoretical Development. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 321-332
35	Niu, L. Q.; Wang, Y. F.; Li, Z.; Miao, W. Y. & Li, X. R.	Thermal Simulation of UAV Li-Po Batteries under Abnormal Ageing Conditions	Abnormal Ageing, UAV Li-Po Batteries, Thermal Simulation	24, 2, 309-320	10.2507/IJSIMM24-2-730	Niu L. Q., Wang Y. F., Li Z., Miao W. Y., Li X. R. (2025). Thermal Simulation of UAV Li-Po Batteries under Abnormal Ageing Conditions. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 309-320
36	Dai, J. M.; Zhu, H. M.; Dai, Z. X.; Chen, M. & Du, L. B.	Simulation and Optimization for Oil and Gas Platform Placement in Mountainous Regions	Oil and Gas Platforms, Mountainous Regions, Optimal Location, Cost Function, Multiple Particle Swarm Optimization	24, 2, 297-308	10.2507/IJSIMM24-2-729	Dai J. M., Zhu H. M., Dai Z. X., Chen M., Du L. B. (2025). Simulation and Optimization for Oil and Gas Platform Placement in Mountainous Regions. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 297-308
37	Yu, J. X.; Meng, P. Z.; Liu, S. Y.; Wen, Z. J. & Wen, J. H.	Crack Growth Simulation in Hydraulic Fracturing and Water-Pressure Blasting Tests	Coal Seam, Hydraulic Fracturing, Water Pressure Blasting, Crack Propagation	24, 2, 285-296	10.2507/IJSIMM24-2-728	Yu J. X., Meng P. Z., Liu S. Y., Wen Z. J., Wen J. H. (2025). Crack Growth Simulation in Hydraulic Fracturing and Water-Pressure Blasting Tests. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 285-296
38	Zhang, H. K.; Zheng, Q. M.; Yang, S. & Ojstersek, R.	Bare-Bones Particle Swarm Optimization for Emergency Scheduling in Public Events	Emergency Rescue System, Rescue Effect, Bare-Bones Particle Swarm Optimization, Emergency Medical Resource Scheduling	24, 2, 273-284	10.2507/IJSIMM24-2-726	Zhang H. K., Zheng Q. M., Yang S., Ojstersek R. (2025). Bare-Bones Particle Swarm Optimization for Emergency Scheduling in Public Events. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 273-284

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39	Hamidy, S. M.; Sahin, C. & Isik, M.	Integrated Approach to Due Date Assignment, Job Sequencing and MAGV Dispatching Problems	Due Date Assignment, Job Sequencing, Multi-Load AGV (MAGV), Priority Rules	24, 2, 261-272	10.2507/IJSIMM24-2-723	Hamidy S. M., Sahin C., Isik M. (2025). Integrated Approach to Due Date Assignment, Job Sequencing and MAGV Dispatching Problems. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 261-272
40	Zengin, S.; Antmen, Z. F. & Koyuncu, M.	Simulation-Based Optimisation for Reducing Waiting Times in the Emergency Department	Emergency Department, Discrete Event Simulation (DES), Optimisation, Length of Stay, Constraint Theory	24, 2, 249-260	10.2507/IJSIMM24-2-722	Zengin S., Antmen Z. F., Koyuncu M. (2025). Simulation-Based Optimisation for Reducing Waiting Times in the Emergency Department. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 249-260
41	Othman, M.; Albar, F. & Bakhsh, A.	The Improvement of Rewinding Workshop Using Discrete Event Simulation	Compressor Rewinding, Discrete Event Simulation, DES, Operational Efficiency, Resource Optimization, Scenario Analysis	24, 2, 237-248	10.2507/IJSIMM24-2-721	Othman M., Albar F., Bakhsh A. (2025). The Improvement of Rewinding Workshop Using Discrete Event Simulation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 237-248
42	Celebi, S.; Yilmaz, O. F.; Ene Yalcin, S. & Ozturk, N.	A Simulation-Oriented Approach to the Design of Kanban Integrated Heijunka System	Lean Manufacturing, Heijunka, Kanban, Simulation Modelling	24, 2, 225-236	10.2507/IJSIMM24-2-717	Celebi S., Yilmaz O. F., Ene Yalcin S., Ozturk N. (2025). A Simulation-Oriented Approach to the Design of Kanban Integrated Heijunka System. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 225-236
43	Can, C.; Kilic, F. & Kaya, Y.	A Novel Approach for Location Planning of Fast-Charging Stations for E-Buses	Location Planning, E-Bus, Metaheuristic Algorithms, Fast Charging Station	24, 2, 213-224	10.2507/IJSIMM24-2-714	Can C., Kilic F., Kaya Y. (2025). A Novel Approach for Location Planning of Fast-Charging Stations for E-Buses. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 213-224
44	Kamis Kocabicak, Z.	Experimental Investigation of a Hydraulic Engine Mount by Taguchi Method	Hydraulic Engine Mount, Dynamic Stiffness, Taguchi, ANOVA, Regression Analysis	24, 2, 203-212	10.2507/IJSIMM24-2-710	Kamis Kocabicak Z. (2025). Experimental Investigation of a Hydraulic Engine Mount by Taguchi Method. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 203-212
45	Yemenici, O. & Oruc, E.	Aerodynamic and Structural Analysis of a Solar Panel	Wind Loads, Solar Panel, Turbulence Models, Computational Fluid Dynamics (CFD), Fluid-Structure Interaction (FSI)	24, 2, 191-202	10.2507/IJSIMM24-2-709	Yemenici O., Oruc E. (2025). Aerodynamic and Structural Analysis of a Solar Panel. *Int. Journal of Simulation Modelling*, Vol. 24, No. 2, p. 191-202
46	Ren, X.	Resilience of Technician Allocation in Multi-Agent Simulations	Technician Scheduling, Allocation Resilience, Multi-Agent Simulation, Scheduling Optimization, System Robustness, Multi-Objective Optimization	24, 1, 171-182	10.2507/IJSIMM24-1-CO5	Ren X. (2025). Resilience of Technician Allocation in Multi-Agent Simulations. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 171-182
47	Huang, X. & Zhang, L.	Ventilation Solutions Simulation for Urban Residential Areas	Urban Densely Populated Residential Areas, Healthy Ventilation, Airflow Organization, Multi-Objective Optimization, Architectural Design	24, 1, 159-170	10.2507/IJSIMM24-1-CO4	Huang X., Zhang L. (2025). Ventilation Solutions Simulation for Urban Residential Areas. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 159-170
48	Shen, Y. C.; Xiang, H. C.; Li, J. & Chen, Z. Y.	Supply Chain Production Planning and Scheduling Coordination Using Discrete Event Simulation	Multi-Level Supply Chain, Production Planning, Scheduling Coordination, Discrete Event Simulation, Genetic Algorithm	24, 1, 147-158	10.2507/IJSIMM24-1-CO3	Shen Y. C., Xiang H. C., Li J., Chen Z. Y. (2025). Supply Chain Production Planning and Scheduling Coordination Using Discrete Event Simulation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 147-158
49	Luo, X. G.; Zhou, L. & Wang, R.	Manufacturing Process Based on Recognition Rules and Bayesian Networks	Automotive Manufacturing Process Flow, Optimization Scheduling, Bayesian Network, Multi-Objective Optimization, Workflow Model	24, 1, 135-146	10.2507/IJSIMM24-1-CO2	Luo X. G., Zhou L., Wang R. (2025). Manufacturing Process Based on Recognition Rules and Bayesian Networks. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 135-146
50	Yang, L.; Wang, L. Y.; Li, L.; Zheng, X. H. & Chang, S. Y.	A Simulation-Based Optimization Approach to Enhance Drive Shaft Fatigue Strength	Entropy Weight TOPSIS, Kriging, Simulation, Optimization Design	24, 1, 123-134	10.2507/IJSIMM24-1-CO1	Yang L., Wang L. Y., Li L., Zheng X. H., Chang S. Y. (2025). A Simulation-Based Optimization Approach to Enhance Drive Shaft Fatigue Strength. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 123-134
51	Azzolini Junior, W.; Santos, C. H.; Romano, A. L.; Salles, H. O.; Palma, J. M. & Augusto Filho, R. T.	Integration of Simulation and Hierarchical Approach to Support Lean Implementation	Lean Manufacturing, Simulation, Hierarchical Approach, Moore-Hodgson, Genetic Algorithm	24, 1, 111-122	10.2507/IJSIMM24-1-719	Azzolini Junior W., Santos C. H., Romano A. L., Salles H. O., Palma J. M., Augusto Filho R. T. (2025). Integration of Simulation and Hierarchical Approach to Support Lean Implementation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 111-122
52	Pessoa, D. O.; Ferreira Junior, J. S.; Pinho, A. F. & Lima, R. S.	Developing Routes Using Hybrid Simulations: Public Transport vs. Bike Sharing	Urban Mobility, Transport Infrastructure, Agent-Based Simulation, Discrete Event Simulation	24, 1, 99-110	10.2507/IJSIMM24-1-718	Pessoa D. O., Ferreira Junior J. S., Pinho A. F., Lima R. S. (2025). Developing Routes Using Hybrid Simulations: Public Transport vs. Bike Sharing. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 99-110
53	San, Y. L.; Zhang, C. Y.; Zhong, F.; Qie, L. L. & Liu, Y. B.	Reflow Process Optimization of Tinned Copper Strip Based on FSI-Thermal Simulation	Reflow, Tinned Copper, Reflow-Derived Tinned Copper, Fluid-Solid Thermal, Process Optimization	24, 1, 87-98	10.2507/IJSIMM24-1-716	San Y. L., Zhang C. Y., Zhong F., Qie L. L., Liu Y. B. (2025). Reflow Process Optimization of Tinned Copper Strip Based on FSI-Thermal Simulation. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 87-98
54	Alrabghi, A.	A Modelling Approach for Asset Degradation: Advancing Digital Twin in Maintenance	Simulation, Maintenance, Modelling, Stochastic, Degradation	24, 1, 76-86	10.2507/IJSIMM24-1-715	Alrabghi A. (2025). A Modelling Approach for Asset Degradation: Advancing Digital Twin in Maintenance. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 76-86
55	Fu, C. G.; He, W. W.; Li, Y. H. & Lv, W. Q.	Heavy Metal-Contaminated Soil Remediation through EDEM Based on Rotary Tillage	EDEM, Rotary Tillage, Passivator, Soil Remediation, Simulation	24, 1, 64-75	10.2507/IJSIMM24-1-713	Fu C. G., He W. W., Li Y. H., Lv W. Q. (2025). Heavy Metal-Contaminated Soil Remediation through EDEM Based on Rotary Tillage. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 64-75
56	Soltesova, M.; Tarbajovsky, P.; Kacir, M. & Puskar, M.	Fuel Stratification Combustion Chamber Analysis for Future Hydrogen Combustion	Fuel Stratification, Combustion Space, Piston, Simulation Analysis	24, 1, 53-63	10.2507/IJSIMM24-1-712	Soltesova M., Tarbajovsky P., Kacir M., Puskar M. (2025). Fuel Stratification Combustion Chamber Analysis for Future Hydrogen Combustion. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 53-63
57	Liang, B. C. & Zhao, H. W.	Simulation of Electric Multiple Units with Virtual Control Units	Traction Drive System Simulation, Central Control Unit Simulation, Simulation Platform Construction, Neutral-Zone Passing	24, 1, 41-52	10.2507/IJSIMM24-1-711	Liang B. C., Zhao H. W. (2025). Simulation of Electric Multiple Units with Virtual Control Units. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 41-52

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58	Rea, P.; Ottaviano, E.; Antosz, K.; Kozlowski, E.; Lopes, H. & Machado, J.	Simulation of Robotic Inspections Based on Systematic Data Acquisition and Analysis	Modelling, Simulation, Mobile Robots, Systematic Data Analysis, Obstacle Detection	24, 1, 29-40	10.2507/IJSIMM24-1-708	Rea P., Ottaviano E., Antosz K., Kozlowski E., Lopes H., Machado J. (2025). Simulation of Robotic Inspections Based on Systematic Data Acquisition and Analysis. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 29-40
59	Kronova, J.; Kliment, M.; Pekarcikova, M. & Trebuna, P.	The Simulation Model of Warehouse Spaces Applying Mathematical-Statistical Methods	Mathematical-Statistical Methods, Modelling, Warehouse, Dendrogram	24, 1, 17-28	10.2507/IJSIMM24-1-706	Kronova J., Kliment M., Pekarcikova M., Trebuna P. (2025). The Simulation Model of Warehouse Spaces Applying Mathematical-Statistical Methods. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 17-28
60	Harl, B.	Effect of Topological Optimisation on the Kinetic Properties of the Kinematic Chain	Topology Optimisation, Shape Optimisation, Eigenfrequency, Kinematic Chain	24, 1, 5-16	10.2507/IJSIMM24-1-704	Harl B. (2025). Effect of Topological Optimisation on the Kinetic Properties of the Kinematic Chain. *Int. Journal of Simulation Modelling*, Vol. 24, No. 1, p. 5-16
1	He, S. H.	Coordination of Production Planning in Multi-Echelon Supply Chains: a Simulation Approach	Multi-Echelon Supply Chain, Production Planning, Scheduling Optimisation, Discrete Event Simulation, Multi-Objective Optimisation	23, 4, 728-739	10.2507/IJSIMM23-4-CO20	He S. H. (2024). Coordination of Production Planning in Multi-Echelon Supply Chains: a Simulation Approach. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 728-739
2	Xing, H. R.	Optimizing Human-Machine Systems in Automated Environments	Highly Automated Environments, Human-Machine Collaboration, Discrete-Time Model, Multilayer Perceptron (MLP), Safety Distance Prediction	23, 4, 716-727	10.2507/IJSIMM23-4-CO19	Xing H. R. (2024). Optimizing Human-Machine Systems in Automated Environments. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 716-727
3	Gong, D. Q.; Tang, J. L. K.; Zhang, T. R.; Wang, Y. N.; Yan, X. J. & Zhang, Q. Y.	A Simulation Study on Placement Optimization for Used Clothing Recycling Bins	Used Clothing Recycling, Placement Optimisation, User Characteristics, Optimisation, Simulation	23, 4, 704-715	10.2507/IJSIMM23-4-CO18	Gong D. Q., Tang J. L. K., Zhang T. R., Wang Y. N., Yan X. J., Zhang Q. Y. (2024). A Simulation Study on Placement Optimization for Used Clothing Recycling Bins. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 704-715
4	Wei, Z. H.; Yan, L. & Yan, X.	Optimizing Production with Deep Reinforcement Learning	Complex Production Processes, Deep Reinforcement Learning, Simulation Model, Optimization Design, Smart Manufacturing	23, 4, 692-703	10.2507/IJSIMM23-4-CO17	Wei Z. H., Yan L., Yan X. (2024). Optimizing Production with Deep Reinforcement Learning. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 692-703
5	Fan, J. K.	A Simulation Study on Inland Container and Truck Scheduling Optimization	Container Scheduling, Vehicle Routing Problem, Transportation Network, Inland Container Depot, Variable Neighborhood Search	23, 4, 680-691	10.2507/IJSIMM23-4-CO16	Fan J. K. (2024). A Simulation Study on Inland Container and Truck Scheduling Optimization. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 680-691
6	Dukic, G.; Hintsa, J.; Mannisto, T.; Tsikolenko, V.; Raimondi, A. & Janssens, F.	Parcel Flow-Simulation Tool of PARSEC System-of-Systems' Scanning Technology Architecture	Parcel Flow, Simulation Tool, Scanning Technology, Safety and Security, Customs, Performance Analysis	23, 4, 668-679	10.2507/IJSIMM23-4-707	Dukic G., Hintsa J., Mannisto T., Tsikolenko V., Raimondi A., Janssens F. (2024). Simulation Model of Vehicle Emission Reduction Exhaust System. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 668-679
7	Ma, H. W.; Xue, L. M. & Wang, C. W.	Cutting Vibration Response of a Shield-Type Tunnelling Robot System	Shield Type, Cutting Robot, Multirigid-Body Model, Stability, Vibration Response	23, 4, 656-667	10.2507/IJSIMM23-4-705	Ma H. W., Xue L. M., Wang C. W. (2024). Cutting Vibration Response of a Shield-Type Tunnelling Robot System. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 656-667
8	Si, Q. M.; Zhao, Y. H.; Huo, S.; Fu, S. & Zhang, H. T.	A Simulation Method for Fireproof Space Design in Aviation Airport Terminals	Performance-Based Fire Protection Design, Fire Simulation, Emergency Evacuation	23, 4, 644-655	10.2507/IJSIMM23-4-703	Si Q. M., Zhao Y. H., Huo S., Fu S., Zhang H. T. (2024). A Simulation Method for Fireproof Space Design in Aviation Airport Terminals. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 644-655
9	Breznikar, Z.; Bojinovic, M. & Brezocnik, M.	Application of Machine Learning to Reduce Casting Defects from Bentonite Sand Mixture	Gravity Casting, Machine Learning, Defect, Classifier, Data Science	23, 4, 634-643	10.2507/IJSIMM23-4-702	Breznikar Z., Bojinovic M., Brezocnik M. (2024). Application of Machine Learning to Reduce Casting Defects from Bentonite Sand Mixture. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 634-643
10	San, Y. L.; Li, Y. M.; Xiao, S. H.; Zhang, C. Y. & Liu, Y. B.	Parameter Optimization and Analysis of Plastic Separator Based on EDEM-Fluent	Plastic Recycling, PET, Winnowing Separation, EDEM-Fluent Coupling, Response Surface Method	23, 4, 622-633	10.2507/IJSIMM23-4-701	San Y. L., Li Y. M., Xiao S. H., Zhang C. Y., Liu Y. B. (2024). Parameter Optimization and Analysis of Plastic Separator Based on EDEM-Fluent. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 622-633
11	Flores, B.; Rodriguez, L.; Silva, U. & Loyo, J.	Hybrid Dynamic Analysis of the Manufacturing Process of Lightweight Bricks	Manufacturing Process, Discrete Behaviour, Continuous Behaviour, Hybrid Simulation, System Dynamics	23, 4, 611-621	10.2507/IJSIMM23-4-700	Flores B., Rodriguez L., Silva U., Loyo J. (2024). Hybrid Dynamic Analysis of the Manufacturing Process of Lightweight Bricks. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 611-621
12	Savran, E.; Karpat, E. & Karpat, F.	GA and WOA-Based Optimization for Electric Powertrain Efficiency	Electric Vehicle, Simulink, Design Optimization, Genetic Algorithm, Whale Optimization Algorithm	23, 4, 599-610	10.2507/IJSIMM23-4-699	Savran E., Karpat E., Karpat F. (2024). GA and WOA-Based Optimization for Electric Powertrain Efficiency. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 599-610
13	Lanzoni, D.; Harih, G.; Buchmeister, B. & Vujica Herzog, N.	Process Simulate Versus Inertial Mocap System in Human Movement Evaluation	Ergonomics, Simulation, Analytical Evaluation, Empirical Evaluation	23, 4, 587-598	10.2507/IJSIMM23-4-698	Lanzoni D., Harih G., Buchmeister B., Vujica Herzog N. (2024). Process Simulate Versus Inertial Mocap System in Human Movement Evaluation. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 587-598
14	Acko, B.; Tompa, J. & Klobucar, R.	Evaluation of Measurement Uncertainty Contributions in Ring Gauge Calibration	Measurement Traceability, Calibration, Measurement Uncertainty, Ring Gauge, Error Simulation	23, 4, 575-586	10.2507/IJSIMM23-4-697	Acko B., Tompa J., Klobucar R. (2024). Evaluation of Measurement Uncertainty Contributions in Ring Gauge Calibration. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 575-586
15	Tuncel, G. & Deniz, E.	Optimization of Container Terminal Operations Using Response Surface Methodology	Container Terminal, Double Cycling, Simulation, Response Surface Methodology, Derringer-Suich Method	23, 4, 563-574	10.2507/IJSIMM23-4-695	Tuncel G., Deniz E. (2024). Optimization of Container Terminal Operations Using Response Surface Methodology. *Int. Journal of Simulation Modelling*, Vol. 23, No. 4, p. 563-574
16	Wang, S. L. & Zhang, X.	Optimization Strategies and Simulation of Integrated Management in Supply Chains	Supply Chain Management, Manufacturing, Integrated Management, System Dynamics, Contractual Collaboration Model, Simulation Model	23, 3, 543-554	10.2507/IJSIMM23-3-CO15	Wang S. L., Zhang X. (2024). Optimization Strategies and Simulation of Integrated Management in Supply Chains. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 543-554

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17	Zhang, F. L.	Evolutionary Algorithm for Dynamic Resource Allocation and Its Applications	Dynamic Manufacturing Resource Allocation, Multi-Objective Optimization, NSGA-II, Intelligent Manufacturing, Industry 4.0	23, 3, 531-542	10.2507/IJSIMM23-3-CO14	Zhang F. L. (2024). Evolutionary Algorithm for Dynamic Resource Allocation and Its Applications. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 531-542
18	Han, S. F.; Miao, Y. R.; Pei, Y. J. & Yang, Y.	Finite Element Study on the Effect of Fibrillar Morphology on Corneal Biomechanics	Fibril Morphology, Finite Element Model, Corneal Strip, Stress-Strain Behaviour, Uniaxial Tension	23, 3, 519-530	10.2507/IJSIMM23-3-CO13	Han S. F., Miao Y. R., Pei Y. J., Yang Y. (2024). Finite Element Study on the Effect of Fibrillar Morphology on Corneal Biomechanics. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 519-530
19	Gao, L. L.; Zha, J.; Feng, Z. Y.; Liu, S. F.; Wu, S. S. & Zhu, Z. Y.	Flexible Job Shop Rescheduling Scheme Selection Using Improved TOPSIS	G1-Improved Entropy Weight Method, Improved TOPSIS, Flexible Job Shop, Rescheduling Scheme Selection	23, 3, 507-518	10.2507/IJSIMM23-3-CO12	Gao L. L., Zha J., Feng Z. Y., Liu S. F., Wu S. S., Zhu Z. Y. (2024). Flexible Job Shop Rescheduling Scheme Selection Using Improved TOPSIS. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 507-518
20	Tang, M. C.; Cao, J.; Gong, D. Q.; Xue, G. & Khoa, B. T.	Simulation Modelling of Electric Vehicle Charging Recommendations Based on Q-Learning	Electric Vehicles, Q-Learning, Charging Station Recommendations, Simulation, Intelligent Transportation Systems, Sustainable Mobility	23, 3, 495-506	10.2507/IJSIMM23-3-CO11	Tang M. C., Cao J., Gong D. Q., Xue G., Khoa B. T. (2024). Simulation Modelling of Electric Vehicle Charging Recommendations Based on Q-Learning. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 495-506
21	Si, Q. M.; Li, J. Y.; Guo, X. Y.; Wang, H. & Liu, C. Y.	Simulation of the Evacuation Strategy for an Air–Rail Intermodal Hub Station	Air–Rail Intermodal Hub Station, Fire Simulation, Emergency Evacuation	23, 3, 483-494	10.2507/IJSIMM23-3-696	Si Q. M., Li J. Y., Guo X. Y., Wang H., Liu C. Y. (2024). Simulation of the Evacuation Strategy for an Air–Rail Intermodal Hub Station. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 483-494
22	Kang, B. G. & Kim, B. S.	Attachable IoT-Based Digital Twin Framework Specialized for SME Production Lines	Digital Twin, IoT Device, Modelling and Simulation, Production Line, Small and Medium-Sized Enterprise	23, 3, 471-482	10.2507/IJSIMM23-3-694	Kang B. G., Kim B. S. (2024). Attachable IoT-Based Digital Twin Framework Specialized for SME Production Lines. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 471-482
23	Hao, L.; Wang, L.; Li, H. P. & Liu, P. P.	Simulation Inspection Technology for Surface Characteristics of High-Quality Strips	Strip Rolling, Surface Quality, Defect Identification, Deep Learning	23, 3, 459-470	10.2507/IJSIMM23-3-693	Hao L., Wang L., Li H. P., Liu P. P. (2024). Simulation Inspection Technology for Surface Characteristics of High-Quality Strips. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 459-470
24	Özel, M. A. & Kopmaz, O.	Design of a Periodic Structure for Composite Helicopter Rotor Blade	3D Periodic Structure, Composite Helicopter Rotor Blade, Vibration Attenuation, Passive Vibration Damping, Particle Swarm Optimization	23, 3, 447-458	10.2507/IJSIMM23-3-692	Özel M. A., Kopmaz O. (2024). Design of a Periodic Structure for Composite Helicopter Rotor Blade. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 447-458
25	Shen, N. Z.; Cui, J. W.; Peng, M.; Xu, H. & Wu, Z. Q.	An Optimization Method of Large Building Space Based on Evacuation Simulation	Fire in Large Buildings, Spatial Layout Optimization, Evacuation Efficiency	23, 3, 435-446	10.2507/IJSIMM23-3-691	Shen N. Z., Cui J. W., Peng M., Xu H., Wu Z. Q. (2024). An Optimization Method of Large Building Space Based on Evacuation Simulation. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 435-446
26	Mesquita, R. P.; Leal, F. & De Queiroz, J. A.	Digital Twins in the Retail Industry: a Systematic Literature Review	Digital Twin, Cyber-Physical System, Simulation, Retail	23, 3, 424-434	10.2507/IJSIMM23-3-690	Mesquita R. P., Leal F., De Queiroz J. A. (2024). Digital Twins in the Retail Industry: a Systematic Literature Review. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 424-434
27	Stojic, N.; Delic, M.; Bojanic, T.; Jokanovic, B. & Tasic, N.	Integrated Model of Risk Management in Business Processes in Industrial Systems	Risk Management, Business Process Management, Performance Management	23, 3, 412-423	10.2507/IJSIMM23-3-689	Stojic N., Delic M., Bojanic T., Jokanovic B., Tasic N. (2024). Integrated Model of Risk Management in Business Processes in Industrial Systems. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 412-423
28	Shih, Y. C.	Impacts of Maintenance Policies on Fractal Layout Performance	Computer Simulation, Fractal Layouts, Maintenance Policies, Product Makespan	23, 3, 401-411	10.2507/IJSIMM23-3-688	Shih Y. C. (2024). Impacts of Maintenance Policies on Fractal Layout Performance. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 401-411
29	Quintero, M.; Mula, J. & Campuzano-Bolarin, F.	A Conceptual Framework for Sustainable Freight Land Transport Simulation – Part 1	Freight Land Transport, Sustainability, Circular Economy, System Dynamics	23, 3, 389-400	10.2507/IJSIMM23-3-680	Quintero M., Mula J., Campuzano-Bolarin F. (2024). A Conceptual Framework for Sustainable Freight Land Transport Simulation – Part 1. *Int. Journal of Simulation Modelling*, Vol. 23, No. 3, p. 389-400
30	Fang, X. & Wang, Y.	Modelling and Simulation of Purchasing Decision by Data-Driven Demand	Purchasing, Confidence Rule Base Modelling, Data-Driven Demand, Simulation	23, 2, 371-381	10.2507/IJSIMM23-2-CO10	Fang X., Wang Y. (2024). Modelling and Simulation of Purchasing Decision by Data-Driven Demand. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 371-381
31	Mou, J. B.	Multi-Objective Optimization for Resource Allocation in Intelligent Manufacturing	Intelligent Manufacturing, Resource Allocation, Multi-Objective Optimization, NSGA-II, Fishbone Layout, Flexsim Simulation	23, 2, 359-370	10.2507/IJSIMM23-2-CO9	Mou J. B. (2024). Multi-Objective Optimization for Resource Allocation in Intelligent Manufacturing. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 359-370
32	Wang, Y. L.; Song, M. L.; Yang, L.; Chen, J. H. & Li, P.	Financing Green Innovation: a Simulation Approach for Manufacturing Enterprises	Financing Strategy, Manufacturing Enterprises, Green Technology Innovation, Risk Aversion	23, 2, 347-358	10.2507/IJSIMM23-2-CO8	Wang Y. L., Song M. L., Yang L., Chen J. H., Li P. (2024). Financing Green Innovation: a Simulation Approach for Manufacturing Enterprises. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 347-358
33	Sun, P. F.; Zhang, Y.; Wu, X. J.; Du, J. Y.; Hou, R. R. & Liu, J.	Simulation and Analysis of a Preemptive Transportation Model Using Flexsim Software	Preemptive Mode, Transport Efficiency, Process Flow	23, 2, 335-346	10.2507/IJSIMM23-2-CO7	Sun P. F., Zhang Y., Wu X. J., Du J. Y., Hou R. R., Liu J. (2024). Simulation and Analysis of a Preemptive Transportation Model Using Flexsim Software. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 335-346
34	Shen, G. C.; Liu, J.; Ding, Y. L.; Zhang, C. & Duo, J. Y.	Continuous Path Planning for Multi-Robot in Intelligent Warehouse	Intelligent Warehouse, Continuous Path Planning, Pre-Judgment Conflict Search, Priority	23, 2, 323-334	10.2507/IJSIMM23-2-CO6	Shen G. C., Liu J., Ding Y. L., Zhang C., Duo J. Y. (2024). Continuous Path Planning for Multi-Robot in Intelligent Warehouse. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 323-334
35	Chen, J. Q.; Guan, J. F.; Liu, J. D.; Wu, J. Q. & Chen, W. R.	Simulation Study on Dynamic Envelope and Interference Check of Stitch Wire	Catenary, Stitch Wire, Dynamic Envelope, Interference Check	23, 2, 311-322	10.2507/IJSIMM23-2-687	Chen J. Q., Guan J. F., Liu J. D., Wu J. Q., Chen W. R. (2024). Simulation Study on Dynamic Envelope and Interference Check of Stitch Wire. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 311-322

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36	Tobisova, A.; Kalavsky, P.; Senova, A. & Rozenberg, R.	Application of Simulation Models for Decision-Making Processes in Aviation Companies	Simulation, Aviation, Financing, Investment, Monte Carlo, Crystal Ball	23, 2, 299-310	10.2507/IJSIMM23-2-686	Tobisova A., Kalavsky P., Senova A., Rozenberg R. (2024). Application of Simulation Models for Decision-Making Processes in Aviation Companies. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 299-310
37	Zeng, Z.; Lan, F. Y. & Wang, Y. S.	A Simulation Method of Site Selection for Liquid Ammonia Tanks	Ammonia Leakage, Gas Diffusion, Crowd Evacuation, Site Selection for Liquid Ammonia	23, 2, 287-298	10.2507/IJSIMM23-2-685	Zeng Z., Lan F. Y., Wang Y. S. (2024). A Simulation Method of Site Selection for Liquid Ammonia Tanks. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 287-298
38	Turan, M. K.; Erzan Topcu, E. & Karpat, F.	Modelling and Investigation of a Driver Seat Suspension with Negative Stiffness Structure	Vibration, Suspension Seat, Negative Stiffness Structure, ANOVA, Taguchi	23, 2, 275-286	10.2507/IJSIMM23-2-684	Turan M. K., Erzan Topcu E., Karpat F. (2024). Modelling and Investigation of a Driver Seat Suspension with Negative Stiffness Structure. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 275-286
39	Zhou, S. & Shi, H.	Pressure Evolution of Overlying Rock Strata Using Gradual Increase Support Mining Method	Corner Coal Mining, Increasing Hydraulic Support, Numerical Simulation, Overburden Strata Movement, Field Application	23, 2, 263-274	10.2507/IJSIMM23-2-683	Zhou S., Shi H. (2024). Pressure Evolution of Overlying Rock Strata Using Gradual Increase Support Mining Method. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 263-274
40	Pekarcikova, M.; Trebuna, P.; Matiscsak, M. & Kopec, J.	Inventory Management Supported by Tecnomatix Plant Simulation Tool	Inventory, Analysis, Modelling, Simulation, Consumption	23, 2, 251-262	10.2507/IJSIMM23-2-682	Pekarcikova M., Trebuna P., Matiscsak M., Kopec J. (2024). Inventory Management Supported by Tecnomatix Plant Simulation Tool. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 251-262
41	Rihar, L. & Jenko, M.	QFD with Statistical Ranking – a Hydropower Turbine Case Study	Hydropower Turbine Maintenance, Parameter Probability Density, Predictive Analysis, QFD, QFD SR, Sensitivity Analysis	23, 2, 239-250	10.2507/IJSIMM23-2-681	Rihar L., Jenko M. (2024). QFD with Statistical Ranking – a Hydropower Turbine Case Study. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 239-250
42	Raska, P.; Ulrych, Z.; Baloun, J.; Malaga, M. & Lenc, L.	Using Adaptive Neural Networks for Optimising Discrete Event Simulation	Adaptive Neural Network, Comparison of Optimisation Methods, Discrete-Event Simulation Models, Simulation Optimisation	23, 2, 227-238	10.2507/IJSIMM23-2-678	Raska P., Ulrych Z., Baloun J., Malaga M., Lenc L. (2024). Using Adaptive Neural Networks for Optimising Discrete Event Simulation. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 227-238
43	Pervaz, J.; Sremcev, N.; Stevanov, B. & Gusel, L.	Simulation-Based Algorithm for Continuous Improvement of Enterprises Performance	Printing Process, Lean Management, Product Groups, Manufacturing Cells, Simulation, Continuous Improvement	23, 2, 215-226	10.2507/IJSIMM23-2-670	Pervaz J., Sremcev N., Stevanov B., Gusel L. (2024). Simulation-Based Algorithm for Continuous Improvement of Enterprises Performance. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 215-226
44	Kim, S.; Kim, H.; Park, C.; Jeong, J.; Yang, H. & Kong, S.	Optimal Computing Budget Allocation for Operations of a Zone-Picking System	Zone-Picking System, Simio, Database, Optimal Computing Budget Allocation	23, 2, 203-214	10.2507/IJSIMM23-2-666	Kim S., Kim H., Park C., Jeong J., Yang H., Kong S. (2024). Optimal Computing Budget Allocation for Operations of a Zone-Picking System. *Int. Journal of Simulation Modelling*, Vol. 23, No. 2, p. 203-214
45	He, D. X.	Fault Prediction in High-Efficiency Petroleum Machinery Production	Petroleum Machinery Production Systems, Fault Prediction, Signal Processing, CEEMD, VMD, ELM	23, 1, 184-195	10.2507/IJSIMM23-1-CO5	He D. X. (2024). Fault Prediction in High-Efficiency Petroleum Machinery Production. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 184-195
46	Liu, A. Y.; Yue, D. Z; Chen, J. L. & Chen, H.	Deep Learning for Intelligent Production Scheduling Optimization	Intelligent Production Scheduling, Deep Learning, Simulation Optimization, Multi-Agent System, Reinforcement Learning, Attention	23, 1, 172-183	10.2507/IJSIMM23-1-CO4	Liu A. Y., Yue D. Z, Chen J. L., Chen H. (2024). Deep Learning for Intelligent Production Scheduling Optimization. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 172-183
47	Jia, Z. X.; Shi, X. L. & Sun, M. Q.	A Co-Evolutionary Based Simulation Model for Logistic Organization	Logistic Organization, Evolution Pathway, Complex Network, Social Network Analysis, Railway Rolling Stock Manufacturers	23, 1, 161-171	10.2507/IJSIMM23-1-CO3	Jia Z. X., Shi X. L., Sun M. Q. (2024). A Co-Evolutionary Based Simulation Model for Logistic Organization. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 161-171
48	Li, X.-F.; Zhao, D.; Yi, L.; Wu, Z.; Zhang, Y. & Shuai, C.-G.	A Co-Simulation Model for the Operating Mechanism of a High-Voltage Circuit Breaker	Operating Mechanisms, Hydraulic System, Transmission Mechanism, Co-Simulation	23, 1, 149-160	10.2507/IJSIMM23-1-CO2	Li X.-F., Zhao D., Yi L., Wu Z., Zhang Y., Shuai C.-G. (2024). A Co-Simulation Model for the Operating Mechanism of a High-Voltage Circuit Breaker. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 149-160
49	Liao, Y. G.; Zhang, H.; Ren, N. & Wang, T. Y.	Collaborative Production Scheduling with Multi-Enterprise Idle Capacity Sharing	Capacity Sharing, Idle Time Window, Differential Manufacturing Services, Collaborative Production Scheduling, INSGA-II	23, 1, 137-148	10.2507/IJSIMM23-1-CO1	Liao Y. G., Zhang H., Ren N., Wang T. Y. (2024). Collaborative Production Scheduling with Multi-Enterprise Idle Capacity Sharing. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 137-148
50	Zhang, L. P.; Niu, X. T.; Zheng, W. Q. & Cui, Z. H.	Design of Orchard Fertilizer-Soil Mixing Device Based on Discrete Element Method	Fertilizer-Soil Mixing, Spiral Stirring, Lacey Index Evaluation Method, Discrete Element Method	23, 1, 125-136	10.2507/IJSIMM23-1-679	Zhang L. P., Niu X. T., Zheng W. Q., Cui Z. H. (2024). Design of Orchard Fertilizer-Soil Mixing Device Based on Discrete Element Method. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 125-136
51	Lumnitzer, E.; Fabianova, J.; Janekova, J.; Suhanyiova, A. & Suhanyi, L.	The Use of Simulations in Investment Decision-Making and Financing	Economic Efficiency of Investments, Monte Carlo Simulation, Risk, Optimization	23, 1, 113-124	10.2507/IJSIMM23-1-677	Lumnitzer E., Fabianova J., Janekova J., Suhanyiova A., Suhanyi L. (2024). The Use of Simulations in Investment Decision-Making and Financing. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 113-124
52	Zhang, X.; Ge, H. E.; Liu, Z. & Liu, Y. Q.	Analysis of Flow Straightener on the Internal Flow Field of Three-Phase Jet Fire Monitors	Three-Phase Jet Fire Monitor, Flow Characteristics, Flow Straightener, Internal Flow Field	23, 1, 101-112	10.2507/IJSIMM23-1-676	Zhang X., Ge H. E., Liu Z., Liu Y. Q. (2024). Analysis of Flow Straightener on the Internal Flow Field of Three-Phase Jet Fire Monitors. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 101-112
53	Yin, B. L.; Cui, X. Y.; Elmi, S. A.; Li, Z. Z.; An, H. L. & Bai, Z. H.	Genetic Law of Thickness Distribution of Strip Steel during Hot Rolling Process	Seven Stands, Hot Continuous Rolling, Thickness Distribution, Finite Element	23, 1, 89-100	10.2507/IJSIMM23-1-674	Yin B. L., Cui X. Y., Elmi S. A., Li Z. Z., An H. L., Bai Z. H. (2024). Genetic Law of Thickness Distribution of Strip Steel during Hot Rolling Process. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 89-100
54	Lerher, T.; Grum, Z.; Motaln, M. & Zadravec, M.	Wear Simulation of the Conveyor Belt Transfer Chute Using the DEM	Bulk Material Flow, Discrete Element Method (DEM), Transfer Chute Wear Simulation, Archard and Relative Wear, Performance Analysis	23, 1, 77-88	10.2507/IJSIMM23-1-673	Lerher T., Grum Z., Motaln M., Zadravec M. (2024). Wear Simulation of the Conveyor Belt Transfer Chute Using the DEM. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 77-88

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55	Silva, K. O. A. N.; Lima, R. S. & Alves, R.	The Impacts of the Pandemic on Urban Freight Deliveries: a Case Study in a Brazilian Carrier	Simulation, E-Commerce, Last-Mile Delivery, Urban Cargo Transportation, COVID-19, Hybrid Simulation Model	23, 1, 65-76	10.2507/IJSIMM23-1-672	Silva K. O. A. N., Lima R. S., Alves R. (2024). The Impacts of the Pandemic on Urban Freight Deliveries: a Case Study in a Brazilian Carrier. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 65-76
56	Sungkono, K. R.; Sarno, R.; Onggo, B. S. & Septiyanto, A. F.	Optimising Waste Management Collaboration Processes Using Hybrid Modelling	Agent-Based Simulation, Collaboration Process, Discrete-Event Simulation, Hazardous Waste Management, MCDM, Time-Cost Optimisation	23, 1, 53-64	10.2507/IJSIMM23-1-671	Sungkono K. R., Sarno R., Onggo B. S., Septiyanto A. F. (2024). Optimising Waste Management Collaboration Processes Using Hybrid Modelling. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 53-64
57	Malega, P. & Daneshjo, N.	Increasing the Production Capacity of Business Processes Using Plant Simulation	Plant Simulation, Production Capacity, Production Process, 3D Model, Business Process	23, 1, 41-52	10.2507/IJSIMM23-1-669	Malega P., Daneshjo N. (2024). Increasing the Production Capacity of Business Processes Using Plant Simulation. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 41-52
58	Alvarez-Campana, P.; Villafanez, F.; Acebes, F. & Poza, D.	Simulation-Based Approach for Multiproject Scheduling Based on Composite Priority Rules	Simulation, Multiproject Scheduling, Heuristics, RCMPSP, MPSPLib	23, 1, 29-40	10.2507/IJSIMM23-1-667	Alvarez-Campana P., Villafanez F., Acebes F., Poza D. (2024). Simulation-Based Approach for Multiproject Scheduling Based on Composite Priority Rules. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 29-40
59	Budiraharjo, R.; Sarno, R.; Wijaya, D. R.; Prasetyo, H. N. & Waspada, I.	Simulations to Predict Process Model Alignment with Standard Operating Procedure	Standard Operating Procedure, Behavioural Similarity, Four Quality Dimensions, Receiver Operating Characteristic, Structural Similarity	23, 1, 17-28	10.2507/IJSIMM23-1-657	Budiraharjo R., Sarno R., Wijaya D. R., Prasetyo H. N., Waspada I. (2024). Simulations to Predict Process Model Alignment with Standard Operating Procedure. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 17-28
60	Koide, R. M.; Herrera, P. H.; Luersen, M. A. & Ferreira, A. P. C. S.	Post-Buckling Optimisation of Composite Structures Using a Firefly Algorithm	Laminated Composites, Post-Buckling, Stiffened Panel, Optimisation, Firefly Algorithm	23, 1, 5-16	10.2507/IJSIMM23-1-654	Koide R. M., Herrera P. H., Luersen M. A., Ferreira A. P. C. S. (2024). Post-Buckling Optimisation of Composite Structures Using a Firefly Algorithm. *Int. Journal of Simulation Modelling*, Vol. 23, No. 1, p. 5-16
1	Pang, J. L.	Adaptive Fault Prediction and Maintenance in Production Lines Using Deep Learning	Deep Learning, Adaptive Production Lines, Fault Prediction, Maintenance Strategies, Wasserstein Distance, L2 Regularization, Neuron Dropout	22, 4, 734-745	10.2507/IJSIMM22-4-CO20	Pang J. L. (2023). Adaptive Fault Prediction and Maintenance in Production Lines Using Deep Learning. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 734-745
2	Zhang, Y. M.; Song, Y. F.; Meng, X. & Liu, Z. G.	Optimizing Supply Chain Efficiency with Fuzzy CRITIC-EDAS	Production Supply Chain Networks, Fuzzy CRITIC-EDAS Method, Efficiency Optimization, Decision Support Tool, Risk Mitigation	22, 4, 723-733	10.2507/IJSIMM22-4-CO19	Zhang Y. M., Song Y. F., Meng X., Liu Z. G. (2023). Optimizing Supply Chain Efficiency with Fuzzy CRITIC-EDAS. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 723-733
3	Han, L. N.; Ma, X. Z.; Tan, J. D.; Li, J. H. & Dong, Y. Q.	Balancing Material Supply-Demand with ARIMA and Neural Networks	Production Material Demand Forecasting, Supply Balance Strategies, ARIMA-BP	22, 4, 712-722	10.2507/IJSIMM22-4-CO18	Han L. N., Ma X. Z., Tan J. D., Li, J. H., Dong Y. Q. (2023). Balancing Material Supply-Demand with ARIMA and Neural Networks. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 712-722
4	Zhang, L. J.; Yang, S. J.; Wang, S. J.; Zeng, Y. M.; Hua, W. C. & Li, G. L.	High-Speed Bearing Dynamics and Applications in Production Lines	High-Speed Bearings, Dynamic Performance Simulation, Equilibrium Equations, Time-Frequency Domain Feature Extraction, Deep Learning, Real-Time Condition Monitor.	22, 4, 701-711	10.2507/IJSIMM22-4-CO17	Zhang L. J., Yang S. J., Wang S. J., Zeng Y. M., Hua W. C., Li G. L. (2023). High-Speed Bearing Dynamics and Applications in Production Lines. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 701-711
5	Li, Q.	Green Supply Chain Optimization with Fuzzy MCDM for Economic Growth	GSCM, Economic Benefits, MCDM, MABAC, Fuzzy Logic, Linear Programming	22, 4, 690-700	10.2507/IJSIMM22-4-CO16	Li Q. (2023). Green Supply Chain Optimization with Fuzzy MCDM for Economic Growth. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 690-700
6	Tarbajovsky, P.; Puskar, M. & Sabadka, D.	Simulation Model of Vehicle Emission Reduction Exhaust System	Simulation Model, Variable Exhaust System, Emission Reduction, Vehicle	22, 4, 679-689	10.2507/IJSIMM22-4-675	Tarbajovsky P., Puskar M., Sabadka D. (2023). Simulation Model of Vehicle Emission Reduction Exhaust System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 679-689
7	Chen, Y. X.; Song, Y. H. & Huo, F. Z.	Simulation of Crowd Evacuation Behaviours at Subway Stations under Panic Emotion	Evacuation, Companion Behaviour, Movement Rate, Panic Emotion, Cellular Automaton	22, 4, 667-678	10.2507/IJSIMM22-4-668	Chen Y. X., Song Y. H., Huo F. Z. (2023). Simulation of Crowd Evacuation Behaviours at Subway Stations under Panic Emotion. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 667-678
8	Suchanek, P.; Bucki, R. & Postrozny, J.	Modelling and Simulation of a Decision-Making Process Supporting Business System Logistics	Decision-Making, Business System, Mathematical Modelling, Simulation	22, 4, 655-666	10.2507/IJSIMM22-4-665	Suchanek P., Bucki R., Postrozny J. (2023). Modelling and Simulation of a Decision-Making Process Supporting Business System Logistics. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 655-666
9	Liu, J. D.; Chen, J. Q.; Wu, J. Q.; Han, F. & Guan, J. F.	Simulation Method for Stitch Wire Vibration Load and Fatigue Life	High-Speed Railway, Stitch Wire, Vibration, Fatigue Life, Simulation Model	22, 4, 643-654	10.2507/IJSIMM22-4-664	Liu J. D., Chen J. Q., Wu J. Q., Han F., Guan J. F. (2023). Simulation Method for Stitch Wire Vibration Load and Fatigue Life. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 643-654
10	Milkovic, M.; Njegovec, M.; Predan, J.; Javornik, J.; Djonlagic, D. & Gubeljak, N.	Monitoring Surface State of AA7075-T6 during Dynamic Loading with FBG Sensor	AA7075-T6, Dynamic Loading, Fiber Bragg Grating (FBG) Sensor, Surface Condition	22, 4, 631-642	10.2507/IJSIMM22-4-663	Milkovic M., Njegovec M., Predan J., Javornik J., Djonlagic D., Gubeljak N. (2023). Monitoring Surface State of AA7075-T6 during Dynamic Loading with FBG Sensor. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 631-642
11	Zhang, W.; Zhang, C. T. & Deng, C. H.	Design and Motion Simulation of Conveyor Production Line for Salted Kelp Turnover Box	Turnover box, Motion simulation, Motion function, ADAMS	22, 4, 619-630	10.2507/IJSIMM22-4-662	Zhang W., Zhang C. T., Deng C. H. (2023). Design and Motion Simulation of Conveyor Production Line for Salted Kelp Turnover Box. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 619-630
12	Sket, K.; Ficko, M.; Gubeljak, N. & Brezocnik, M.	Study of Environmental Impacts on Overhead Transmission Lines Using Genetic Algorithms	Overhead Transmission Lines (OTL), Machine Learning, Modelling, Optimization, Genetic Algorithms (GA)	22, 4, 610-618	10.2507/IJSIMM22-4-661	Sket K., Ficko M., Gubeljak N., Brezocnik M. (2023). Study of Environmental Impacts on Overhead Transmission Lines Using Genetic Algorithms. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 610-618
13	Huskova, K.; Andar, J. & Dyntar, J.	How Discretization Affects Intermittent Demand Stock Management Based on Simulation	Logistics, Intermittent Demand, Stock Management, Simulation, Optimization	22, 4, 598-609	10.2507/IJSIMM22-4-660	Huskova K., Andar J., Dyntar J. (2023). How Discretization Affects Intermittent Demand Stock Management Based on Simulation. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 598-609

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14	Straka, M.	Design of Microgrids as a Cost Economy Energy Savings Simulation Model: Monte Carlo Method	Energy Savings Simulation Model, Monte Carlo Method, Local Energy Systems, Microgrids, Simulation, ExtendSim	22, 4, 586-597	10.2507/IJSIMM22-4-659	Straka M. (2023). Design of Microgrids as a Cost Economy Energy Savings Simulation Model: Monte Carlo Method. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 586-597
15	Javernik, A.; Buchmeister, B. & Ojstersek, R.	The NASA-TLX Approach to Understand Workers Workload in Human-Robot Collaboration	Human-Robot Collaboration, Industry 5.0, NASA-TLX, Safety Awareness, Worker Well-Being, Worker Workload	22, 4, 574-585	10.2507/IJSIMM22-4-658	Javernik A., Buchmeister B., Ojstersek R. (2023). The NASA-TLX Approach to Understand Workers Workload in Human-Robot Collaboration. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 574-585
16	Nestorov, A.; Djordjevic, A.; Stefanovic, M.; Sladojevic, S. & Lalic, B.	A New Model of Human Resource Management for Work in an Intensive Environment	Human Resource Management, Intensive Environment, Simulation Model, Business Indicator	22, 4, 562-573	10.2507/IJSIMM22-4-648	Nestorov A., Djordjevic A., Stefanovic M., Sladojevic S., Lalic B. (2023). A New Model of Human Resource Management for Work in an Intensive Environment. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 562-573
17	Rodriguez, L.; Loyo, J. & Silva, U.	Layout Evaluation with the Industry 4.0 Approach for a Manufacturing Laboratory	SLP, Layout Planning, Design, Industry 4.0, Cycle Time, Simulation	22, 4, 551-561	10.2507/IJSIMM22-4-642	Rodriguez L., Loyo J., Silva U. (2023). Layout Evaluation with the Industry 4.0 Approach for a Manufacturing Laboratory. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 551-561
18	Wang, S. L.; Zhang, Y.; Sheng, X. & Luo, X. Y.	Blockchain in Supply Chain Collaboration: a Quantitative Study	Blockchain Technology, Supply Chain Management, Production Management, Collaborative Mechanisms, Stackelberg Game Model, Consensus	22, 3, 532-543	10.2507/IJSIMM22-3-CO15	Wang S. L., Zhang Y., Sheng X., Luo X. Y. (2023). Blockchain in Supply Chain Collaboration: a Quantitative Study. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 532-543
19	Wu, Q.; Su, J. F.; Xuan, J. & Lei, S.	Integrated Optimization of Vehicle Routing of Automotive Parts Inbound Logistics	Inbound Logistics, Station Grouping, Hybrid Genetic Algorithm (HGA), Automotive Logistics, Logistics Mode	22, 3, 520-531	10.2507/IJSIMM22-3-CO14	Wu Q., Su J. F., Xuan J., Lei S. (2023). Integrated Optimization of Vehicle Routing of Automotive Parts Inbound Logistics. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 520-531
20	Sun, H.	Optimizing Manufacturing Scheduling with Genetic Algorithm and LSTM Neural Networks	Intelligent Manufacturing, Scheduling System, LSTM Neural Networks, Multi-Objective Genetic Algorithm, WIP Inventory Forecasting, Model	22, 3, 508-519	10.2507/IJSIMM22-3-CO13	Sun H. (2023). Optimizing Manufacturing Scheduling with Genetic Algorithm and LSTM Neural Networks. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 508-519
21	Wan, L.; Yuan, Y.; Sun, H. & Qu, J.	Simulation Study on Drop and Explosion Performance of Marine Steam-Water Separator	Marine Steam-Water Separator, 5083 Aluminium Alloy, Drop Test and Simulation, Antiknock Simulation	22, 3, 497-507	10.2507/IJSIMM22-3-CO12	Wan L., Yuan Y., Sun H., Qu J. (2023). Simulation Study on Drop and Explosion Performance of Marine Steam-Water Separator. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 497-507
22	Duan, H. W.; Zhang, L. P.; Gan, B.; Chang, X.; Wang, X. F. & Li, K. H.	A System Dynamics-Based Simulation Model for Cross-Border Logistics Risk Transmission	Logistics Risks, System Dynamics, Cross-Border E-Commerce	22, 3, 485-496	10.2507/IJSIMM22-3-CO11	Duan H. W., Zhang L. P., Gan B., Chang X., Wang X. F., Li K. H. (2023). A System Dynamics-Based Simulation Model for Cross-Border Logistics Risk Transmission. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 485-496
23	Gracanin, D.; Ruskic, N.; Pavlica, T.; Maric, M. & Ciric Lalic, D.	Simulation Modelling of Pedestrians Influence on the Roundabout Capacity	Roundabout Capacity, Pedestrians, Crosswalk, Simulation, Intersection Approach	22, 3, 474-484	10.2507/IJSIMM22-3-656	Gracanin D., Ruskic N., Pavlica T., Maric M., Ciric Lalic D. (2023). Simulation Modelling of Pedestrians Influence on the Roundabout Capacity. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 474-484
24	Cao, K.; Li, X. H.; Gao, H. D.; Zhang, L. X. & You, F.	Design and Analysis of a Vertical Screw Stirring Device for Feeding Dairy Goats	Vertical Screw, Feeding Device, Discrete Element Method, Total Mixed Ration, Mixing Uniformity	22, 3, 462-473	10.2507/IJSIMM22-3-655	Cao K., Li X. H., Gao H. D., Zhang L. X., You F. (2023). Design and Analysis of a Vertical Screw Stirring Device for Feeding Dairy Goats. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 462-473
25	She, Q. C.; Yan, D. H.; Chen, C. S.; Li, B. & Huang, G.	Correction Technology for Main Girder Torsion in a Composite Girder Cable-Stayed Bridge	Composite Girder Cable-Stayed Bridge, Main Girder Torsion, Finite Element Analysis, Correction Technology	22, 3, 450-461	10.2507/IJSIMM22-3-653	She Q. C., Yan D. H., Chen C. S., Li B., Huang G. (2023). Correction Technology for Main Girder Torsion in a Composite Girder Cable-Stayed Bridge. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 450-461
26	Guo, H. X.; Ni, S. Q. & He, Y. Y.	Multi-Vehicle Scheduling of Containers in Highway Port under Network Condition	Highway Transportation, Tractor and Semitrailer Transportation, Highway Port, Network Condition, Multi-Vehicle	22, 3, 438-449	10.2507/IJSIMM22-3-652	Guo H. X., Ni S. Q., He Y. Y. (2023). Multi-Vehicle Scheduling of Containers in Highway Port under Network Condition. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 438-449
27	Terek Stojanovic, E.; Mali, P.; Kuzmanovic, B.; Mitic, S.; Taborosi, S. & Nikolic, M.	Modelling the Impacts on Entrepreneurial Attitudes and Intentions of Freelancers	Big Five, Individual Entrepreneurial Orientation, Love of Money, Entrepreneurial Intention, Freelancers, Modelling	22, 3, 426-437	10.2507/IJSIMM22-3-651	Terek Stojanovic E., Mali P., Kuzmanovic B., Mitic S., Taborosi S., Nikolic M. (2023). Modelling the Impacts on Entrepreneurial Attitudes and Intentions of Freelancers. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 426-437
28	Lisowski, J.	Computer Simulation of a Game Control Model in a Complex Maritime Traffic Environment	Traffic Systems, Automatic Control, Optimization Techniques, Game Theory	22, 3, 416-425	10.2507/IJSIMM22-3-649	Lisowski J. (2023). Computer Simulation of a Game Control Model in a Complex Maritime Traffic Environment. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 416-425
29	Fike, M.; Pezdevsek, M.; Predin, A. & Hren, G.	Blade Element Momentum Calculation Method with Various Corrections	BEM Method, S826 Airfoil, Horizontal Axis Wind Turbine, Aerodynamic Performance, Power Coefficient	22, 3, 404-415	10.2507/IJSIMM22-3-647	Fike M., Pezdevsek M., Predin A., Hren G. (2023). Blade Element Momentum Calculation Method with Various Corrections. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 404-415
30	Yehoshua, A.; Bechar, A.; Cohen, Y.; Shmuel, L. & Edan, Y.	Dynamic Sampling Algorithm for Agriculture-Monitoring Ground Robot	Field Sampling, Agricultural Monitoring, Ground Robot, Dynamic Sampling Algorithm, Insect Detection	22, 3, 392-403	10.2507/IJSIMM22-3-646	Yehoshua A., Bechar A., Cohen Y., Shmuel L., Edan Y. (2023). Dynamic Sampling Algorithm for Agriculture-Monitoring Ground Robot. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 392-403
31	Pereira, A. B. M.; Montevechi, J. A. B.; Pinto, W. G. M. & Santos, C. H.	Simulation and Digital Twins to Support Reverse Logistics Decisions: a Review	Reverse Logistics, Green Supply Chain, Industry 4.0, Digital Twins, Simulation	22, 3, 381-391	10.2507/IJSIMM22-3-640	Pereira A. B. M., Montevechi J. A. B., Pinto W. G. M., Santos C. H. (2023). Simulation and Digital Twins to Support Reverse Logistics Decisions: a Review. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 381-391
32	Zseller, V. & Samu, K.	Metaheuristic of Arbitrary Luminous Intensity Distribution for Roadway Lighting Luminaires	Lighting, Outdoor, Roadway, Optics, LED, Evolutionary Algorithm	22, 3, 369-380	10.2507/IJSIMM22-3-626	Zseller V., Samu K. (2023). Metaheuristic of Arbitrary Luminous Intensity Distribution for Roadway Lighting Luminaires. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 369-380

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33	Yang, S. Y. & Zhang, M. F.	Blockchain-Driven Optimization in Intelligent Manufacturing	Blockchain Technology, Intelligent Manufacturing, Production-Service Combinatorial Optimization and Production Control (PSCO-PC), Simulation	22, 2, 350-361	10.2507/IJSIMM22-2-CO10	Yang S. Y., Zhang M. F. (2023). Blockchain-Driven Optimization in Intelligent Manufacturing. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 350-361
34	Zhu, X. Q.	Collaborative Modelling and Simulation for Manufacturing Cost Analysis	Production Cost, Economic Benefit, Accounting Analysis, Collaborative Manufacturing, Modelling and Simulation	22, 2, 338-349	10.2507/IJSIMM22-2-CO9	Zhu X. Q. (2023). Collaborative Modelling and Simulation for Manufacturing Cost Analysis. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 338-349
35	Wang, Y. L.; Chen, J. H.; Yang, L.; Fang, X. & Cai, J. R.	A Simulation Study on Supply Chain Financing Strategy of Manufacturing Firms	Green Manufacturing, Manufacturing Supply Chain, Financing Strategy, Capital Constraints, Risk Aversion	22, 2, 327-337	10.2507/IJSIMM22-2-CO8	Wang Y. L., Chen J. H., Yang L., Fang X., Cai J. R. (2023). A Simulation Study on Supply Chain Financing Strategy of Manufacturing Firms. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 327-337
36	Liang, R.; Feng, Z. X.; Dong, Y. F.; Xin, Y.; Yang, J. X. & Cao, Y. P.	Optimization of a Simulated Reconfigurable Hybrid Flow Assembly System	Simulated RHFA System, Assembly Sequence, Equipment Composition, Multi-Objective Harris Hawks Optimization	22, 2, 315-326	10.2507/IJSIMM22-2-CO7	Liang R., Feng Z. X., Dong Y. F., Xin Y., Yang J. X., Cao Y. P. (2023). Optimization of a Simulated Reconfigurable Hybrid Flow Assembly System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 315-326
37	Jiang, L.; Duan, J. J.; Zheng, R. P.; Shen, H. N.; Li, H. & Xu, J.	Optimization and Simulation of Garment Production Line Balance Based on Improved GA	Garment Production Line, Improved GA, Balance Optimization of Blouse Assembly Line, AnyLogic Simulation	22, 2, 303-314	10.2507/IJSIMM22-2-CO6	Jiang L., Duan J. J., Zheng R. P., Shen H. N., Li H., Xu J. (2023). Optimization and Simulation of Garment Production Line Balance Based on Improved GA. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 303-314
38	Meng, Z. S.; Peng, H. X. & Xie, Y. Y.	Analysis of the Dynamic Load Characteristics of Double-Top-Beam Supports with Gaps	Double-Top-Beam Support, Joint Gap Clearance, Attitude Variation, Dynamic Load	22, 2, 291-302	10.2507/IJSIMM22-2-650	Meng Z. S., Peng H. X., Xie Y. Y. (2023). Analysis of the Dynamic Load Characteristics of Double-Top-Beam Supports with Gaps. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 291-302
39	Niu, L. Q.; Yang, X. B.; Si, Q. M.; Li, Z. & Wang, C. Y.	Simulation of Corrosion in the Riveted Zone of Aluminium-Based Skin	Aluminium-Based Skin, Corrosion, Coating Pre-Damage	22, 2, 279-290	10.2507/IJSIMM22-2-645	Niu L. Q., Yang X. B., Si Q. M., Li Z., Wang C. Y. (2023). Simulation of Corrosion in the Riveted Zone of Aluminium-Based Skin. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 279-290
40	Cui, X. Y.; Li, Z. Z.; Yin, B. L.; Wang, W. Q.; Liu, Y. X. & Bai, Z. H.	Modelling Analysis of Coupling Deformation between Strip Steel and Roller System	Six-High Cold Rolling Mill, Bending Roller, Roll Shifting, Loaded Roller Gap, Flatness	22, 2, 267-278	10.2507/IJSIMM22-2-644	Cui X. Y., Li Z. Z., Yin B. L., Wang W. Q., Liu Y. X., Bai Z. H. (2023). Modelling Analysis of Coupling Deformation between Strip Steel and Roller System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 267-278
41	Attia, E.-A.; Sobhi, N.; Alarjani, A. & Karam, A.	Improving Electric Motor Assembly using One Piece Flow, Ergonomics, and Cellular Layout	Assembly Lines, Simulation, Single-Piece Flow, Human Factors, Cellular Manufacturing System, Work in Process	22, 2, 255-266	10.2507/IJSIMM22-2-643	Attia E.-A., Sobhi N., Alarjani A., Karam A. (2023). Improving Electric Motor Assembly using One Piece Flow, Ergonomics, and Cellular Layout. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 255-266
42	Zivlak, N.; Sun, Q.; Lalic, B.; Ciric-Lalic, D. & Dong, M.	Balancing Supplier Channels: an Incentive Model for Online and Offline Sales Channels	Channel Incentive, Channel Conflict Level, Bounded Rationality, Reference Prices	22, 2, 245-254	10.2507/IJSIMM22-2-641	Zivlak N., Sun Q., Lalic B., Ciric-Lalic D., Dong M. (2023). Balancing Supplier Channels: an Incentive Model for Online and Offline Sales Channels. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 245-254
43	Kevorkijan, L.; Pezdevsek, M.; Bilus, I. & Hren, G.	Cavitation Erosion Modelling – Comparison of Different Driving Pressure Approaches	Cavitation, Erosion Potential, Driving Pressure, Numerical Simulation	22, 2, 233-244	10.2507/IJSIMM22-2-639	Kevorkijan L., Pezdevsek M., Bilus I., Hren G. (2023). Cavitation Erosion Modelling – Comparison of Different Driving Pressure Approaches. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 233-244
44	Sarac Guleryuz, S. & Koyuncu, M.	Simulation of Intensive Care Bed Capacity Based on Mixture Distribution	Length of Stay, Interarrival Times, Mixture Distribution, Bed Capacity, Intensive Care Unit	22, 2, 221-232	10.2507/IJSIMM22-2-637	Sarac Guleryuz S., Koyuncu M. (2023). Simulation of Intensive Care Bed Capacity Based on Mixture Distribution. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 221-232
45	Alcaraz-Mejia, M.; Parres-Peredo, A.; Piza-Davila, I. & Gutierrez-Preciado, L. F.	Modelling and Simulation Process of Extended Petri Nets with PNML and Matlab/Simulink	Discrete Event Systems, Petri Nets, Modelling, Simulation, Matlab, Simulink	22, 2, 211-220	10.2507/IJSIMM22-2-636	Alcaraz-Mejia M., Parres-Peredo A., Piza-Davila I., Gutierrez-Preciado L. F. (2023). Modelling and Simulation Process of Extended Petri Nets with PNML and Matlab/Simulink. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 211-220
46	Witthayapraphakorn, A. & Jaijit, S.	Using Simulation to Determine the Reorder Point under Uncertainty of a Retail Store	Discrete-Event Simulation, Inventory Management, Reorder Point Determination, Uncertain Demand, Uncertain Leadtime	22, 2, 199-210	10.2507/IJSIMM22-2-630	Witthayapraphakorn A., Jaijit S. (2023). Using Simulation to Determine the Reorder Point under Uncertainty of a Retail Store. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 199-210
47	Barbieri, J. P.; Pinho, A. F. & Montevechi, J. A. B.	Autonomous Entities: a Hybrid Model and Its Effects	Complexity, iDAV Method, Model Development, Hybrid Simulation	22, 2, 187-198	10.2507/IJSIMM22-2-628	Barbieri J. P., Pinho A. F., Montevechi J. A. B. (2023). Autonomous Entities: a Hybrid Model and Its Effects. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 187-198
48	Zhou, Q. H.; Qiu, Y. H.; Liu, H. S. & He, Y.	A Performance Study on Structural Parameters of Centre-Axle-Trailer Combinations	Rearward Amplification (RWA), Dynamic Stability, Path-Following Off-Tracking (PFOT), Manoeuvrability, Centre Axle Trailer, Numerical Simulations	22, 1, 168-179	10.2507/IJSIMM22-1-CO5	Zhou Q. H., Qiu Y. H., Liu H. S., He Y. (2023). A Performance Study on Structural Parameters of Centre-Axle-Trailer Combinations. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 168-179
49	Hu, Y. M.; Li, D. D. & Zhou, L.	Design and Simulation of a Multi-Specification and Small Flow Flexible Storage Systems	Flexible Storage, Multi-Variety, Multi-Specification, Small Flow, Multi-Specification Rack, Interchangeable Fork Stacker	22, 1, 157-167	10.2507/IJSIMM22-1-CO4	Hu Y. M., Li D. D., Zhou L. (2023). Design and Simulation of a Multi-Specification and Small Flow Flexible Storage Systems. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 157-167
50	Liu, X. H.; Jiang, S. Q.; Zeng, Y. Q.; Hu, W. D.; Gong, Y. & Chen, J. L.	The Plastic Zone of Clay under Foundation Load: an Experimental and Numerical Analysis	Plastic Zone, Foundation Bearing Capacity, Particle Image Velocimetry, Discrete Element Method	22, 1, 145-156	10.2507/IJSIMM22-1-CO3	Liu X. H., Jiang S. Q., Zeng Y. Q., Hu W. D., Gong Y., Chen J. L. (2023). The Plastic Zone of Clay under Foundation Load: an Experimental and Numerical Analysis. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 145-156
51	Zhao, P. X.; Dai, M. N.; Han, X.; Xu, C. & Du, C. C.	Model and Algorithm for the Skill Capacitated VRP with Time Windows in Airports	Airport Ground Support Vehicle, Collaborative Scheduling, Simple Temporal Network, Genetic Algorithm, Vehicle Routing Problem (VRP)	22, 1, 133-144	10.2507/IJSIMM22-1-CO2	Zhao P. X., Dai M. N., Han X., Xu C., Du C. C. (2023). Model and Algorithm for the Skill Capacitated VRP with Time Windows in Airports. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 133-144

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52	Chai, G. F. & Xia, Y. Z.	Multi-Robot Path Optimization and Simulation for Multi-Route Inspection in Manufacturing	Intelligent Manufacturing, Multi-Route Inspection, Multi-Robot Cooperation, Patrol Path Optimization, Simulation Modelling	22, 1, 121-132	10.2507/IJSIMM22-1-CO1	Chai G. F., Xia Y. Z. (2023). Multi-Robot Path Optimization and Simulation for Multi-Route Inspection in Manufacturing. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 121-132
53	Zhang, X. Y.; Chen, G. P. & Shi, J. M.	Simulation of Guided Crowd Evacuation Scheme of High-Speed Train Carriage	High-Speed Train Carriage, Evacuation, Crowd Guidance Scheme	22, 1, 110-120	10.2507/IJSIMM22-1-638	Zhang X. Y., Chen G. P., Shi J. M. (2023). Simulation of Guided Crowd Evacuation Scheme of High-Speed Train Carriage. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 110-120
54	Yener, F. & Yazgan, H. R.	Simulation of Re-Arrangement and Healing in Robotic Compact Bin-Storage System	Robotic Compact Bin-Storage System, Order Picking, Re-arrangement, Simulation	22, 1, 100-109	10.2507/IJSIMM22-1-635	Yener F., Yazgan H. R. (2023). Simulation of Re-Arrangement and Healing in Robotic Compact Bin-Storage System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 100-109
55	Zhang, W. J.; Zhang, X. D.; Guo, Z. F.; Wang, J. H. & Bai, Z. H.	Simulation Analysis of Temperature Field of Tinplate in the Quenching	Tinplate, Quench Stain, Temperature Field, Finite Element	22, 1, 88-99	10.2507/IJSIMM22-1-634	Zhang W. J., Zhang X. D., Guo Z. F., Wang J. H., Bai Z. H. (2023). Simulation Analysis of Temperature Field of Tinplate in the Quenching. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 88-99
56	Isik, M.; Sahin, C. & Hamidy, S. M.	Novel Dispatching Rules for Multiple-Load Automated Guided Vehicles	Multiple-Load Automated Guided Vehicles (MAGVs), Dispatching Rules, Simulation	22, 1, 76-87	10.2507/IJSIMM22-1-632	Isik M., Sahin C., Hamidy S. M. (2023). Novel Dispatching Rules for Multiple-Load Automated Guided Vehicles. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 76-87
57	Mares, A.; Vaclav, S. & Delgado Sobrino, D. R.	Proposal of a Software Tool for Manual Assembly Outputs Simulation	Assembly, Simulation, Time Analysis, Microsoft Excel, Software Tool	22, 1, 64-75	10.2507/IJSIMM22-1-631	Mares A., Vaclav S., Delgado Sobrino D. R. (2023). Proposal of a Software Tool for Manual Assembly Outputs Simulation. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 64-75
58	Zeng, X. T. & Wang, D. L.	Analysis of the Influence of Accumulator Configuration on Stable Liquid Supply	Emulsion Pump Station, Accumulator, Stable Liquid Supply, Optimization Analysis	22, 1, 52-63	10.2507/IJSIMM22-1-629	Zeng X. T., Wang D. L. (2023). Analysis of the Influence of Accumulator Configuration on Stable Liquid Supply. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 52-63
59	Huskova, K. & Dyntar, J.	Speeding Up Past Stock Movement Simulation in Sporadic Demand Inventory Control	Spare Parts, Sporadic Demand, Inventory Control, Continuous Review, Fixed Order Quantity, Simulation	22, 1, 41-51	10.2507/IJSIMM22-1-627	Huskova K., Dyntar J. (2023). Speeding Up Past Stock Movement Simulation in Sporadic Demand Inventory Control. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 41-51
60	Pinto, W. G. M.; Montevechi, J. A. B.; Miranda, R. de C.; Santos, C. H. & Pereira, A. B. M.	Optimisation via Simulation Applied to Reverse Logistics: a Systematic Literature Review	Optimisation, Simulation, Reverse Logistics, Systematic Literature Review	22, 1, 29-40	10.2507/IJSIMM22-1-620	Pinto W. G. M., Montevechi J. A. B., Miranda R. de C., Santos C. H., Pereira A. B. M. (2023). Optimisation via Simulation Applied to Reverse Logistics: a Systematic Literature Review. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 29-40
61	Prasetyo, H. N.; Sarno, R.; Wijaya, D. R.; Budiraharjo, R. & Waspada, I.	Sampling Simulation in Process Discovery	Process Mining, Process Discovery, Big Data, Sampling, Event Log	22, 1, 17-28	10.2507/IJSIMM22-1-619	Prasetyo H. N., Sarno R., Wijaya D. R., Budiraharjo R., Waspada I. (2023). Sampling Simulation in Process Discovery. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 17-28
62	Trebuna, P.; Pekarcikova, M.; Kliment, M.; Kopec, J. & Svantner, T.	Online e-Kanban System Implementation in a Manufacturing Company	VSM Analysis, e-Kanban, Algorithms, Process, Project	22, 1, 5-16	10.2507/IJSIMM22-1-614	Trebuna P., Pekarcikova M., Kliment M., Kopec J., Svantner T. (2023). Online e-Kanban System Implementation in a Manufacturing Company. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 5-16
1	Fan, Y. Y.	Demand Prediction of Production Materials and Simulation of Production Management	Markov Model, Demand Prediction of Production Materials, Simulation of Production Management	21, 4, 720-731	10.2507/IJSIMM21-4-CO20	Fan Y. Y. (2022). Demand Prediction of Production Materials and Simulation of Production Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 720-731
2	Deng, J.-X. & Chen, X.-Y.	Simulation of Impact of Resource Competition on Shared Resource Utilisation	System Dynamics, Resource Matching Platform, Resource Utilisation, Demander Response Success Rate, Business Response	21, 4, 708-719	10.2507/IJSIMM21-4-CO19	Deng J.-X., Chen X.-Y. (2022). Simulation of Impact of Resource Competition on Shared Resource Utilisation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 708-719
3	Wang, Y.; Zhang, S. Y.; Zhang, Q. P.; Lin, S. M. & Pang, G. S.	IoT-Based Distributed Simulation of Industrial Automation Production Line Management	IoT, Industrial Automated Production, Production Line Management (PLM), Distributed Emulation	21, 4, 696-707	10.2507/IJSIMM21-4-CO18	Wang Y., Zhang S. Y., Zhang Q. P., Lin S. M., Pang G. S. (2022). IoT-Based Distributed Simulation of Industrial Automation Production Line Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 696-707
4	Chen, W. & Hao, Y. F.	A Combined Service Optimization and Production Control Simulation System	Intelligent Manufacturing, Combined Service Optimization, Production Control, Simulation System Design and Development	21, 4, 684-695	10.2507/IJSIMM21-4-CO17	Chen W., Hao Y. F. (2022). A Combined Service Optimization and Production Control Simulation System. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 684-695
5	Wang, Y. L.; Zheng, X. Y.; Yin, X. M. & Cai, J. R.	Simulation of Financing Decisions with Behavioural Preferences and Yield Uncertainty	Financing Decisions, Stockout Aversion, Waste Aversion, Yield Uncertainty, Supply Chain	21, 4, 675-683	10.2507/IJSIMM21-4-CO16	Wang Y. L., Zheng X. Y., Yin X. M., Cai J. R. (2022). Simulation of Financing Decisions with Behavioural Preferences and Yield Uncertainty. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 675-683
6	Stevanov, B.; Sremcev, N.; Lazarevic, M.; Anderla, A.; Sladojevic, S. & Vidicki, P.	Optimization of the Subassembly Production Process Using Simulation	Simulation Optimization, Manufacturing, Parts Group Schedule, Batch Size, Interarrival Time, Subassembly Process	21, 4, 663-674	10.2507/IJSIMM21-4-633	Stevanov B., Sremcev N., Lazarevic M., Anderla A., Sladojevic S., Vidicki P. (2022). Optimization of the Subassembly Production Process Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 663-674
7	Zhang, X.; Li, X.; Gao, K. D. & Zeng, Q. L.	Analysis of Different Positional Relationships of Adjacent Double Picks on Cutting Force	Numerical Simulation, Adjacent Picks, Spacing between Picks, Cutting Depth, Cutting Force	21, 4, 651-662	10.2507/IJSIMM21-4-625	Zhang X., Li X., Gao K. D., Zeng Q. L. (2022). Analysis of Different Positional Relationships of Adjacent Double Picks on Cutting Force. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 651-662
8	Zuperl, U.; Kovacic, M. & Brezocnik, M.	An ANFIS-Mechanistic Simulator of Tool Loads in Ball-End Milling of Layered Metal Materials	Ball-End Milling, Layered Metal Material, Cutting Edge Loads, Coefficients of Material, ANFIS-Mechanistic Simulator	21, 4, 639-650	10.2507/IJSIMM21-4-624	Zuperl U., Kovacic M., Brezocnik M. (2022). An ANFIS-Mechanistic Simulator of Tool Loads in Ball-End Milling of Layered Metal Materials. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 639-650

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9	Ojstersek, R.; Javernik, A. & Buchmeister, B.	Importance of Sustainable Collaborative Workplaces – Simulation Modelling Approach	Sustainable Manufacturing, Manufacturing Efficiency, Collaborative Workplace, Collaborative Robot, Cobot, Simulation Modelling	21, 4, 627-638	10.2507/IJSIMM21-4-623	Ojstersek R., Javernik A., Buchmeister B. (2022). Importance of Sustainable Collaborative Workplaces – Simulation Modelling Approach. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 627-638
10	Visagan, A. & Ganesh, P.	Parametric Optimization of Two Point Incremental Forming Using GRA and TOPSIS	Two Point Incremental Forming, Surface Roughness, Thickness, Taguchi, Grey Relational Analysis, TOPSIS, ANOVA	21, 4, 615-626	10.2507/IJSIMM21-4-622	Visagan A., Ganesh P. (2022). Parametric Optimization of Two Point Incremental Forming Using GRA and TOPSIS. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 615-626
11	Liu, G. F.; Cui, X. Y.; Li, Z. Z.; Wang, J. H.; Zhang, X. D. & Bai, Z. H.	Shape Change Simulation Analysis of Wheel Steel in a Four-High Hot Rolling Mill	Hot Rolling, Continuous Rolling, Plate Shape, Finite Element	21, 4, 603-614	10.2507/IJSIMM21-4-621	Liu G. F., Cui X. Y., Li Z. Z., Wang J. H., Zhang X. D., Bai Z. H. (2022). Shape Change Simulation Analysis of Wheel Steel in a Four-High Hot Rolling Mill. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 603-614
12	Kirli Akin, H. & Ordu, M.	A Novel Simulation-Based Two-Stage Optimization Approach for Nurse Planning	Discrete Event Simulation, Mathematical Modelling, Optimization, Covid19, Nurse Scheduling, Capacity Planning	21, 4, 591-602	10.2507/IJSIMM21-4-618	Kirli Akin H., Ordu M. (2022). A Novel Simulation-Based Two-Stage Optimization Approach for Nurse Planning. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 591-602
13	Leelatanon, S.; Jantawee, S.; Vannarat, S. & Matan, N.	Assessment of Asymmetrical Stress Profile within Wood Using Restoring Force Technique	Stress Assessment, Finite Element Model, Elastic Beam Theory, Asymmetrical Stress Profile, Wooden Specimen	21, 4, 579-590	10.2507/IJSIMM21-4-617	Leelatanon S., Jantawee S., Vannarat S., Matan N. (2022). Assessment of Asymmetrical Stress Profile within Wood Using Restoring Force Technique. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 579-590
14	Wittmann, J.; Hüter, F.; Zahn, A.; Tremmel, S. & Rieg, F.	On the Choice of the Numerical Contact Stiffness Parameter for the Modal Analysis	Finite-Element Modal Analysis, Computational Contact Mechanics, Contact Stiffness, Experimental Modal Analysis	21, 4, 567-578	10.2507/IJSIMM21-4-616	Wittmann J., Hüter F., Zahn A., Tremmel S., Rieg F. (2022). On the Choice of the Numerical Contact Stiffness Parameter for the Modal Analysis. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 567-578
15	She, Q. C.; Chen, C. S.; Yan, D. H.; Wu, L. M. & Huang, G.	Shear Lag Effect Study of a Composite Girder Cable-Stayed Bridge During Construction	Composite Twin-Box Girder, Construction Stage, Shear-Lag Effect, Stress Test, Finite Element Method	21, 4, 555-566	10.2507/IJSIMM21-4-615	She Q. C., Chen C. S., Yan D. H., Wu L. M., Huang G. (2022). Shear Lag Effect Study of a Composite Girder Cable-Stayed Bridge During Construction. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 555-566
16	Li, Z. P.	Management Decisions in Multi-Variety Small-Batch Product Manufacturing Process	Discrete Production Environment, Multi-Variety Small-Batch, Product Manufacturing Process, Management Decisions, Simulation	21, 3, 537-547	10.2507/IJSIMM21-3-CO15	Li Z.P. (2022). Management Decisions in Multi-Variety Small-Batch Product Manufacturing Process. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 537-547
17	Huo, L. & Wang, J. Y.	Flexible Job Shop Scheduling Based on Digital Twin and Improved Bacterial Foraging	Flexible Job Shop Scheduling, Improved Bacteria Foraging Optimization Algorithm, Digital Twin, Complex Product, Dynamic Scheduling	21, 3, 525-536	10.2507/IJSIMM21-3-CO14	Huo L., Wang J. Y. (2022). Flexible Job Shop Scheduling Based on Digital Twin and Improved Bacterial Foraging. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 525-536
18	Liu, Y.; Fan, W. G.; Zhang, X. L.; Wu, Z. W. & Wu, C. X.	Static Contact Modelling and Analysis for Rail Grinding with Abrasive Belt	Rail Grinding, Abrasive Belt, Contact, Stress Distribution	21, 3, 513-524	10.2507/IJSIMM21-3-CO13	Liu Y., Fan W. G., Zhang X. L., Wu Z. W., Wu C. X. (2022). Static Contact Modelling and Analysis for Rail Grinding with Abrasive Belt. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 513-524
19	Zhou, Q. H.; Zhu, X. Y.; Sun, J. M. & Li, J.	Control of Welding Residual Stress and Deformation for the Rod Support of a Crane	Tower Crane, Welding, Residual Stress, Numerical Simulation, Deformation	21, 3, 501-512	10.2507/IJSIMM21-3-CO12	Zhou Q. H., Zhu X. Y., Sun J. M., Li J. (2022). Control of Welding Residual Stress and Deformation for the Rod Support of a Crane. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 501-512
20	Yan, L. X.; Jia, L.; Guo, J. H. & Lu, S.	A Simulation Study on the Identification of Eco-Driving Behaviour	Eco-Driving, Driving Behaviour, Time Series Segmentation, Piecewise Linear Representation, Random Forest	21, 3, 489-500	10.2507/IJSIMM21-3-CO11	Yan L. X., Jia L., Guo J. H., Lu S. (2022). A Simulation Study on the Identification of Eco-Driving Behaviour. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 489-500
21	Liu, M. L.; Yao, X. Z.; Huang, J. Y. & Zhang, C.	Optimization of Unmanned Vehicle Scheduling and Order Allocation	Unmanned Vehicle, Vehicle Scheduling, Order Allocation, Improved Genetic Algorithm	21, 3, 477-488	10.2507/IJSIMM21-3-613	Liu M. L., Yao X. Z., Huang J. Y., Zhang C. (2022). Optimization of Unmanned Vehicle Scheduling and Order Allocation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 477-488
22	Grznar, P.; Gregor, M.; Gola, A.; Nielsen, I.; Mozol, S. & Seliga, V.	Quick Workplace Analysis Using Simulation	Workplace Analysis, Computer Simulation, Object-Oriented Modelling, TX Plant Simulation	21, 3, 465-476	10.2507/IJSIMM21-3-612	Grznar P., Gregor M., Gola A., Nielsen I., Mozol S., Seliga V. (2022). Quick Workplace Analysis Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 465-476
23	Xi, W.; Lu, W. G.; Wang, C. & Liu, J. F.	Analysis of Pumping Station Inlet Characteristics Based on Vorticity	Pump Station Engineering, Side-Pump Sump, Vorticity, Adherent Vortex	21, 3, 453-464	10.2507/IJSIMM21-3-610	Xi W., Lu W. G., Wang C., Liu J. F. (2022). Analysis of Pumping Station Inlet Characteristics Based on Vorticity. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 453-464
24	Ordu, M.	A Simulation-Based Decision-Making Approach to Evaluate the Returns on Investments	Simulation, System Dynamics, Engineering Economy, Decision Support System, Individual Pension System, Pension Plans	21, 3, 441-452	10.2507/IJSIMM21-3-609	Ordu M. (2022). A Simulation-Based Decision-Making Approach to Evaluate the Returns on Investments. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 441-452
25	Ibrahim, N.; Hassan, F. H.; Ab Wahab, M. N. & Letchmunan, S.	Emergency Route Planning with the Shortest Path Methods: Static and Dynamic Obstacles	Emergency Route Plan, Shortest Path, Pedestrian Simulation, Pedestrian Evacuation, Pythagorean Theorem, Dijkstra's Algorithm	21, 3, 429-440	10.2507/IJSIMM21-3-608	Ibrahim N., Hassan F. H., Ab Wahab M. N., Letchmunan S. (2022). Emergency Route Planning with the Shortest Path Methods: Static and Dynamic Obstacles. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 429-440
26	Vukelic, D.; Prica, M.; Ivanov, V.; Jovicic, G.; Budak, I. & Luzanin, O.	Optimization of Surface Roughness Based on Turning Parameters and Insert Geometry	Surface Roughness, Turning Parameters, Insert Geometry, Modelling, Optimization	21, 3, 417-428	10.2507/IJSIMM21-3-607	Vukelic D., Prica M., Ivanov V., Jovicic G., Budak I., Luzanin O. (2022). Optimization of Surface Roughness Based on Turning Parameters and Insert Geometry. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 417-428
27	Thomas, S. K.; Ali, A.; AlArjani, A. & Attia, E.-A.	Simulation Based Performance Improvement: a Case Study on Automotive Industries	Automotive Industry, Performance Improvement, Project Charter, Discrete Event Simulation, Arena Simulation, Design of Experiment, Root Cause An.	21, 3, 405-416	10.2507/IJSIMM21-3-606	Thomas S. K., Ali A., AlArjani A., Attia E.-A. (2022). Simulation Based Performance Improvement: a Case Study on Automotive Industries. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 405-416

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28	Oliveira, M. S.; Leal, F.; Pereira, T. F. & Montevechi, J. A. B.	Facilitated Discrete Event Simulation for Industrial Processes: a Critical Analysis	Facilitated Modelling, Small and Medium Enterprises, Soft Operational Research, Facilitated Simulation Modelling	21, 3, 395-404	10.2507/IJSIMM21-3-604	Oliveira M. S., Leal F., Pereira T. F., Montevechi J. A. B. (2022). Facilitated Discrete Event Simulation for Industrial Processes: a Critical Analysis. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 395-404
29	Rasovic, N.; Cekic, A. & Kaljun, J.	Design and Simulation of the Controlled Failure of Custom-Built Rigid Shaft Coupling	Shaft Coupling, Design, Dimensioning, Fatigue, Simulation, Custom Design	21, 3, 383-394	10.2507/IJSIMM21-3-596	Rasovic N., Cekic A., Kaljun J. (2022). Design and Simulation of the Controlled Failure of Custom-Built Rigid Shaft Coupling. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 383-394
30	Yang, S. Y. & Tan, C.	Blockchain-Based Collaborative Management of Job Shop Supply Chain	Blockchain, Production Materials, Supply Chain, Collaborative Management	21, 2, 364-374	10.2507/IJSIMM21-2-CO10	Yang S. Y., Tan C. (2022). Blockchain-Based Collaborative Management of Job Shop Supply Chain. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 364-374
31	Zhou, M. X. & Li, X.	Low-Carbon Production Control and Resource Allocation Optimization	Integrated Simulation, Low-Carbon Production, Production Control, Resource Allocation	21, 2, 352-363	10.2507/IJSIMM21-2-CO9	Zhou M. X., Li X. (2022). Low-Carbon Production Control and Resource Allocation Optimization. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 352-363
32	Liu, Z. H.; Wu, J. F.; Hu, T. & Xu, Y. L.	Numerical Analysis on Multiphase Flow in Near-Wall and Near-Bottom Areas	Multiphase Flow, Spiral Ribbon-Frame Combined Paddle, Near-Wall Area, Near-Bottom Area, Flow Mechanism	21, 2, 341-351	10.2507/IJSIMM21-2-CO8	Liu Z. H., Wu J. F., Hu T., Xu Y. L. (2022). Numerical Analysis on Multiphase Flow in Near-Wall and Near-Bottom Areas. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 341-351
33	Yu, Y. X.; Huang, Y.; Geng, H. H. & Cha, L. L.	Process Parameters Optimisation for Spring Seat Based on Response Surface Methodology	Spring Seat, Multistep Stamping Process, Simulation Modelling, Response Surface Methodology (RSM), Stamping Test	21, 2, 332-340	10.2507/IJSIMM21-2-CO7	Yu Y. X., Huang Y., Geng H. H., Cha L. L. (2022). Process Parameters Optimisation for Spring Seat Based on Response Surface Methodology. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 332-340
34	Yang, L.; Yang, B.; Yang, G. W.; Xiao, S. N.; Zhu, T. & Wang, F.	Fatigue-Life Evaluation Method for Ring-Welded Joints	Ring-Welded Joints, ΔS–N Curve, Fa–N Curve, Finite Element Simulation, Fatigue Evaluation	21, 2, 320-331	10.2507/IJSIMM21-2-CO6	Yang L., Yang B., Yang G. W., Xiao S. N., Zhu T., Wang F. (2022). Fatigue-Life Evaluation Method for Ring-Welded Joints. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 320-331
35	Puskar, M.; Kopas, M.; Soltesova, M. & Tarbajovsky, P.	Simulation Model of Advanced System for Application of Sustainable Fuels	Simulation Model, Advanced System, Sustainability, Biofuel, Combustion	21, 2, 308-319	10.2507/IJSIMM21-2-611	Puskar M., Kopas M., Soltesova M., Tarbajovsky P. (2022). Simulation Model of Advanced System for Application of Sustainable Fuels. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 308-319
36	Shi, H. X.; Meng, J.; Li, Y.; Zhang, H. Z.; Wang, F. & Xu, W.	Effects of Fitting Error on the Hydraulic Performance of Bionic Hydrofoils	Bionic Hydrofoil, B-Spline, Local Refinement, Transient Cavitation Flow	21, 2, 296-307	10.2507/IJSIMM21-2-605	Shi H. X., Meng J., Li Y., Zhang H. Z., Wang F., Xu W. (2022). Effects of Fitting Error on the Hydraulic Performance of Bionic Hydrofoils. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 296-307
37	Jiang, S. B.; Huang, S.; Zeng, Q. L.; Wang, C. L.; Gao, K. D. & Zhang, Y. Q.	Dynamic Properties of Chain Drive System Considering Multiple Impact Factors	Scraper Conveyor, Dynamic Property, Impact Load, Joint Simulation	21, 2, 284-295	10.2507/IJSIMM21-2-603	Jiang S. B., Huang S., Zeng Q. L., Wang C. L., Gao K. D., Zhang Y. Q. (2022). Dynamic Properties of Chain Drive System Considering Multiple Impact Factors. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 284-295
38	Uncu, N.	Load Balancing in Polling Systems under Different Policies via Simulation Optimization	Multi-Class Queues, Polling Systems, Routing, Simulation	21, 2, 273-283	10.2507/IJSIMM21-2-602	Uncu N. (2022). Load Balancing in Polling Systems under Different Policies via Simulation Optimization. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 273-283
39	Guo, X. Y.; Zeng, Z.; Li, M. X. & Fu, S.	Simulation of Aircraft Cabin Evacuation Strategy Based on Exit Flow Equilibrium	Cabin Evacuation, Exit Flow Equalization, Evacuation Sequence, Evacuation Efficiency	21, 2, 261-272	10.2507/IJSIMM21-2-601	Guo X. Y., Zeng Z., Li M. X., Fu S. (2022). Simulation of Aircraft Cabin Evacuation Strategy Based on Exit Flow Equilibrium. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 261-272
40	Pezdevsek, M.; Kevorkijan, L. & Bilus, I.	Cavitation Erosion Modelling – Comparison of Two Solid Angle Projection Approaches	Cavitation, Erosion, Solid Angle, Numerical Simulation	21, 2, 249-260	10.2507/IJSIMM21-2-600	Pezdevsek M., Kevorkijan L., Bilus I. (2022). Cavitation Erosion Modelling – Comparison of Two Solid Angle Projection Approaches. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 249-260
41	Lopes, H.; Silva, S. P. & Machado, J.	FEA Approach for Predicting the Dynamic Behaviour of Cork-Rubber Composites	Cork-Rubber Composites, Dynamic Compression, Dynamic Stiffness, FEA, Natural Frequency, Shape Factor	21, 2, 237-248	10.2507/IJSIMM21-2-599	Lopes H., Silva S. P., Machado J. (2022). FEA Approach for Predicting the Dynamic Behaviour of Cork-Rubber Composites. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 237-248
42	Daneshjo, N.; Mares, A.; Malega, P. & Francova, Z.	CAD Model of Rear-View Mirror and Simulation of Its Aerodynamics and Noise	Rear-View Mirror, CAD Modelling, Airflow, Simulation, Noise, Aerodynamics	21, 2, 226-236	10.2507/IJSIMM21-2-598	Daneshjo N., Mares A., Malega P., Francova Z. (2022). CAD Model of Rear-View Mirror and Simulation of Its Aerodynamics and Noise. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 226-236
43	Straka, M.; Sofranko, M.; Glova Vegsoova, O. & Kovalcik, J.	Simulation of Homogeneous Production Processes	Homogeneous Production Processes, Manufacturing Logistics, Streamlining the Mining Industry, Simulation, ExtendSim, System	21, 2, 214-225	10.2507/IJSIMM21-2-597	Straka M., Sofranko M., Glova Vegsoova O., Kovalcik J. (2022). Simulation of Homogeneous Production Processes. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 214-225
44	Rodrigues, M. V. T.; Sirova, E. & Dyntar, J.	Maintenance Scheduling of Heating Networks Using Simulation in Witness	Preventive Maintenance, Maintenance Scheduling, Vehicle Routing, Discrete-Event Simulation, Witness	21, 2, 203-213	10.2507/IJSIMM21-2-590	Rodrigues M. V. T., Sirova E., Dyntar J. (2022). Maintenance Scheduling of Heating Networks Using Simulation in Witness. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 203-213
45	Wang, Z. J. & Suo, J.	Optimization of Flexible Production Logistics under Low Carbon Constraint	Carbon Efficiency, Flexible Production Logistics, Low Carbon Constraint, Linear Programming	21, 1, 184-195	10.2507/IJSIMM21-1-CO5	Wang Z. J., Suo J. (2022). Optimization of Flexible Production Logistics under Low Carbon Constraint. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 184-195
46	Zhang, L. Y.; Duan, X. K.; Ma, J.; Zhang, M.; Wen, Y. & Wang, Y.	Mechanism of Road Capacity under Different Penetration Scenarios of Autonomous Vehicles	Autonomous Vehicles; Road Capacity, Mixed Traffic Flow, SUMO, Penetration Rate	21, 1, 172-183	10.2507/IJSIMM21-1-CO4	Zhang L. Y., Duan X. K., Ma J., Zhang M., Wen Y., Wang Y. (2022). Mechanism of Road Capacity under Different Penetration Scenarios of Autonomous Vehicles. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 172-183

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47	Xu, N.; Hou, X. Y. & Jia, N.	Optimization of Multi-Stage Production Scheduling of Automated Production	Automated Production, Multi-Stage Production, Production Scheduling	21, 1, 160-171	10.2507/IJSIMM21-1-CO3	Xu N., Hou X. Y., Jia N. (2022). Optimization of Multi-Stage Production Scheduling of Automated Production. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 160-171
48	Sun, J.; Liu, S. F.; Zhang, X. H. & Gong, D. Q.	Simulation-Based Modelling of the Impact of Ridesharing on Urban System	Ride-Hailing, Ridesharing, Agent-Based Model, Simulation	21, 1, 148-159	10.2507/IJSIMM21-1-CO2	Sun J., Liu S. F., Zhang X. H., Gong D. Q. (2022). Simulation-Based Modelling of the Impact of Ridesharing on Urban System. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 148-159
49	Huang, Z. & Yang, J. J.	A New Model for Optimization of Cell Scheduling Considering Inter-Cell Movement	Inter-Cell Scheduling, Harmony Search, Cell Scheduling Sequence, Adaptive Neuro-Fuzzy Inference System, Extended Disjunctive Graph	21, 1, 136-147	10.2507/IJSIMM21-1-CO1	Huang Z., Yang J. J. (2022). A New Model for Optimization of Cell Scheduling Considering Inter-Cell Movement. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 136-147
50	Wang, S. R. & Huang, Q.	A Hybrid Code Genetic Algorithm for VRP in Public-Private Emergency Collaborations	Emergency Logistics, Vehicle Routing Problem, Genetic Algorithm, Health Emergencies	21, 1, 124-135	10.2507/IJSIMM21-1-595	Wang S. R., Huang Q. (2022). A Hybrid Code Genetic Algorithm for VRP in Public-Private Emergency Collaborations. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 124-135
51	Kovacic, B.; Mursec, L. & Lubej, S.	Synchronisation of Contactless Vibration Monitoring Methods	Model Synchronisation, Displacement Simulation, Geodetic Measurements, Physical Measurements	21, 1, 113-123	10.2507/IJSIMM21-1-594	Kovacic B., Mursec L., Lubej S. (2022). Synchronisation of Contactless Vibration Monitoring Methods. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 113-123
52	Pekarcikova, M.; Trebuna, P.; Kliment, M. & Schmacher, B. A. K.	Milk Run Testing through Tecnomatix Plant Simulation Software	Milk Run, Logistics, Model, Simulation, Lean Production	21, 1, 101-112	10.2507/IJSIMM21-1-593	Pekarcikova M., Trebuna P., Kliment M., Schmacher B. A. K. (2022). Milk Run Testing through Tecnomatix Plant Simulation Software. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 101-112
53	Fu, S.; Guo, X. Y.; Dong, L. H.; Sheng, K. & Sun, A.	Numerical Simulation of Migration Laws of Dense Particle Flow in Pipelines	Dense Discrete Phase Model, Pipelines, Dense Particle Flow, Numerical Simulation	21, 1, 89-100	10.2507/IJSIMM21-1-592	Fu S., Guo X. Y., Dong L. H., Sheng K., Sun A. (2022). Numerical Simulation of Migration Laws of Dense Particle Flow in Pipelines. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 89-100
54	Tanasic, Z.; Janjic, G.; Sokovic, M. & Kusar, J.	Implementation of the Lean Concept and Simulations in SMEs – a Case Study	Lean Concept, Lean Methods and Tools, SMEs, VSM, Simulation, Wastes of Assembly Line	21, 1, 77-88	10.2507/IJSIMM21-1-589	Tanasic Z., Janjic G., Sokovic M., Kusar J. (2022). Implementation of the Lean Concept and Simulations in SMEs – a Case Study. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 77-88
55	Wang, T.; Zhang, X.; Zeng, Q. L.; Jiang, S. B. & Zhang, Y. N.	Modelling and Simulation on Cavity Cold Plate for Li-Ion Battery Thermal Management	Cold Plate Modelling, Thermal Simulation, Battery Thermal Management, CFD	21, 1, 65-76	10.2507/IJSIMM21-1-588	Wang T., Zhang X., Zeng Q. L., Jiang S. B., Zhang Y. N. (2022). Modelling and Simulation on Cavity Cold Plate for Li-Ion Battery Thermal Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 65-76
56	Kara, S.; Hizal, S. & Zengin, A.	Design and Implementation of a DEVS-Based Cyber-Attack Simulator for Cyber Security	Modelling and Simulation, Discrete Event Simulation, Cyber Security, Cyber-Attack Experiments, Network Testing Environments	21, 1, 53-64	10.2507/IJSIMM21-1-587	Kara S., Hizal S., Zengin A. (2022). Design and Implementation of a DEVS-Based Cyber-Attack Simulator for Cyber Security. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 53-64
57	Stefek, A.; Casar, J.; Stary, V. & Gacho, L.	Coupling of ODE and DES Models for Simulation of Air Defence in War-Gaming Experiment	Modelling and Simulation, Flight Route, War-Gaming, Optimal Track, Air Defence, Command and Control	21, 1, 41-52	10.2507/IJSIMM21-1-586	Stefek A., Casar J., Stary V., Gacho L. (2022). Coupling of ODE and DES Models for Simulation of Air Defence in War-Gaming Experiment. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 41-52
58	Lindegren, M. L.; Lunau, M. R.; Mafia, M. M. P. & Ribeiro da Silva, E.	Combining Simulation and Data Analytics for OEE Improvement	Discrete Event Simulation, Data Analytics, OEE, Improvement, Industry 4.0	21, 1, 29-40	10.2507/IJSIMM21-1-584	Lindegren M. L., Lunau M. R., Mafia M. M. P., Ribeiro da Silva E. (2022). Combining Simulation and Data Analytics for OEE Improvement. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 29-40
59	Cam, S.; Oguztuzun, H. & Yilmaz, L.	Hypothesis-Driven Simulation Experiments with an Extension to SED-ML	Design of Experiments, Simulation Experiment Description Markup Language, Global Model Management, Signal Temporal Logic	21, 1, 17-28	10.2507/IJSIMM21-1-583	Cam S., Oguztuzun H., Yilmaz L. (2022). Hypothesis-Driven Simulation Experiments with an Extension to SED-ML. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 17-28
60	Jemmali, M.; Hidri, L. & Alourani, A.	Two-Stage Hybrid Flowshop Scheduling Problem with Independent Setup Times	Two-Stage Hybrid Flowshop, Independent Setup Times, Genetic Algorithm, Heuristics, Lower Bounds	21, 1, 5-16	10.2507/IJSIMM21-1-577	Jemmali M., Hidri L., Alourani A. (2022). Two-Stage Hybrid Flowshop Scheduling Problem with Independent Setup Times. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 5-16
1	Meng, J. L.	Demand Prediction and Allocation Optimization of Manufacturing Resources	Intelligent Manufacturing, Allocation Optimization, Demand Prediction, Production and Manufacturing (P-M) Resources	20, 4, 790-801	10.2507/IJSIMM20-4-CO20	Meng J. L. (2021). Demand Prediction and Allocation Optimization of Manufacturing Resources. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 790-801
2	Wang, M.	Manufacturing Capacity Evaluation of Smart Job-Shop Based on Neural Network	Smart Job-Shop, Manufacturing Capacity, Backpropagation Neural Network (BPNN), Firefly Algorithm, Sparrow Search Algorithm (SSA)	20, 4, 778-789	10.2507/IJSIMM20-4-CO19	Wang M. (2021). Manufacturing Capacity Evaluation of Smart Job-Shop Based on Neural Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 778-789
3	Meng, Z. S.; Zhang, J. M.; Xie, Y. Y.; Lu, Z. G. & Zeng, Q. L.	Analysis of the Force Response of a Double-Canopy Hydraulic Support under Impact Loads	Hydraulic Support, Impact Load, Force Response, Double-Canopy	20, 4, 766-777	10.2507/IJSIMM20-4-CO18	Meng Z. S., Zhang J. M., Xie Y. Y., Lu Z. G., Zeng Q. L. (2021). Analysis of the Force Response of a Double-Canopy Hydraulic Support under Impact Loads. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 766-777
4	Liu, J.-Y.; Liu, S.-F. & Gong, D.-Q.	Electric Vehicle Charging Station Layout Based on Particle Swarm Simulation	Electric Car, Charging Station Layout, Simulation, PSO	20, 4, 754-765	10.2507/IJSIMM20-4-CO17	Liu J.-Y., Liu S.-F., Gong D.-Q. (2021). Electric Vehicle Charging Station Layout Based on Particle Swarm Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 754-765
5	Ouyang, K. M. & Liu, S. F.	A Simulation Method for Rail Transit Sign Optimization	Urban Rail Transit, Guidance Sign, Layout Optimization, Simulation	20, 4, 742-753	10.2507/IJSIMM20-4-CO16	Ouyang K. M., Liu S. F. (2021). A Simulation Method for Rail Transit Sign Optimization. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 742-753

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6	Huang, J. H.; Sun, M. G. & Cheng, Q.	Congestion Risk Propagation Model Based on Multi-Layer Time-Varying Network	Urban Traffic, Congestion Propagation Analysis, Microscopic Markov Chain, Traffic Information, Group Behavioural Characteristics of Drivers	20, 4, 730-741	10.2507/IJSIMM20-4-585	Huang J. H., Sun M. G., Cheng Q. (2021). Congestion Risk Propagation Model Based on Multi-Layer Time-Varying Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 730-741
7	Gajsek, B.; Dukic, G.; Kovacic, M. & Brezocnik, M.	A Multi-Objective Genetic Algorithms Approach for Modelling of Order Picking	Order Picking, Productivity, Energy Expenditure, Health Risk, Modelling and Optimization, Genetic Algorithm	20, 4, 719-729	10.2507/IJSIMM20-4-582	Gajsek B., Dukic G., Kovacic M., Brezocnik M. (2021). A Multi-Objective Genetic Algorithms Approach for Modelling of Order Picking. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 719-729
8	Ma, X. Y.; Lin, Y. & Ma, Q. W.	Data-Driven Robust Model for Container Slot Allocation with Uncertain Demand	Copula Method, Data-Driven, Robust Optimization, Container Slot Allocation	20, 4, 707-718	10.2507/IJSIMM20-4-581	Ma X. Y., Lin Y., Ma Q. W. (2021). Data-Driven Robust Model for Container Slot Allocation with Uncertain Demand. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 707-718
9	Ray, T.; Kaljun, J. & Dolsak, B.	Numerical Model Application to Predict the Sound Quality of an Instrument	Numerical Analysis, Simulation, Electric Guitar, Wooden Solid Body, Vibroacoustic Properties	20, 4, 696-706	10.2507/IJSIMM20-4-580	Ray T., Kaljun J., Dolsak B. (2021). Numerical Model Application to Predict the Sound Quality of an Instrument. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 696-706
10	Shi, H. X.; Meng, J. & Li, Y.	Numerical Simulation of Coarse Particle Two-Phase Flow in Two-Stage Vortex Pump	Vortex Pump, Two-Phase Flow, Particle Diameter, Particle Concentration	20, 4, 684-695	10.2507/IJSIMM20-4-579	Shi H. X., Meng J., Li Y. (2021). Numerical Simulation of Coarse Particle Two-Phase Flow in Two-Stage Vortex Pump. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 684-695
11	Ojstersek, R. & Buchmeister, B.	Simulation Based Resource Capacity Planning with Constraints	Simulation Modelling, Mathematical Modelling, Resource Capacity Planning, Constraints Theory, Decision-Making Algorithm	20, 4, 672-683	10.2507/IJSIMM20-4-578	Ojstersek R., Buchmeister B. (2021). Simulation Based Resource Capacity Planning with Constraints. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 672-683
12	Kim, B. S.; Kim, T. G. & Choi, S. H.	CoDEVS: an Extension of DEVS for Integration of Simulation and Machine Learning	DEVS Formalism, Cooperative DEVS (CoDEVS), Machine Learning, Data Modelling, Simulation Modelling	20, 4, 661-671	10.2507/IJSIMM20-4-576	Kim B. S., Kim T. G., Choi S. H. (2021). CoDEVS: an Extension of DEVS for Integration of Simulation and Machine Learning. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 661-671
13	Kallakuri, R. & Bahuguna, P. C.	Role of Operator Training Simulators in Hydrocarbon Industry – a Review	Operator Training Simulator, Simulator Configuration, Human Error, Training Transfer	20, 4, 649-660	10.2507/IJSIMM20-4-575	Kallakuri R., Bahuguna P. C. (2021). Role of Operator Training Simulators in Hydrocarbon Industry – a Review. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 649-660
14	Masovic, R.; Breski, T.; Cular, I.; Vuckovic, K. & Zezelj, D.	Numerical Model for Worm Gear Pair Inspection Based on 3D Scanned Data	Gear Inspection, Worm Gear Pair, Worm Wheel, Transmission Error, 3D Optical Scan, Contact Pattern	20, 4, 637-648	10.2507/IJSIMM20-4-573	Masovic R., Breski T., Cular I., Vuckovic K., Zezelj D. (2021). Numerical Model for Worm Gear Pair Inspection Based on 3D Scanned Data. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 637-648
15	Filaretov, V. F.; Konoplin, A. Y.; Zuev, A. V. & Krasavin, N. A.	A Method to Synthesize High-Precision Motion Control Systems for Underwater Manipulator	Underwater Multi-Joint Manipulator, Underwater Vehicle, Identification, High-Precision, Observer	20, 4, 625-636	10.2507/IJSIMM20-4-571	Filaretov V. F., Konoplin A. Y., Zuev A. V., Krasavin N. A. (2021). A Method to Synthesize High-Precision Motion Control Systems for Underwater Manipulator. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 625-636
16	Wang, N.; Li, X. J. & Nie, H.	Digital Production Control of Manufacturing Workshop Based on Internet of Things	Internet of Things (IoT), Digital Production, Production Control, Manufacturing Workshop	20, 3, 606-617	10.2507/IJSIMM20-3-CO15	Wang N., Li X. J., Nie H. (2021). Digital Production Control of Manufacturing Workshop Based on Internet of Things. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 606-617
17	Dai, Y.; Zhang, Y. Y.; Bian, J. N.; Han, K.; Zhu, X.; Huang, Z. H. & Xie, Y.	CFD Simulation on Hydrodynamics of Underwater Vehicle with Ducted Propellers	Underwater Vehicle, Ducted Propeller, Hydrodynamics Characteristics, CFD Simulation, Test Verification	20, 3, 595-605	10.2507/IJSIMM20-3-CO14	Dai Y., Zhang Y. Y., Bian J. N., Han K., Zhu X., Huang Z. H., Xie Y. (2021). CFD Simulation on Hydrodynamics of Underwater Vehicle with Ducted Propellers. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 595-605
18	Li, W.; Miao, L. & Yang, P.	Simulation Analysis of Robotic Mobile Fulfilment System Based on Cellular Automata	Robotic Mobile Fulfilment System (RMFS), Warehouse Performance, Cellular Automaton Model, Simulation	20, 3, 583-594	10.2507/IJSIMM20-3-CO13	Li W., Miao L., Yang P. (2021). Simulation Analysis of Robotic Mobile Fulfilment System Based on Cellular Automata. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 583-594
19	Chen, D. & Zhao, X. R.	Production Management of Hybrid Flow Shop Based on Genetic Algorithm	Genetic Algorithm (GA), Hybrid Flow Shop (HFS), Production Management	20, 3, 571-582	10.2507/IJSIMM20-3-CO12	Chen D., Zhao X. R. (2021). Production Management of Hybrid Flow Shop Based on Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 571-582
20	Qian, S.; Bai, Z. H.; Hu, W. T.; Lin, W.; Wang, T. L. & Zhang, J. S.	Design and Key Process Simulation of a New Type of Pipe Bending Unit	New-Type Pipe Bending Unit, Finite Element Model, Clearance, Surface Friction, Push-Bending Speed	20, 3, 559-570	10.2507/IJSIMM20-3-574	Qian S., Bai Z. H., Hu W. T., Lin W., Wang T. L., Zhang J. S. (2021). Design and Key Process Simulation of a New Type of Pipe Bending Unit. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 559-570
21	Wang, D. L.; Zeng, X. T.; Wang, G. F. & Li, R.	Stability of a Face Guard in a Large Mining Height Working Face	Coal Wall Spalling, Hydraulic Support, Face Guard Mechanism, Coupling Relationship	20, 3, 547-558	10.2507/IJSIMM20-3-572	Wang D. L., Zeng X. T., Wang G. F., Li R. (2021). Stability of a Face Guard in a Large Mining Height Working Face. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 547-558
22	Strachotova, D. & Dyntar, J.	Support of Scheduling of Multiproduct Pipeline Systems Using Simulation in Witness	Logistics, Scheduling, Pipeline System, Discrete-Event Simulation, Witness	20, 3, 536-546	10.2507/IJSIMM20-3-570	Strachotova D., Dyntar J. (2021). Support of Scheduling of Multiproduct Pipeline Systems Using Simulation in Witness. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 536-546
23	Chen, F. Y.; Cheng, L.; Wang, C.; Gao, Z. & Luo, C.	Influence of the Inclined Pipe Section on the Performance of a Waterjet Propulsion Device	Waterjet Propulsion Device, Length of Inlet Passage, Rotational Speed, Hydrodynamic	20, 3, 525-535	10.2507/IJSIMM20-3-569	Chen F. Y., Cheng L., Wang C., Gao Z., Luo C. (2021). Influence of the Inclined Pipe Section on the Performance of a Waterjet Propulsion Device. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 525-535
24	Ambrozkiewicz, B.; Litak, G.; Georgiadis, A.; Syta, A.; Meier, N. & Gassner, A.	Effect of Radial Clearance on Ball Bearing's Dynamics Using a 2-DOF Model	Ball Bearings, Radial Internal Clearance, Nonlinear Dynamics, Recurrence Plots, Recurrence Quantification Analysis	20, 3, 513-524	10.2507/IJSIMM20-3-568	Ambrozkiewicz B., Litak G., Georgiadis A., Syta A., Meier N., Gassner A. (2021). Effect of Radial Clearance on Ball Bearing's Dynamics Using a 2-DOF Model. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 513-524

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25	Straka, M.; Spirkova, D. & Filla, M.	Improved Efficiency of Manufacturing Logistics by Using Computer Simulation	Efficiency, Logistics, Simulation, Design, ExtendSim, System	20, 3, 501-512	10.2507/IJSIMM20-3-567	Straka M., Spirkova D., Filla M. (2021). Improved Efficiency of Manufacturing Logistics by Using Computer Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 501-512
26	Kilic, R. & Erkayman, B.	A Simulation Approach for Transition to JIT Production System	Discrete Event Simulation (DES), Just-in-Time (JIT), Lean Manufacturing, Production Line Efficiency, Solar Panel Production	20, 3, 489-500	10.2507/IJSIMM20-3-566	Kilic R., Erkayman B. (2021). A Simulation Approach for Transition to JIT Production System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 489-500
27	Choi, S. H. & Kim, B. S.	A Robust Method for Identifying the Best and Worst Subsets in Stochastic Simulation	Stochastic Simulation, Simulation Experiments, Best and Worst Subsets, Simulation Budget Allocation, Robustness	20, 3, 477-488	10.2507/IJSIMM20-3-565	Choi S. H., Kim B. S. (2021). A Robust Method for Identifying the Best and Worst Subsets in Stochastic Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 477-488
28	Deniz, E.; Tuncel, G.; Yalcinkaya, O. & Esmer, S.	Simulation of Multi-Crane Single and Dual Cycling Strategies in a Container Terminal	Terminal Operations, Quay Crane, Dual Cycling, Simulation	20, 3, 465-476	10.2507/IJSIMM20-3-559	Deniz E., Tuncel G., Yalcinkaya O., Esmer S. (2021). Simulation of Multi-Crane Single and Dual Cycling Strategies in a Container Terminal. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 465-476
29	Lu, Q. & Tettamanti, T.	Impacts of Connected and Automated Vehicles on Freeway with Increased Speed Limit	CAV Penetration, Time Headway, Speed Limit, Freeway Capacity, Fuel Consumption, Emission	20, 3, 453-464	10.2507/IJSIMM20-3-556	Lu Q., Tettamanti T. (2021). Impacts of Connected and Automated Vehicles on Freeway with Increased Speed Limit. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 453-464
30	Grznar, P.; Gregor, M.; Gaso, M.; Gabajova, G.; Schickerle, M. & Burganova, N.	Dynamic Simulation Tool for Planning and Optimisation of Supply Process	Modelling and Simulation, Optimisation of the Supply Process, Automated Guided Vehicle, Automotive Industry	20, 3, 441-452	10.2507/IJSIMM20-3-552	Grznar P., Gregor M., Gaso M., Gabajova G., Schickerle M., Burganova N. (2021). Dynamic Simulation Tool for Planning and Optimisation of Supply Process. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 441-452
31	Mao, C. L.	Production Management of Multi-Objective Flexible Job-Shop Based on Improved PSO	Multi-Objective Flexible Job-Shop Production Management, Improved Particle Swarm Optimization (PSO), Dynamic Response	20, 2, 422-433	10.2507/IJSIMM20-2-CO11	Mao C. L. (2021). Production Management of Multi-Objective Flexible Job-Shop Based on Improved PSO. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 422-433
32	Zhao, Y. & Zhang, H.	Application of Machine Learning and Rule Scheduling in a Job-Shop Production Control System	Deep Reinforcement Learning, Rule Scheduling, Job-Shop, Production Control	20, 2, 410-421	10.2507/IJSIMM20-2-CO10	Zhao Y., Zhang H. (2021). Application of Machine Learning and Rule Scheduling in a Job-Shop Production Control System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 410-421
33	Wang, X. L.	Game-Based Hybrid Particle Swarm Optimization of Job-Shop Production Control	Game-Based Hybrid Particle Swarm Optimization (GBHPSO), Production Control, Product Utility	20, 2, 398-409	10.2507/IJSIMM20-2-CO9	Wang X. L. (2021). Game-Based Hybrid Particle Swarm Optimization of Job-Shop Production Control. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 398-409
34	Wang, F.	Multi-Scenario Simulation of Subway Emergency Evacuation Based on Multi-Agent	Multi-Agent, Subway Emergency Evacuation, Simulation	20, 2, 387-397	10.2507/IJSIMM20-2-CO8	Wang F. (2021). Multi-Scenario Simulation of Subway Emergency Evacuation Based on Multi-Agent. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 387-397
35	Han, B. A. & Yang, J. J.	A Deep Reinforcement Learning Based Solution for Flexible Job Shop Scheduling Problem	Flexible Job Shop Scheduling Problem (FJSP), Deep Reinforcement Learning (DRL), End-to-End, Pointer Network, Attention Mechanism, 3D Disjunctive Graph	20, 2, 375-386	10.2507/IJSIMM20-2-CO7	Han B. A., Yang J. J. (2021). A Deep Reinforcement Learning Based Solution for Flexible Job Shop Scheduling Problem. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 375-386
36	Yin, M.; Xu, L. J.; Dai, Y.; Yang, D. & Zhu, X.	Flow Characteristics of Oil-Guiding Splash Lubrication: Simulation and Experiment Studies	Splash Lubrication, Computational Fluid Dynamics, Forced Vortex, Main Reducer, Oil-Guiding Cylinder	20, 2, 363-374	10.2507/IJSIMM20-2-CO6	Yin M., Xu L. J., Dai Y., Yang D., Zhu X. (2021). Flow Characteristics of Oil-Guiding Splash Lubrication: Simulation and Experiment Studies. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 363-374
37	Liu, M. L.; Zhang, C.; Wu, Q. L. & Meng, B. R.	Vehicle Routing Problem with Soft Time Windows of Cargo Transport O2O Platforms	Cargo Transport O2O, Vehicle Routing Problem, Soft Time Window, Improved Genetic Algorithm	20, 2, 351-362	10.2507/IJSIMM20-2-564	Liu M. L., Zhang C., Wu Q. L., Meng B. R. (2021). Vehicle Routing Problem with Soft Time Windows of Cargo Transport O2O Platforms. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 351-362
38	Lipus, L. C.; Budzyn, G. & Acko, B.	Analysis of Laser Interferometer Measurement Uncertainty by Simulating Error Sources	Laser Interferometry, Measurement Uncertainty, Simulation, Calibration	20, 2, 339-350	10.2507/IJSIMM20-2-563	Lipus L. C., Budzyn G., Acko B. (2021). Analysis of Laser Interferometer Measurement Uncertainty by Simulating Error Sources. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 339-350
39	Xi, W. & Lu, W. G.	Formation Mechanism of an Adherent Vortex in the Side Pump Sump of a Pumping Station	Pump Station Engineering, Side Pump Sump, Adherent Vortex	20, 2, 327-338	10.2507/IJSIMM20-2-562	Xi W., Lu W. G. (2021). Formation Mechanism of an Adherent Vortex in the Side Pump Sump of a Pumping Station. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 327-338
40	Calvo Hernandez, A.; Sanz Bobi, J. de D.; Gomez Fernandez, J. & Badolato Martin, A.	Vibration Reduction on Overhead Contact Rails: a Simulation-Optimization Approach	Pantograph-Catenary Interaction, Overhead Contact Rail, Vibration	20, 2, 315-326	10.2507/IJSIMM20-2-561	Calvo Hernandez A., Sanz Bobi J. de D., Gomez Fernandez J., Badolato Martin A. (2021). Vibration Reduction on Overhead Contact Rails: a Simulation-Optimization Approach. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 315-326
41	Curkovic, P. & Cubric, G.	Fused Deposition Modelling for 3D Printing of Soft Anthropomorphic Actuators	Soft Robots, Modelling, Analysis, Fused Deposition Modelling, Anthropomorphic Actuator	20, 2, 303-314	10.2507/IJSIMM20-2-560	Curkovic P., Cubric G. (2021). Fused Deposition Modelling for 3D Printing of Soft Anthropomorphic Actuators. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 303-314
42	Wang, S. R.; Zhao, J. Q.; Wu, X. G.; Yang, J. H. & Liu, A.	Meso-Scale Simulations of Lightweight Aggregate Concrete under Impact Loading	Lightweight Aggregate Concrete, Strain Rate, Energy Dissipation, Simulation, Damage	20, 2, 291-302	10.2507/IJSIMM20-2-558	Wang S. R., Zhao J. Q., Wu X. G., Yang J. H., Liu A. (2021). Meso-Scale Simulations of Lightweight Aggregate Concrete under Impact Loading. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 291-302
43	Janekova, J.; Fabianova, J. & Kadarova, J.	Selection of Optimal Investment Variant Based on Monte Carlo Simulations	Investment, Decision-Making, Monte Carlo Simulation, Risk Assessment	20, 2, 279-290	10.2507/IJSIMM20-2-557	Janekova J., Fabianova J., Kadarova J. (2021). Selection of Optimal Investment Variant Based on Monte Carlo Simulations. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 279-290

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44	Sampayo, D.; Luque, P.; Mantaras, D. A. & Rodriguez, E.	Go-Kart Chassis Design Using Finite Element Analysis and Multibody Dynamic Simulation	Go-Kart, Finite Element Analysis, Multibody Dynamics	20, 2, 267-278	10.2507/IJSIMM20-2-555	Sampayo D., Luque P., Mantaras D. A., Rodriguez E. (2021). Go-Kart Chassis Design Using Finite Element Analysis and Multibody Dynamic Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 267-278
45	Gudelj, M.; Delic, M.; Kuzmanovic, B.; Tesic, Z. & Tasic, N.	Business Process Management Model as an Approach to Process Orientation	Business Process Management, Process Orientation, Operational Management, Model	20, 2, 255-266	10.2507/IJSIMM20-2-554	Gudelj M., Delic M., Kuzmanovic B., Tesic Z., Tasic N. (2021). Business Process Management Model as an Approach to Process Orientation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 255-266
46	Paszkowiak, W.; Bartkowiak, T. & Pelic, M.	Kinematic Model of a Logistic Train with a Double Ackermann Steering System	Logistic Train, Milk-Run, Kinematic Model, Double Ackermann, Tractor-Trailer System, Trajectory Control	20, 2, 243-254	10.2507/IJSIMM20-2-550	Paszkowiak W., Bartkowiak T., Pelic M. (2021). Kinematic Model of a Logistic Train with a Double Ackermann Steering System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 243-254
47	Sotelo, C.; Favela-Contreras, A.; Ramirez-Mendoza, R. A.; Beltran-Carbajal, F.; Cruz, E. & Sotelo, D.	Rigorous Dynamic Simulation of a Dehydration and Desalting Crude Oil Unit Using Aspen HYSYS®	Dehydration Unit, Desalting Unit, Modelling, Simulation, Aspen HYSYS®	20, 2, 231-242	10.2507/IJSIMM20-2-546	Sotelo C., Favela-Contreras A., Ramirez-Mendoza R. A., Beltran-Carbajal F., Cruz E., Sotelo D. (2021). Rigorous Dynamic Simulation of a Dehydration and Desalting Crude Oil Unit Using Aspen HYSYS®. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 231-242
48	Khan, M. A. A. & Sheikh, A. K.	Simulation-Based Mould Design, Life Prediction and Reliability Assessment of a Valve Body	Metal Casting, Mould Design, Simulation, Fatigue Life, Reliability, Optimization	20, 2, 219-230	10.2507/IJSIMM20-2-543	Khan M. A. A., Sheikh A. K. (2021). Simulation-Based Mould Design, Life Prediction and Reliability Assessment of a Valve Body. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 219-230
49	Wei, F. F.; Cao, C. Y. & Zhang, H. P.	An Improved Genetic Algorithm for Resource-Constrained Flexible Job-Shop Scheduling	Multi-Objective Genetic Algorithm (MOGA), Resource Constraints, Flexible Job-Shop	20, 1, 201-211	10.2507/IJSIMM20-1-CO5	Wei F. F., Cao C. Y., Zhang H. P. (2021). An Improved Genetic Algorithm for Resource-Constrained Flexible Job-Shop Scheduling. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 201-211
50	Wu, P. J. & Yang, D.	E-Commerce Workshop Scheduling Based on Deep Learning and Genetic Algorithm	Workshop Scheduling, Genetic Algorithm (GA), Deep Learning Neural Network (DLNN), E-Commerce, Long Short-Term Memory Network (LSTM)	20, 1, 192-200	10.2507/IJSIMM20-1-CO4	Wu P. J., Yang D. (2021). E-Commerce Workshop Scheduling Based on Deep Learning and Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 192-200
51	Wan, Y. M.	Amos-Based Risk Forecast of Manufacturing Supply Chain	Manufacturing Supply Chain, Risk Forecast, Modelling, Amos, Artificial Neural Network (ANN)	20, 1, 181-191	10.2507/IJSIMM20-1-CO3	Wan Y. M. (2021). Amos-Based Risk Forecast of Manufacturing Supply Chain. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 181-191
52	Wang, Y.; Yang, H. Y.; Chen, G. & Jia, Y. J.	Influence of Fit Clearance on the Stability of “Three Oil Film-Rotor” Structure	“Three Oil Film-Rotor” Structure, Fit Clearance, Oil Film Pressure, Oil Film Thickness, Axis Orbit	20, 1, 170-180	10.2507/IJSIMM20-1-CO2	Wang Y., Yang H. Y., Chen G., Jia Y. J. (2021). Influence of Fit Clearance on the Stability of “Three Oil Film-Rotor” Structure. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 170-180
53	Huo, H.; Wang, H. B. & Zhang, D. D.	Production Management and Control Based on Ant Colony Optimization and Neural Network	Ant Colony Optimization (ACO), Neural Network (NN), Discrete Manufacturing, Job-Shop Production Management and Control	20, 1, 158-169	10.2507/IJSIMM20-1-CO1	Huo H., Wang H. B., Zhang D. D. (2021). Production Management and Control Based on Ant Colony Optimization and Neural Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 158-169
54	Vukelic, D.; Kanovic, Z.; Sokac, M.; Santosi, Z.; Budak, I. & Tadic, B.	Modelling of Micro-Turning Process Based on Constant Cutting Force	Micro-Turning, Constant Cutting Force, Artificial Neural Network, Cutting Quality	20, 1, 146-157	10.2507/IJSIMM20-1-553	Vukelic D., Kanovic Z., Sokac M., Santosi Z., Budak I., Tadic B. (2021). Modelling of Micro-Turning Process Based on Constant Cutting Force. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 146-157
55	Pekarcikova, M.; Trebuna, P.; Kliment, M.; Mizerak, M. & Kral, S.	Simulation Testing of the E-Kanban to Increase the Efficiency of Logistics Processes	Logistics, Lean Tools, Simulation, E-Kanban	20, 1, 134-145	10.2507/IJSIMM20-1-551	Pekarcikova M., Trebuna P., Kliment M., Mizerak M., Kral S. (2021). Simulation Testing of the E-Kanban to Increase the Efficiency of Logistics Processes. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 134-145
56	Glamsch, J.; Rosnitschek, T. & Rieg, F.	Initial Population Influence on Hypervolume Convergence of NSGA-III	Evolutionary Algorithm, Multi-Objective Optimization, NSGA-III, Sampling, Initial Population	20, 1, 123-133	10.2507/IJSIMM20-1-549	Glamsch J., Rosnitschek T., Rieg F. (2021). Initial Population Influence on Hypervolume Convergence of NSGA-III. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 123-133
57	Sun, L. Q.; Jiang, K.; Zeng, Q. L.; Gao, K. D. & Zhang, X. D.	Influence of Drum Cutting Height on Shearer Cutting Unit Vibration by Co-Simulation Method	Shearer, Cutting Department, Vibration Analysis, Hydromechatronical Co-Simulation Method, Coal Cutting	20, 1, 111-122	10.2507/IJSIMM20-1-548	Sun L. Q., Jiang K., Zeng Q. L., Gao K. D., Zhang X. D. (2021). Influence of Drum Cutting Height on Shearer Cutting Unit Vibration by Co-Simulation Method. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 111-122
58	Sutak, D.; Hatala, M.; Mital, D.; Duplakova, D. & Botko, F.	Comprehensive Analysis of Cold Formed Tube in Drawing Process Using Simulation	Deform-3D, Mandrel, Cold Formed Tube, Drawing Process	20, 1, 99-110	10.2507/IJSIMM20-1-547	Sutak D., Hatala M., Mital D., Duplakova D., Botko F. (2021). Comprehensive Analysis of Cold Formed Tube in Drawing Process Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 99-110
59	Yu, J. P.; Zou, D. Y.; Liu, X. A. & Zhang, Y.	Simulation and Experimental Study on Hybrid Bit with Different Cutters	PDC, DIB, Rate of Penetration, Experiment, Simulation	20, 1, 87-98	10.2507/IJSIMM20-1-545	Yu J. P., Zou D. Y., Liu X. A., Zhang Y. (2021). Simulation and Experimental Study on Hybrid Bit with Different Cutters. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 87-98
60	Wang, H. L.; Hu, Q. X.; Yang, Y. & Wang, C.	Performance Differences of Electrical Submersible Pump under Variable Speed Schemes	Electrical Submersible Pump, Variable Speed Regulation, Transient Calculation, Numerical Simulation	20, 1, 76-86	10.2507/IJSIMM20-1-544	Wang H. L., Hu Q. X., Yang Y., Wang C. (2021). Performance Differences of Electrical Submersible Pump under Variable Speed Schemes. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 76-86
61	Berlec, T.; Tansek, B. & Kusar, J.	Selection of the Most Suitable Material Handling System in Production	Production, Material Handling Systems, Simulation, Optimisation, Cost-Benefit Analysis	20, 1, 64-75	10.2507/IJSIMM20-1-542	Berlec T., Tansek B., Kusar J. (2021). Selection of the Most Suitable Material Handling System in Production. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 64-75
62	Tic, V.; Rotovnik, A. & Lovrec, D.	Impact of Proportional Valves' Differences to Ensure Uniform Motion of Hydraulic Motors	Uniform Motion, Hydraulic Motor, Proportional Valve, Simulation	20, 1, 52-63	10.2507/IJSIMM20-1-540	Tic V., Rotovnik A., Lovrec D. (2021). Impact of Proportional Valves' Differences to Ensure Uniform Motion of Hydraulic Motors. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 52-63

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63	Lamprecht, M. & Leonhartsberger, M.	Tool Stiffness Calculation in Roll Forming	Roll Forming, Tool Deflection, Stiffness, Deflection Behaviour, Finite Element Method (FEM)	20, 1, 40-51	10.2507/IJSIMM20-1-539	Lamprecht M., Leonhartsberger M. (2021). Tool Stiffness Calculation in Roll Forming. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 40-51
64	Cano, J. A.; Gomez-Montoya, R. A.; Cortes, P. & Campo, E. A.	MRP Systems Considering Fuzzy Capacity, Lead Times and Inventory Availability	MRP, Fuzzy Logic, Lead Time, Inventory, Production Capacity	20, 1, 29-39	10.2507/IJSIMM20-1-538	Cano J. A., Gomez-Montoya R. A., Cortes P., Campo E. A. (2021). MRP Systems Considering Fuzzy Capacity, Lead Times and Inventory Availability. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 29-39
65	Gong, D. C.; Chen, P. S. & Wang, S. J.	Simulation Study of Impact of Capacity Reservation Threshold on Order Fulfilment	Capacity Planning, Potential Order, Reservation Threshold, Reservation Strategy, Simulation, Machine Tool Industry, Assembly Plant	20, 1, 17-28	10.2507/IJSIMM20-1-537	Gong D. C., Chen P. S., Wang S. J. (2021). Simulation Study of Impact of Capacity Reservation Threshold on Order Fulfilment. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 17-28
66	Burinskiene, A.	The Efficiency Increase in a Two-Stage Transport System	Transport System, Two-Stage, Shipping Strategy, Delivery Strategy, Costs Metrics	20, 1, 5-16	10.2507/IJSIMM20-1-536	Burinskiene A. (2021). The Efficiency Increase in a Two-Stage Transport System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 5-16