



TECHNICKÁ UNIVERZITA V KOŠICIACH
Fakulta výrobných technológií

Prehľad preukázateľných citácií a ohlasov na vedecké a odborné
práce

Ing. Martin Pollák, PhD.

Prešov, 2024

Prehľad preukázateľných citácií a ohlasov na vedecké a odborné práce indexovaných v databáze Web of Science od rôznych zahraničných autorov (WOS)

Web of Science™ Citations	
Title	Research into the Impact of Spindle Speed and Feed Rate Changes on the Life of a Deep-Drilling Technology Tool
Authors	POLLÁK, Martin - KOČIŠKO, Marek - PETRUS, Jaroslav - GROZAV, Sorin Dumitru - CECLAN, Vasile
Source information	MACHINES, Vol. 10 (4), 268, 2022.
[1] JIN, X.D., et al. Hierarchical Microtextures Generated by Pulsed-Laser Manufacturing for Surface Geometry Modulation. <i>Journal of Manufacturing Processes</i> , Vol. 97, pp. 148-158, 2023.	
Title	Feasibility of Predictive Models for the Quality of Additive Manufactured Components Based on Artificial Neural Networks
Authors	GROZAV, Sorin Dumitru - STERCA, Aleksandru Dumitru - KOČIŠKO, Marek - POLLÁK, Martin - CECLAN, Vasile
Source information	MACHINES, Vol. 10 (2), 128, 2022.
[1] SCHMIDT, C., et al. Investigation of Part Quality Achieved by Material Extrusion Printers in Relation to Their Price. <i>Journal of Manufacturing and Materials Processing</i> , Vol. 7 (4), pp. 1-34, 2023. [2] SCHMIDT, C., et al. Predicting Tensile Strength of Material Extrusion Parts During the Pre-Process Using Neural Networks. <i>Journal of Manufacturing and Materials Processing</i> , Vol. 128 (11-12), pp. 5129–5138, 2023. [3] VARGA, G., et al. Shape Accuracy Improvement in Selective Laser-Melted Ti6Al4V Cylindrical Parts by Sliding Friction Diamond Burnishing. <i>Machines</i> , Vol. 10 (10), pp. 1-20, 2022.	
Title	Production of Fiber as an Input Material for the 3D Printing Process
Authors	POLLÁK, Martin - KOČIŠKO, Marek - BAŠISTOVÁ, Anna - HLAVATÁ, Simona
Source information	MM Science Journal, Vol. 2021, p. 4414-4419, 2021.
[1] SPROCH, F., et al. Use of Smart 3D Printing Technology in Conventional Engineering Production to Detect and Prevent the Occurrence of Defects. <i>MM Science Journal</i> , Vol. 2021, pp. 5441-5447, 2021. [2] FREDRICKS, J.L., et al. Spirulina-Based Composites for 3D-Printing. <i>Journal of Polymer Science</i> , Vol. 59 (22), pp. 2878-2894, 2021.	
Title	Determination of Methodology and Research of the Influence of the Trial Run of High-Precision Reducers on the Change of Their Characterizing Properties
Authors	KOČIŠKO, Marek - POLLÁK, Martin - TOROKOVÁ, Monika - BARON, Petr - PAULIŠIN, Dušan - KUNDRIK, Juraj
Source information	Applied Sciences-Basel, Vol. 11 (9), 3859, 2021.
[1] EFREMENKOV, E.A., et al. Research on the Possibility of Lowering the Manufacturing Accuracy of Cycloid Transmission Wheels with Intermediate Rolling Elements and a Free Cage. <i>Applied Sciences-Basel</i> , Vol. 12 (1), 2022.	
Title	Implementation of a Recycled Polypropylene Homopolymer Material for Use in Additive Manufacturing

Authors	DOBRÁNSKY, Jozef - POLLÁK, Martin - BĚHÁLEK, Luboš - SVETLÍK, Jozef
Source information	Sustainability, Vol. 13 (9), 4990, 2021.
[1]	NAGENGAST, N., et al. Thermo-Mechanical Recyclability of Additively Manufactured Polypropylene and Polylactic Acid Parts and Polypropylene Support Structures. <i>Polymers</i> , Vol. 15 (10), 2023.
Title	Application of Physical Methods for the Detection of a Thermally Degraded Recycled Material in Plastic Parts Made of Polypropylene Copolymer
Authors	BĚHÁLEK, Luboš - DOBRÁNSKY, Jozef - POLLÁK, Martin - BORUVKA, Martin - BRDLÍK, Pavel
Source information	Materials, Vol. 14 (3), 552, 2021.
[1]	IBANEZ-GARCIA, A., et al. Recyclability Analysis of Starch Thermoplastic/Almond Shell Biocomposite. <i>Polymers</i> , Vol. 13 (7), 2021.
Title	Measurement of Unidirectional Pose Accuracy and Repeatability of the Collaborative Robot UR5
Authors	POLLÁK, Martin - KOČIŠKO, Marek - PAULIŠIN, Dušan – BARON, Petr
Source information	Advances in Mechanical Engineering, Vol. 12 (12), pp. 1-21, 2020.
[1]	SÁNCHEZ-CALLEJA I., et al. Contact System Method for the Precise Interaction Between Cobots and Mobile Robots in Smart Manufacturing. <i>International Journal of Precision Engineering and Manufacturing</i> , 2023.
[2]	Heo, I.S., et al. Analysis of Quality Standards for Industrial Collaborative Robots Based on User-Centered Design Framework. <i>Human Factors and Ergonomics in Manufacturing & Service Industries</i> , 2023.
[3]	RÓNAI, L., et al. Robotic Check of a Subassembly, and its Simulation. <i>SN Applied Sciences</i> , Vol. 5 (8), 2023.
[4]	SAMIR, O., et al. Design and Development of a 3-DoF Robotic Wrist Joint with Tension Amplification Mechanism. <i>International Journal of Interactive Design and Manufacturing</i> , 2023.
[5]	WANG, Y., et al. Dynamic Characteristics Analysis of an Assembly Robot for a Wine Box Base Considering Radial and Axial Clearances in a 3D Revolute Joint. <i>Applied Sciences-Basel</i> , Vol. 13 (4), 2211, 2023.
[6]	YU, C.P., et al. Toward Inherently Safer Human-Robot Interaction Using Compliant Actuators with High Torque-to-Inertia Ratios and Low Torque-to-Stiffness Ratios. <i>IEEE Practical Innovations, Open Solutions</i> , Vol. 11, pp. 114378-114389, 2023.
[7]	BAUMGARTNER, J., et al. Increasing Robot Precision by Stroke Division. <i>International Conference on Methods and Models in Automation and Robotics</i> , pp. 205-210, 2023.
[8]	BAUMGARTNER, J., et al. Optimal Robot Workpiece Placement for Maximized Repeatability. <i>Advances in System-Integrated Intelligence</i> , Vol. 546, pp. 252-261, 2023.
[9]	CHEN, CH., et al. A Point Cloud-Based Feature Recognition and Path Planning Method. <i>Shock and Vibration</i> , Vol. 2022, 1050038, 2022.
[10]	NOROOZI, M., et al. Performance Analysis of Universal Robot Control System Using Networked Predictive Control. <i>International Conference of Robotics and Automation Engineering</i> , pp. 227-232, 2022.
[11]	DENG, ZH., et al. Tiny Screw and Screw Hole Detection for Automated Maintenance Processes. <i>International Conference on Mechatronics and Automation</i> , pp. 847-851, 2022.
[12]	QIAO, LJ., et al. Optimizing Kinematic Modeling and Self-Collision Detection of a Mobile Manipulator Robot by Considering the Actual Physical Structure. <i>Applied Sciences-Basel</i> , Vol. 11 (22), 2021.
[13]	RIEDL, M., et al. High-Resolution Surface Texture Measurements Using A Collaborative Pick-And-Place Robot. <i>MM Science Journal</i> , Vol. 2021, pp. 5175-5180, 2021.
[14]	TRISHCH, R., et al. Qualimetric Method Of Assessing Risks Of Low Quality Products. <i>MM Science Journal</i> , Vol. 2021, pp. 4769-4774, 2021.

<p>[15] REYES-UQUILLAS, D., et al. Compliant Human-Robot Collaboration with Accurate Path-Tracking Ability for a Robot Manipulator. <i>Applied Sciences-Basel</i>, Vol. 11 (13), 2021.</p> <p>[16] VIVAS, A., et al. UR5 Robot Manipulation using Matlab/Simulink and ROS. International Conference on Mechatronics and Automation, pp. 338-343, 2021.</p>	
Title	Structural Design and Material Cutting Using a Laser End Effector on a Robot Arm
Authors	POLLÁK, Martin - DOBRÁNSKY, Jozef
Source information	TEM Journal-Technology Education Management Informatics, Vol. 9 (4), pp. 145-1459, 2020.
<p>[1] SOLFRONK, P., et al. Experimental and Numerical Analysis of the Residual Stresses in Seamed Pipe in Dependence on Welding and Metal Forming. <i>Materials</i>, Vol. 16 (6), 2023.</p> <p>[2] LYUBIMYI, N.S., et al. Device for Automatic Marking of Billets for Large Diameter Pipe Bends. <i>CIS Iron and Steel Review</i>, Vol. 25, pp. 67-72, 2023</p> <p>[3] CRACIUN, N.G., et al. Study of Cooling Systems for Electronic Components Used in Robot Applications. Proceedings of I4SDG Workshop 2021: IFTOMM for Sustainable Development Goals, Vol. 108 pp. 315-324, 2022.</p> <p>[4] GUO, H., et al. Adaptive Biological Neural Network Control and Virtual Realization for Engineering Manipulator. <i>Computational Intelligence and Neuroscience</i>, Vol. 2022, 2424279, 2022.</p> <p>[5] SKRZEK, M., et al. Towards a Smart Reconfiguration Process for Complex Product manufacturing based on industrial robot cells. <i>IFAC Papersonline</i>, Vol. 55 (2), pp. 108-113, 2022.</p> <p>[6] CRACIUN, N. G., et al. Study of Cooling Systems for Electronic Components Used in Robot Applications. <i>IFTOMM for Sustainable Development Goals</i>, Vol. 108, pp. 315-324, 2022.</p> <p>[7] TRISHCH, R., et al. Qualimetric Method Of Assessing Risks Of Low Quality Products. <i>MM Science Journal</i>, Vol. 2021, pp. 4769-4774, 2021.</p>	
Title	Monitoring of the Impacts of Used Materials for Resulting Attributes of an Electric Motor Created via Additive Technology
Authors	TOROK, Jozef - POLLÁK, Martin – TOROKOVA, Monika – MURČINKOVÁ, Zuzana – KOČIŠKO, Marek
Source information	TEM Journal-Technology Education Management Informatics, Vol. 9 (2), pp. 826-830, 2020.
<p>[1] CUNHA, F.G., et al. In Situ Monitoring of Additive Manufacturing Using Digital Image Correlation: A Review. <i>Materials</i>, Vol. 14 (6), 2021.</p> <p>[2] OMAIRI, A., et al. Towards Machine Learning for Error Compensation in Additive Manufacturing. <i>Applied Sciences-Basel</i>, Vol. 11 (5), 2021.</p>	
Title	Augmented Reality as a Support Tool in Machining Process
Authors	TOROKOVÁ, Monika - POLLÁK, Martin - TOROK, Jozef - KOČIŠKO, Marek – KAŠČAK, Jakub
Source information	TEM Journal-Technology Education Management Informatics, Vol. 9 (1), pp. 407-411, 2020.
<p>[1] WERBINSKA-WOJCIECHOWSKA, S., et al. Maintenance Performance in the Age of Industry 4.0: A Bibliometric Performance Analysis and a Systematic Literature Review. <i>Sensors</i>, Vol. 23 (3), 2023.</p> <p>[2] BROUM, T., et al. Competencies of Industrial Engineers for Implementing Augmented Reality Metadata Systems. <i>Sustainability</i>, Vol. 15(1), 2023.</p> <p>[3] MABE, K., et al. Publication Patterns and Trends of 4IR Pillars in a Knowledge Management <i>Journal</i>. <i>European Conference on Knowledge Management</i>, pp. 526-533, 2021.</p>	
Title	Assessment Of Production Process Capability In The Serial Production Of Components For The Automotive Industry
Authors	DOBRÁNSKY, Jozef - POLLÁK, Martin - DOBOŠ, Zigmunt

Source information	Management Systems in Production Engineering, Vol. 27 (4), pp. 255-258, 2019.
[1]	ZOUBEK, M., et al. Methodology Proposal for Storage Rationalization by Implementing Principles of Industry 4.0. in a Technology-Driven Warehouse. <i>Transactions of Famena</i> , Vol. 44 (4), 2020.
Title	Enterprise Information Data Management System for Small Manufacturing Company
Authors	POLLÁK, Martin - TKÁČ, Jozef
Source information	TEM Journal-Technology Education Management Informatics, Vol. 8 (4), pp. 1169-1175, 2019.
[1]	ZOUBEK, M., et al. Methodology Proposal for Storage Rationalization by Implementing Principles of Industry 4.0. in a Technology-Driven Warehouse. <i>Transactions of Famena</i> , Vol. 44 (4), 2020.
[2]	POÓR, P., et al. Maintenance Ideal Model in Industry 4.0-A Transformation Strategy Roadap to Readiness Factor Calculation. <i>Hradec Economic Days</i> , Vol. 10 (1), pp. 642-648, 2020.
Title	Design of the 3D Printhead with Extruder for the Implementation of 3D Printing from Plastic and Recycling by Industrial Robot
Authors	POLLÁK, Martin - KAŠČAK, Jakub – TELIŠKOVÁ, Monika – TKÁČ, Jozef
Source information	TEM Journal-Technology Education Management Informatics, Vol. 8 (3), pp. 709-713, 2019.
[1]	CALIGNANO, F., et al. An Overview of the Impact of Additive Manufacturing on Supply Chain, Reshoring, and Sustainability. <i>Cleaner Logistics and Supply Chain</i> . Vol. 7, 2023.
[2]	IIZUKA, K., et al. Comparison of Characteristics of Internal Planetary Gear Reducer with Epitrochoid Curve using Metal and 3D Printed Parts. <i>International Symposium on System Integration</i> , pp. 1-6, 2023.
[3]	SHOJAEI BARJUEI, E., et al. Real-Time Vision-Based Control of Industrial Manipulators for Layer-Width Setting in Concrete 3D Printing Applications. <i>Advances in Industrial and Manufacturing Engineering</i> , Vol. 5, 2023.
[4]	DI, L., et al. Towards Closed-Loop Material Flow in Additive Manufacturing: Recyclability Analysis of Thermoplastic Waste. <i>Journal of Cleaner Production</i> , Vol. 362, 2022.
[5]	LIU, H., et al. Design of a Throat-extended FDM Extruder for Multi-axis 3D Printing. <i>Strojnicki Vestnik- Journal of Mechanical Engineering</i> , Vol. 67 (4), pp. 180-190, 2021.
[6]	POÓR, P., et al. Assessing the Predictive Maintenance Readiness of Enterprises in West Bohemian Region. <i>International Conference on Industry 4.0 and Smart Manufacturing</i> , Vol. 42, pp. 422-428, 2020.
Title	Application of Industrial Robot in 5-axis Milling Process
Authors	POLLÁK, Martin - TELIŠKOVÁ, Monika - KOČIŠKO, Marek - BARON, Petr
Source information	Modern Technologies in Manufacturing, Vol. 299, 2019.
[1]	ARNARSON, H., et al. The Application of Virtual Reality in Programming of a Manufacturing Cell. <i>International Symposium on System Integration</i> , pp. 213-218, 2021.
Title	Examining the Effect of Alignment of the Rotor of the Emissions Exhaust Fan on Its Operating Parameters
Authors	VOJTKO, Imrich - BARON, Petr - POLLÁK, Martin - KAŠČAK, Jakub
Source information	Advances in Materials Science and Engineering, 4985395, 2019.
[1]	BAQER, I.A., et al. Prediction of the Belt Drive Contamination Status Based on Vibration Analysis and Artificial Neural Network. <i>Journal of Intelligent & Fuzzy Systems</i> , Vol. 45 (4), pp. 6629-6643, 2023.
[2]	WANG, Z., et al. Research on Dynamic Balance of Spindle Rotor System Based on Particle Swarm Optimization. <i>Advances in Materials Science and Engineering</i> , 9728248, 2021.

[3] TORRES-CONTRERAS, I., et al. Diagnosis of Friction on an Unbalanced Rotor by Phase-Shift Empirical Mode Decomposition Integration and Recurrence Plot. <i>Applied Sciences-Basel</i> , Vol. 11 (17), 2021.	
Title	The Structural Design of 3D Print Head and Execution of Printing via the Robotic Arm ABB IRB 140
Authors	POLLÁK, Martin - TOROK, Jozef - ZAJAC, Jozef - KOČIŠKO, Marek – TELIŠKOVÁ, Monika
Source information	International Conference on Industrial Engineering and Applications, pp. 194-198, 2018.
<p>[1] AHMED, G.H. A review of "3D Concrete Printing": Materials and Process Characterization, Economic Considerations and Environmental Sustainability. <i>Journal of Building Engineering</i>, Vol. 66, 2023.</p> <p>[2] SRINIVAS, L.G., et al. Supportless 5-Axis 3D-Printing and Conformal Slicing: A Simulation-based Approach. <i>International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems</i>, 2023.</p> <p>[3] IIZUKA, K., et al. Comparison of Characteristics of Internal Planetary Gear Reducer with Epitrochoid Curve using Metal and 3D Printed Parts. <i>International Symposium on System Integration</i>, 2023.</p> <p>[4] TUQAN, M., et al. Network Inference from Local Measurements: Application to Coordination of Groups of Mobile Three-Dimensional Printers. <i>Journal of Dynamic Systems Measurement and Control-Transactions of the ASME</i>, Vol. 145 (1), 2022.</p> <p>[5] TUQAN, M., et al. Collective Mobile 3D Printing: An Active Sensing Approach for Improved Autonomy. <i>European Workshop on Structural Health Monitoring</i>, Vol. 3, pp. 1009-1015, 2023.</p> <p>[6] STORM, F. A., et al. Additive Manufacturing of Spinal Braces: Evaluation of Production Process and Postural Stability in Patients with Scoliosis. <i>Materials</i>, Vol. 15 (18), 2022.</p> <p>[7] AHMED, G. H., et al. A Review of Largescale 3DCP: Material Characteristics, Mix Design, Printing Process, and Reinforcement Strategies. <i>Structures</i>, Vol. 43, pp. 508-532, 2022.</p> <p>[8] WANG, JY., et al. Universal Path Planning Based on Naive Bayes Classifier and Improved A* Algorithm using CNN. <i>Chinese Control Conference</i>, pp. 7030-7035, 2022.</p> <p>[9] LIN, J., et al. Virtual Simulation and Experimental Verification for 3D-printed Robot Manipulators. <i>Robotica</i>, Vol. 39 (3), pp. 367-377, 2021.</p> <p>[10] SILVA, M. Z., et al. Industrial Robotic Arm in Machining Process Aimed to 3D Objects Reconstruction. <i>International Conference on Industrial Technology</i>, pp. 1100-1105, 2021.</p> <p>[11] CHU, S. H., et al. Development of Extrudable High Strength Fiber Reinforced Concrete Incorporating Nano Calcium Carbonate. <i>Additive Manufacturing</i>, Vol. 37, 2021.</p> <p>[12] HU, C., et al. Advances in Fused Deposition Modeling of Discontinuous Fiber/Polymer Composites. <i>Current Opinion in Solid State & Materials Science</i>. Vol. 24 (5), 2020.</p> <p>[13] ONSTEIN, I. F., et al. Additive Manufacturing Path Generation for Robot Manipulators Based on CAD Models. Vol. 53 (2), pp. 10037-10043, 2020.</p> <p>[14] POÓR, P., et al. Assessing the Predictive Maintenance Readiness of Enterprises in West Bohemian Region. <i>International Conference on Industry 4.0 and Smart Manufacturing</i>, Vol. 42, pp. 422-428, 2020.</p> <p>[15] POÓR, P., et al. Role of Collaborative Robots in Industry 4.0 with Target on Education in Industrial Engineering. <i>International Conference on Control, Robotics and Cybernetics</i>, pp. 42-46, 2019.</p>	
Title	Study of the Press Fit Bearing-Shaft Joint Dimensional Parameters by Analytical and Numerical Approach
Authors	MURČINKOVÁ, Zuzana - BARON, Petr - POLLÁK, Martin
Source information	Advances in Materials Science and Engineering, 2916068, 2018.
<p>[1] WANG, ZN., et al. Effect of Interference Fit on Dynamic Characteristics of Spindle Rotor System. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i>, Vol. 44 (8), 2022.</p> <p>[2] WANG, ZN., et al. Research on Vibration of Ceramic Motorized Spindle Influenced by Interference and Thermal Displacement. <i>Journal of Mechanical Science and Technology</i>, Vol. 35 (6), pp. 2325-2335, 2021.</p> <p>[3] KARLSEN, O., et al. Questionnaire-Based Survey of Experiences with the Use of Expanding PIN Systems in Mechanical Joints. <i>Results in Engineering</i>, Vol. 9, 2021.</p> <p>[4] DIEUDONNE, E., et al. A Study on the Experimental Investigation of Low Frequency Vibration Wave Assisted Disassembly of Press-Fit Joints. <i>Journal of Manufacturing Processes</i>, Vol. 40, pp. 70-81, 2020.</p>	

[5] SOHRABPOOR, H., et al. Improving Precision in the Prediction of Laser Texturing and Surface Interference of 316L Assessed by Neural Network and Adaptive Neuro-Fuzzy Inference Models. <i>International Journal of Advanced Manufacturing Technology</i> , Vol. 104 (9-12), pp. 4571-4580, 2019.	
Title	Research and Analysis of Stress Distribution in Multilayers of Coated Tools
Authors	MURČINKOVÁ, Zuzana - BARON, Petr – TIŇO, Lukáš - POLLÁK, Martin – MURČINKO, Jaromír
Source information	International Journal of Materials Research, Vol. 108 (6), pp. 495-506, 2017.
[1] KHOSRAVI, A., et al. Customer Knowledge Management in Enterprise Software Development Companies: Organizational, Human and Technological Perspective. <i>Management Systems in Production Engineering</i> , Vol. 30 (4), pp. 291-297, 2022.	
Title	The Contactless Measuring of the Dimensional Attrition of the Cutting Tool and Roughness of Machined Surface
Authors	KREHEL, Radoslav – POLLÁK, Martin
Source information	International Journal of Advanced Manufacturing Technology, Vol. 86 (1-4), pp. 437-449, 2016.
[1] BADASHAH, S.J., et al. Taylor-Gorilla troops optimized deep learning network for surface roughness estimation. <i>Network-Computation in Neural Systems</i> , Vol. 34 (4), pp. 221-249, 2023. [2] YAO, B., et al. Surface Reconstruction Based on the Camera Relative Irradiance. <i>International Journal of Distributed Sensor Networks</i> , Vol. 14 (2), 2018.	
Title	Research on Impacts of Mechanical Vibrations on the Production Machine to its Rate of Change of Technical State
Authors	SALOKYOVA, Štefánia – KREHEL, Radoslav - POLLÁK, Martin – KOČIŠKO, Marek
Source information	Advances in Mechanical Engineering, Vol. 8 (7), 2016.
[1] WARKE, V., et al. Design and Evaluation of an MRF Damper for Semi-Active Vibration Control of the Machining Processes. <i>Journal of Instrumentation</i> , Vol. 17 (12), 2022. [2] LIU, J., et al. Mode Shape Database-Based Estimation for Machine Tool Dynamics. <i>International Journal of Mechanical Sciences</i> , Vol. 236, 2022. [3] FERNANDO, P.P.F., et al. Modeling Mechanical Vibrations Using Matlab's Graphical User Interfacer. <i>Agroindustria Sociedad Y Ambiente ASA</i> , Vol. 2 (19), pp. 59-84, 2022. [4] HARAZIN, J., et al. Research on a Cascade Model Synthesis with the Use of Classical and Non-Classical Methods in the Context of New Piezoelectric Stack Applications. <i>Mechanical Sciences</i> , Vol. 12 (2), pp. 959-969, 2021. [5] XIAO, YJ., et al. Design of a High-Speed Rapier Loom Control System Based on a Mixed Current Attenuation Algorithm. <i>IEEE Access</i> , Vol. 9, pp. 156688-156700, 2021.	
Title	The Parameter Correlation of Acoustic Emission and High-Frequency Vibrations in the Assessment Process of the Operating State of the Technical System
Authors	BARON, Petr – DOBRÁNSKY, Jozef - POLLÁK, Martin – KOČIŠKO, Marek – CMOREJ, Tomáš
Source information	Acta Mechanica Et Automatica, Vol. 10 (2), pp. 112-116, 2016.
[1] KHOSRAVI, A., et al. Customer Knowledge Management in Enterprise Software Development Companies: Organizational, Human and Technological Perspective. <i>Management Systems in Production Engineering</i> , Vol. 30 (4), pp. 291-297, 2022.	
Title	Prospective Systems and Technologies for the Treatment of Wastewater Containing Oil Substances

Authors	MAKSIMOV, Evgenie Aleksandrovich – KREHEL, Radoslav - POLLÁK, Martin
Source information	Clean Technologies and Environmental Policy, Vol. 10 (1), pp. 161-170, 2016.
	<p>[1] NIVETHA, M.S., et al. A novel g-C₃N₄@BiTiO₂/NiO Ternary Heterostructure Photocatalysts for Effective Degradation of Tetracycline under Light Illumination. <i>Inorganic Chemistry Communications</i>, Vol. 159, 2024.</p> <p>[2] SPROCH, F., et al. Use of Smart 3D Printing Technology in Conventional Engineering Production to Detect and Prevent the Occurrence of Defects. <i>MM Science Journal</i>, Vol. 2021, pp. 5441-5447, 2021.</p> <p>[3] TETTEH, E.K., et al. Application of Response Surface Methodology (RSM) - Reduction of Industrial Wastewater Chemical Oxygen Demand. <i>CBU International Conference Proceedings 2017: Innovations in Science and Education</i>, Vol. 5, pp. 1226-1232, 2017.</p>
Title	Research and Correlation of Diagnostic Methods for Assessment of the State of Oil Filling in Cycloid Gearbox
Authors	BARON, Petr – KOČIŠKO, Marek – DOBRÁNSKY, Jozef – POLLÁK, Martin – CMOREJ, Tomáš
Source information	Advances in Materials Science and Engineering, Vol. 2015, 597841, 2015.
	<p>[1] PHAM, AD., et al. Rigid Precision Reducers for Machining Industrial Robots. <i>International Journal of Precision Engineering and Manufacturing</i>, Vol. 22 (8), pp. 1469-1486, 2021.</p> <p>[2] AIROLDI, G., et al. Oil Consumption in 4WD Farm Tractors Used in Forestry Operations. <i>Croatian Journal of Forest Engineering</i>, Vol. 41 (2), pp. 333-346, 2020.</p>
Title	Use of Neural Networks in Tool Wear Prediction
Authors	KUNDRÍK, Juraj – KOČIŠKO, Marek - POLLÁK, Martin – TELIŠKOVÁ, Monika – BAŠISTOVÁ, Anna – FIALA, Zdenek
Source information	Modern Technologies In Manufacturing, Vol. 299, 2019.
	[1] SOORI, M., et al. Cutting Tool Wear Prediction in Machining Operations. <i>Journal of New Technology and Materials</i> , Vol. 12 (2), 2022.
Title	Design and Implementation of 3D Printing Using a Universal Printing System on the Robot Arm UR5
Authors	POLLÁK, Martin – KOČIŠKO, Marek
Source information	TEM Journal-Technology Education Management Informatics, Vol. 10 (4), pp. 1895-1899, 2021.
	[1] ŽENÍŠEK, D., et al. Payback Calculation Refinement of Industrial Robot Applications. <i>MM Science Journal</i> , Vol. Oct. 2023, pp. 6785-6792, 2023.
Title	Use of Generative Design Tools in the Production of Design Products using 3D Printing Technology
Authors	POLLÁK, Martin – TÖRÖK, Jozef
Source information	TEM Journal-Technology Education Management Informatics, Vol. 11 (1), pp. 249-255, 2022.
	[1] MELE, M., et al. Environmental Drawbacks of Lightweight Design Algorithms in Material Extrusion Additive Manufacturing: A Case Study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , Vol. 45 (10), 2023.
Title	Development of a Knowledge System for Data Management of the Pre-Production Stages

Authors	POLLÁK, Martin – KOČIŠKO, Marek
Source information	TEM Journal-Technology Education Management Informatics, Vol. 11 (4), pp. 1774-1779, 2022.
[1] ŽENÍŠEK, D., et al. Payback Calculation Refinement of Industrial Robot Applications. <i>MM Science Journal</i> , Vol. Oct. 2023, pp. 6785-6792, 2023.	