



TECHNICKÁ UNIVERZITA V KOŠICIACH  
Fakulta výrobných technológií

## Prehľad publikačnej činnosti

Ing. Martin Pollák, PhD.

Prešov, 2024

## 1. Najvýznamnejšie vedecké práce

<b>Web of Science™ Articles</b>	
Title	<b>Simulation Design and Measurement of Welding Robot Repeatability Utilizing the Contact Measurement Method</b>
Authors	POLLÁK, Martin - GORYL, Karol
Source information	<i>Machines</i> , Vol. 11, no. 7 (2023), p. 1-15.
Specification	Curent Contents Connect (2021): IF= 2.899, Q2
Title	<b>Influence of Coolant Properties and Chip Former Geometry on Tool Life in Deep Drilling</b>
Authors	KOČIŠKO, Marek - POLLÁK, Martin - GROZAV, Sorin Dumitru - CECLAN, Vasile
Source information	<i>Applied Sciences</i> , Vol. 13, no. 14 (2023), p. 1-16.
Specification	Curent Contents Connect (2021): IF= 2.838, Q2
Title	<b>Artificial Neural Network-Based Predictive Model for Finite Element Analysis of Additive-Manufactured Components</b>
Authors	GROZAV, Sorin Dumitru - STERCA, Alexandru Dumitru - KOČIŠKO, Marek – POLLÁK, Martin - CECLAN, Vasile
Source information	<i>Machines</i> , Vol. 11, no. 5 (2023), p. 1-13.
Specification	Curent Contents Connect (2021): IF= 2.899, Q2
Title	<b>Research into the Impact of Spindle Speed and Feed Rate Changes on the Life of a Deep-Drilling Technology Tool</b>
Authors	POLLÁK, Martin - KOČIŠKO, Marek - PETRUS, Jaroslav - GROZAV, Sorin Dumitru - CECLAN, Vasile
Source information	<i>Machines</i> , Vol. 10, no. 4 (2022), p. 1-20.
Specification	Curent Contents Connect (2021): IF= 2,899, Q2
Title	<b>Feasibility of Predictive Models for the Quality of Additive Manufactured Components Based on Artificial Neural Networks</b>
Authors	GROZAV, Sorin Dumitru - STERCA, Alexandru Dumitru - KOČIŠKO, Marek – POLLÁK, Martin - CECLAN, Vasile
Source information	<i>Machines</i> , Vol. 10, no. 2 (2022), p. 1-19.
Specification	Curent Contents Connect (2021): IF= 2.899, Q2
Title	<b>Technical and Economic Description of the Research on a Measuring Device for Continuous Measurement of the Diameter and Vibration of the Workpiece during the Machining Process</b>

Authors	KREHEĽ, Radoslav - SZENTIVANYI, Patrik - KOČIŠKO, Marek - POLLÁK, Martin
Source information	<i>Advances in Materials Science and Engineering</i> , Vol. 2021, p. 1-9.
Specification	Curent Contents Connect (2021): IF= 2.098, Q3
Title	<b>Determination of Methodology and Research of the Influence of the Trial Run of High-Precision Reducers on the Change of Their Characterizing Properties</b>
Authors	KOČIŠKO, Marek - POLLÁK, Martin – TOROKOVÁ, Monika - BARON, Petr - PAULIŠIN, Dušan - KUNDRÍK, Juraj
Source information	<i>Applied Sciences-Basel</i> , Vol. 11, no. 9 (2021), p. 1-23.
Specification	Curent Contents Connect (2021): IF= 2.838, Q2
Title	<b>Implementation of a Recycled Polypropylene Homopolymer Material for Use in Additive Manufacturing</b>
Authors	DOBRÁNSKY, Jozef - POLLÁK, Martin - BĚHÁLEK, Luboš - SVETLÍK, Jozef
Source information	<i>Sustainability</i> , Vol. 13, no. 9 (2021), p. 1-21.
Specification	Curent Contents Connect (2021): IF= 3.889, Q2
Title	<b>Application of Physical Methods for the Detection of a Thermally Degraded Recycled Material in Plastic Parts Made of Polypropylene Copolymer</b>
Authors	BĚHÁLEK, Luboš - DOBRÁNSKY, Jozef - POLLÁK, Martin - BORUVKA, Martin - BRDLÍK, Pavel
Source information	<i>Materials</i> , Vol. 14, No. 3 (2021), p. 1-22.
Specification	Curent Contents Connect (2021): IF= 3.748, Q2
Title	<b>Measurement of Unidirectional Pose Accuracy and Repeatability of the Collaborative Robot UR5</b>
Authors	POLLÁK, Martin - KOČIŠKO, Marek - PAULIŠIN, Dušan - BARON, Petr
Source information	<i>Advances in Mechanical Engineering</i> . Vol. 12, no. 12 (2020), p. 1-21.
Specification	Curent Contents Connect (2020): IF= 1.316, Q4
Title	<b>Examining the Effect of Alignment of the Rotor of the Emissions Exhaust Fan on Its Operating Parameters</b>
Authors	VOJTKO, Imrich, BARON, Petr, POLLÁK, Martin - KAŠČÁK, Jakub
Source information	<i>Advances in Materials Science and Engineering</i> , Vol. 2019 (2019), p. 1-13.
Specification	Curent Contents Connect (2019): IF= 1.271, Q4

Title	<b>Study of the Press Fit Bearing-Shaft Joint Dimensional Parameters by Analytical and Numerical Approach</b>
Authors	MURČINKOVÁ, Zuzana, BARON, Petr, POLLÁK, Martin
Source information	<i>Advances in Materials Science and Engineering</i> , Vol. 2018 (2018), p. 1-10.
Specification	Curent Contents Connect (2018): IF= 1.372, Q3
Title	<b>Research and Analysis of Stress Distribution in Multilayers of Coated Tools</b>
Authors	MURČINKOVÁ, Zuzana, BARON, Petr, TIŇO, Lukáš, POLLÁK, Martin, MURČINKO, Jaromír
Source information	<i>International Journal of Materials Research</i> , Vol. 108, no. 6 (2017), pp. 495-506.
Specification	Curent Contents Connect (2017): IF= 0.748, Q3
Title	<b>Research and Application of Methods of Technical Diagnostics for the Verification of the Design Node</b>
Authors	BARON, Petr, KOČIŠKO, Marek, DOBRÁNSKY, Jozef, POLLÁK, Martin, TELIŠKOVÁ, Monika
Source information	<i>Measurement</i> , Vol. 94 (2016), pp. 245-253.
Specification	Curent Contents Connect (2016): IF= 2.218, Q1
Title	<b>The Contactless Measuring of the Dimensional Attrition of the Cutting Tool and Roughness of Machined Surface</b>
Authors	KREHEĽ, Radoslav, POLLÁK, Martin
Source information	<i>International Journal of Advanced Manufacturing Technology</i> , Vol. 86, no. 1-4 (2016), pp. 437-449.
Specification	Curent Contents Connect (2016): IF= 2.601, Q2
Title	<b>Research on Impacts of Mechanical Vibrations on the Production Machine to its Rate of Change of Technical State</b>
Authors	SALOKYOVÁ, Štefánia, KREHEĽ, Radoslav, POLLÁK, Martin, KOČIŠKO, Marek
Source information	<i>Advances in Mechanical Engineering</i> , Vol. 8, no. 7 (2016), p. 1-10.
Specification	Curent Contents Connect (2016): IF= 0.848, Q4
Title	<b>Prospective Systems and Technologies for the Treatment of Wastewater Containing Oil Substances</b>
Authors	MAKSIMOV, Evgenie Aleksandrovich, KREHEĽ, Radoslav, POLLÁK, Martin
Source information	<i>Clean Technologies and Environmental Policy</i> , Vol. 18, no. 1 (2016), pp. 161-170.
Specification	Curent Contents Connect (2016): IF= 2.343, Q2

Title	<b>Research and Correlation of Diagnostic Methods for Assessment of the State of Oil Filling in Cycloid Gearbox</b>
Authors	BARON, Petr, KOČIŠKO, Marek, DOBRÁNSKY, Jozef, POLLÁK, Martin, CMOREJ Tomáš
Source information	<i>Advances in Materials Science and Engineering</i> , Vol. 2015 (2015), p. 1-10.
Specification	Curent Contents Connect (2015): IF= 1.372, Q3

## 2. Prehľad vedeckých prác, odborných prác a učebníc

Dátum generovania výstupu: 15.01.2024, 16:19:15

### Záznamy v kategóriách do 31.1.2022

**Skupina A1 (do 31.1.2022) - Knižné publikácie charakteru vedeckej monografie (AAA, AAB, ABA, ABB, ABC, ABD)**

**Počet záznamov: 2**

AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (2)

**Skupina A2 (do 31.1.2022) - Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, CAA, CAB, EAI, EAJ, FAI)**

**Počet záznamov: 5**

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (5)

**Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)**

**Počet záznamov: 35**

ADC - Vedecké práce v zahraničných karentovaných časopisoch (13)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (22)

**Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)**

**Počet záznamov: 39**

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (2)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (4)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)

AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách (1)

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (9)

AFD - Publikované príspevky na domácich vedeckých konferenciách (21)

AFG - Abstrakty príspevkov zo zahraničných konferencií (1)

**Skupina Patenty (do 31.1.2022) - Patentové prihlášky, prihlášky úžitkových vzorov, prihlášky dizajnov, prihlášky ochranných známk, ... (AGJ)**

**Počet záznamov: 5**

AGJ - Autorské osvedčenia, patenty, objavy (5)

### Záznamy v kategóriách od 1.2.2022

**Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)**

**Počet záznamov: 27**

V1 - Výstup publikačnej činnosti ako celok - Vedecký (1)

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (15)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (11)

**Skupina P - Pedagogický výstup publikačnej činnosti (P1, P2)**

**Počet záznamov: 1**

P1 - Výstup publikačnej činnosti ako celok - Pedagogický (1)

**Skupina D - Dokument práv duševného vlastníctva (D1)**

**Počet záznamov: 1**

D1 - Dokument práv duševného vlastníctva (1)

**Skupina I - Iný výstup publikačnej činnosti (I1, I2, I3)**

**Počet záznamov: 1**

I3 - Výstup publikačnej činnosti z časopisu - Iný (1)

**Počet záznamov spolu: 116**

## Menný zoznam publikácií:

### AAA - Vedecké monografie vydané v zahraničných vydavateľstvách (2)

AAA001 [195517] **Automation of Engineering Activities in Pre-Production Stages** / Martin Pollák, Petr Baron, Marek Kočíško - 1. vyd. - Lüdenscheid : RAM-Verlag - 2018. - 254 p.. - ISBN 978-3-942303-68-2.

[POLLÁK, Martin (40%) - BARON, Petr (40%) - KOČIŠKO, Marek (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AAA002 [207801] **Computer simulation of production processes** / Martin Pollák ... [et al.] - 1. vyd. - Lüdenscheid : RAM-Verlag - 2019. - 258 s. [print]. - ISBN 978-3-942303-87-3.

[POLLÁK, Martin (25%) - BARON, Petr (25%) - KOČIŠKO, Marek (25%) - TÖRÖKOVÁ, Monika (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

### ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách (5)

ACB001 [186807] **Počítačové modelovanie 2 v systéme Creo Parametric 3.0** / Martin Pollák, Petr Baron - 1. vyd - Košice : Technická univerzita - 2017. - 64 s.. - ISBN 978-80-553-2878-2.

[POLLÁK, Martin (70%) - BARON, Petr (30%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ACB002 [191332] **CA technológie v príprave a riadení výroby** / Petr Baron, Martin Pollák - 1. vyd. - Košice : TU - 2018. - 83 s.. - ISBN 978-80-553-2924-6.

[BARON, Petr (70%) - POLLÁK, Martin (30%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ACB003 [194593] **Počítačové modelovanie 3 v systéme Creo Parametric 3.0** / Martin Pollák, Jozef Tkáč - 1. vyd - Košice : Technická univerzita - 2018. - 83 s.. - ISBN 978-80-553-2989-5.

[POLLÁK, Martin (90%) - TKÁČ, Jozef (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ACB004 [221308] **Nástroje simulačnej analýzy v procese vstrekovania plastov** / Petr Baron, Martin Pollák - 1. vyd. - Košice : Technická univerzita v Košiciach - 2020. - 69 s. [print]. - ISBN 978-80-553-3563-6.

[BARON, Petr (50%) - POLLÁK, Martin (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ACB005 [222681] **Aplikácia techník umelej inteligencie vo výrobe** / Martin Pollák, Petr Baron - 1.

vyd. - Košice : Technická univerzita v Košiciach - 2020. - 80 s. [print]. - ISBN 978-80-553-3641-1.  
[POLLÁK, Martin (50%) - BARON, Petr (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

### **ADC - Vedecké práce v zahraničných karentovaných časopisoch (13)**

ADC001 [166245] **Research and Correlation of Diagnostic Methods for Assessment of the State of Oil Filling in Cycloid Gearbox** / Petr Baron ... [et al.] - 2015.In: Advances in Materials Science and Engineering. P. 97841-97841. - ISSN 1687-8434 Spôsob prístupu:

<http://www.hindawi.com/journals/amse/2015/597841/>.

[BARON, Petr (45%) - KOČIŠKO, Marek (30%) - DOBRÁNSKY, Jozef (20%) - POLLÁK, Martin (4%) - CMOREJ, Tomáš (1%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

### **Ohlasy:**

2017 [1] KUCERA, M. - ALES, Z. Morphology Analysis of Friction Particles Generated in Tractor Transmission Oils In: Acta Technologica Agriculrae Vol. 20, no. 3 (2017), p. 57-62 ISSN: 1335-2555 DB: Scopus

2017 [1] SVETLIK, J. et al. Device for applying a thin layer of oil onto the inner surface of steel pipes In: Manufacturing Technology Vol. 17, no. 2 (2017), p. 257-260 ISSN: 1213-2489 DB: Scopus

2020 [1] AIROLDI, Gianfranco - CALVO, Angela - MANZONE, Marco Oil consumption in 4WD farm tractors used in forestry operations In: Croatian Journal of Forest Engineering Vol. 41, no. 2 (2020), p. 333-346 ISSN: 1845-5719 DB: WOS  
[WOS:000567116600014]

2021 [01] KOCISKO, Marek, POLLAK, Martin, TOROKOVA, Monika: Determination of Methodology and Research of the Influence of the Trial Run of High-Precision Reducers on the Change of Their Characterizing Properties In: APPLIED SCIENCES-BASEL vol.11, no.9 (2021) eISSN:2076-3417  
Doi:10.3390/app11093859  
[WOS:000649964600001] [NEIMPORTOVANÉ V CREPČ]

2021 [01] PHAM, Anh-Duc, AHN, Hyeong-Joon: Rigid Precision Reducers for Machining Industrial Robots In: INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING vol.22, no.8 (2021) p.1469-1486 ISSN:2234-7593 eISSN:2005-4602 Doi:10.1007/s12541-021-00552-8  
[WOS:000667619100004] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOCISKO, Marek, BARON, Petr, PAULISIN, Dusan: Research of Dynamic Characteristics of Bearing Reducers of the TwinSpin Class in the Start-Up Phase and in the Initial Operating Hours In: MACHINES vol.11, no.6 (2023) eISSN:2075-1702 Doi:10.3390/machines11060595  
[WOS:001017322000001] [NEIMPORTOVANÉ V CREPČ]

ADC002 [161063] **Prospective systems and technologies for the treatment of wastewater containing oil substances** / Evgenie Aleksandrovich Maksimov, Radoslav Kreheľ, Martin Pollák - 2016.In: Clean Technologies and Environmental Policy. Vol. 18, no. 1 (2016), p. 161-170. - ISSN 1618-



954X Spôsob prístupu: <http://link.springer.com/article/10.1007/s10098-015-1003-0/fulltext.html>.  
[MAKSIMOV, Evgenie Aleksandrovich (1%) - KREHEL', Radoslav (94%) - POLLÁK, Martin (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

### Ohlasy:

2016 [1] STRAKA, L. Determination of the reliability model of cooling unit of electro-erosion machine  
In: MM Science Journal Vol. 2016, no. November (2016), p. 1205-1209 ISSN: 1803-1269 DB: Scopus

2017 [1] SVETLIK, J. et al. Device for applying a thin layer of oil onto the inner surface of steel pipes  
In: Manufacturing Technology Vol. 17, no. 2 (2017), p. 257-260 ISSN: 1213-2489 DB: Scopus

2017 [3] TETTEH, Emmanuel Kweinor - RATHILAL, Sudesh Application of response surface methodology (rsm) - reduction of industrial wastewater chemical oxygen demand In: CBU International conference on innovations in science and education : Prague : 22-24 March, 2017 Vol. 5 (2017) p. 1226-1232 ISSN: 1805-997X  
[WOS:000439408200215]

2018 [1] SVETLÍK, J. et al. Research into oil film coating of a steel pipe interior by oil mist blowing In: Metalurgija Vol. 57, no. 1-2 (2018), p. 95-98 ISSN: 0543-5846 DB: Scopus  
[WOS:000423657300022]

2019 [1] PANDA, A. et al. Modelling business process of manufacturing for air compressors In: TEM Journal Vol. 8, no. 2 (2019), p. 430-436 ISSN: 2217-8309 DB: Scopus  
[WOS:000468971700016]

2019 [1] DOBRÁNSKY, Jozef - DOBOŠ, Zigmund Effect of thermal degradation on rheological properties of polymeric materials In: MTEM 2019 : 14th International Conference on Modern Technologies in Manufacturing : Cluj Napoca, 9-12 October, 2019 Vol. 299 (2019), art. no. 06001 ISSN: 2261-236X ISBN: 978-2-7598-9083-5 DB: WOS  
[WOS:000568128200061]

2021 [01] POLLAK, Martin, KOCISKO, Marek, BASISTOVA, Anna: PRODUCTION OF FIBER AS AN INPUT MATERIAL FOR THE 3D PRINTING PROCESS In: MM SCIENCE JOURNAL vol.2021, (2021) p.4414-4419 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2021\_6\_2021031  
[WOS:000658344000013] [NEIMPORTOVANÉ V CREPČ]

2021 [01] SPROCH, Filip, NEVIMA, Jan: USE OF SMART 3D PRINTING TECHNOLOGY IN CONVENTIONAL ENGINEERING PRODUCTION TO DETECT AND PREVENT THE OCCURRENCE OF DEFECTS In: MM SCIENCE JOURNAL vol.2021, (2021) p.5441-5447 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2021\_12\_2021115  
[WOS:000730809400001] [NEIMPORTOVANÉ V CREPČ]

ADC003 [168243] **The contactless measuring of the dimensional attrition of the cutting tool and roughness of machined surface** / Radoslav Krehel', Martin Pollák - 2016. In: International Journal of Advanced Manufacturing Technology. Vol. 86, no. 1-4 (2016), p. 437-449. - ISSN 0268-3768 Spôsob prístupu: [www.springer.com](http://www.springer.com).  
[KREHEL', Radoslav (95%) - POLLÁK, Martin (5%)]

Kvartil: neuvedené | Impakt faktor: 1.568

Databázy: WOS: nie CCC: nie SCOPUS: nie

**Ohlasy:**

2017 [1] STRAKA, Ľ., ČORNÝ, I., PITEĽ, J. Prediction of the geometrical accuracy of the machined surface of the tool steel EN X30WCrV9-3 after electrical discharge machining with CuZn37 wire electrode In: Metals Vol. 7, no. 11 (2017), art. no. 462 ISSN: 2075-4701 DB: Scopus [WOS:000416803200012]

2018 [1] YAO, B. et al. Surface reconstruction based on the camera relative irradiance In: International Journal of Distributed Sensor Networks Vol. 14, no. 2 (2018) ISSN: 1550-1329 DB: Scopus [WOS:000428192100001]

2018 [1] STRAKA, Ľ., HAŠOVÁ, S. Optimization of material removal rate and tool wear rate of Cu electrode in die-sinking EDM of tool steel In: International Journal of Advanced Manufacturing Technology Vol. 97, no. 5-8 (2018), p. 2647-2654 ISSN: 0268-3768 DB: Scopus [WOS:000436813500082]

2018 [1] SUN, W. et al. Noncontact Surface Roughness Estimation Using 2D Complex Wavelet Enhanced ResNet for Intelligent Evaluation of Milled Metal Surface Quality In: Applied Sciences (Switzerland) Vol. 8, no. 3 (2018), article no. 381 ISSN: 2076-3417 DB: Scopus

2019 [1] SVETLÍK, J. et al. Numerical calculation of oil dispersion through the air flow applied to the inner surface of slim tubes In: Applied Sciences (Switzerland) Vol. 9, no 12 (2019), article no. 399 ISSN: 2076-3417 DB: Scopus [WOS:000473754800008]

2019 [01] KUNDRIK, Juraj, KOCISKO, Marek, POLLAK, Martin: Use of Neural Networks in Tool Wear Prediction In: MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2019) : Cluj Napoca vol.299, (2019) ISBN:978-2-7598-9083-5 ISSN:2261-236X Doi:10.1051/mateconf/201929904003 [WOS:000568128200038] [NEIMPORTOVANÉ V CREPČ]

2023 [01] BADASHAH, Syed Jahangir, BASHA, Shaik Shafiulla, AHAMED, Shaik Rafi: Taylor-Gorilla troops optimized deep learning network for surface roughness estimation In: NETWORK-COMPUTATION IN NEURAL SYSTEMS (2023) ISSN:0954-898X eISSN:1361-6536 Doi:10.1080/0954898X.2023.2237587 [WOS:001051739900001] [NEIMPORTOVANÉ V CREPČ]

ADC004 [174896] **Research on impacts of mechanical vibrations on the production machine to its rate of change of technical state** / Štefánia Olejárová ... [et al.] - 2016.In: Advances in mechanical engineering. Vol. 8, no. 7 (2016), p. 1-10. - ISSN 1687-8140 [OLEJÁROVÁ, Štefánia (30%) - KREHEL, Radoslav (40%) - POLLÁK, Martin (5%) - KOČIŠKO, Marek (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

**Ohlasy:**

- 2017 [1] PANDA, A. et al. Production from PLA materials processed vertically by FDM method RP technology In: Key Engineering Materials Vol. 756 (2017), p. 80-87 ISSN: 1013-9826 DB: Scopus
- 2017 [1] PANDOVA, I. - ORAVEC, P. - MATSKOVA, D. Sorption characteristics of cooper sorption on the clinoptilolite measurement In: MM Science Journal Vol. 2017, no. December (2017), p. 1977-1980 ISSN: 1803-1269 DB: Scopus
- 2017 [1] MACHADO, J.A.T., LOPES, A.M. Complex systems in mechanical engineering In: Advances in Mechanical Engineering Vol. 9, no. 7 (2017), 1-3 ISSN: 1687-8132 DB: Scopus
- 2018 [1] PANDA, A. et al. Production by FDM method RP technology from PLA eco-materials extruded horizontally in length In: MM Science Journal Vol. 2018, no. March (2018), p. 2179-2182 ISSN: 1803-1269 DB: Scopus
- 2019 [1] POOR, Peter - BASL, Jiří - ŽENÍŠEK, David Predictive Maintenance 4.0 as next evolution step in industrial maintenance development In: SCSE 2019 : IEEE International Research Conference on Smart Computing and Systems Engineering : Colombo, 28 March, 2019 P. 245-253 ISBN: 978-955704121-6 DB: Scopus
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- 2020 [1] ANISIMOV, V.M. et al. About wear resistance of linear block-polyurethanes In: MM Science Journal Vol. 2020, no. November (2020), p. 4068-4073 ISSN: 1803-1269 DB: Scopus
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Kvartil: neuvedené | Impakt faktor: 1.742  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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[MURČINKOVÁ, Zuzana (50%) - BARON, Petr (33%) - TIŇO, Lukáš (2%) - POLLÁK, Martin (10%) - MURČINKO, Jaromír (5%)]

Kvartil: neuvedené | Impakt faktor: 0.681

Databázy: WOS: nie CCC: nie SCOPUS: nie

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[MURČINKOVÁ, Zuzana (40%) - BARON, Petr (30%) - POLLÁK, Martin (30%)]

Kvartil: WOS:Q3,SCO:Q2 | Impakt faktor: 2.10

Databázy: WOS: áno CCC: áno SCOPUS: áno

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Kvartil: WOS:Q3,SCO:Q2 | Impakt faktor: 2.10  
Databázy: WOS: áno CCC: áno SCOPUS: áno

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Kvartil: WOS:Q3,SCO:Q3 | Impakt faktor: 2.10

Databázy: WOS: áno CCC: áno SCOPUS: áno

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[WOS:000708285400002] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000708285400009] [NEIMPORTOVANÉ V CREPČ]

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Doi:10.1109/ICMA54519.2022.9855990  
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Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 3.40

Databázy: WOS: áno CCC: áno SCOPUS: áno

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Doi:10.3390/ma15093143

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Kvartil: WOS:Q2,SCO:Q1 | Impakt faktor: 3.90

Databázy: WOS: áno CCC: áno SCOPUS: áno

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Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.70

Databázy: WOS: áno CCC: áno SCOPUS: áno

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<http://dx.doi.org/10.1155/2021/3373197>.

[KREHEL, Radoslav (37%) - SZENTIVANYI, Patrik (10%) - KOČIŠKO, Marek (33%) - POLLÁK, Martin (20%)]

Kvartil: WOS:Q3,SCO:Q2 | Impakt faktor: 2.10

Databázy: WOS: áno CCC: áno SCOPUS: áno

#### **ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (2)**

ADE001 [170568] **Simulation of Weld Elbows Hot Forming Process** / J. Zajac ... [et al.] - 2016.In: International Journal of Modeling and Optimization. Vol. 6, no. 2 (2016), p. 77-80. - ISSN 2010-3697 [ZAJAC, Jozef (20%) - BERAXA, Pavol (20%) - MICHALIK, Peter (20%) - BOTKO, František (20%) - POLLÁK, Martin (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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2017 [1] DUPLÁKOVÁ, Darina et al. Software support of modelling using ergonomic tools in engineering In: TEM Journal-Technology Education Management Informatics Vol. 6, no. 3 (2017), p. 567-571 ISSN: 2217 -8309 DB: WOS

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ADE002 [208824] **Design of a sliding mechanism for the positioning of a lathe cutting tool** / Martin Pollák ... [et al.] - 2019.In: International Journal of Mechanical and Production Engineering. Roč. 7, č. 7 (2019), s. 1-4. - ISSN 2320-2092 Spôsob prístupu:

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[POLLÁK, Martin (25%) - BARON, Petr (25%) - TÖRÖKOVÁ, Monika (25%) - KOČIŠKO, Marek (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **ADF - Vedecké práce v domácich nekarentovaných časopisoch (4)**

ADF001 [180992] **Konštrukčný návrh hlavice pre potreby priestorovej tlače s využitím robota ABB IRB 140** / Martin Pollák ... [et al.] - 2017.In: ATP Journal. Roč. 2017, č. 5 (2017), s. 60-62. - ISSN 1335-2237

[POLLÁK, Martin (25%) - VYSOCKÝ, Tomáš (25%) - TÖRÖK, Jozef (25%) - TÖRÖKOVÁ, Monika (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF002 [181604] **Analýza možností priestorovej tlače s využitím robotických ramien** / Monika Telišková ... [et al.] - 2017.In: ATP Journal. Č. 6 (2017), s. 40-42. - ISSN 1335-2237  
[TÖRÖKOVÁ, Monika (25%) - POLLÁK, Martin (25%) - TÖRÖK, Jozef (25%) - VYSOCKÝ, Tomáš (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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[POLLÁK, Martin (20%) - KOČIŠKO, Marek (20%) - TÖRÖKOVÁ, Monika (20%) - BARON, Petr (20%) - KAŠČÁK, Jakub (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (22)**

ADM001 [170881] **The parameter correlation of acoustic emission and high-frequency vibrations in the assessment process of the operating state of the technical system** / Petr Baron ... [et al.] - 2016.In: Acta Mechanica et Automatica. Vol. 10, no. 2 (2016), p. 112-116. - ISSN 1898-4088 Spôsob prístupu:  
[http://www.actawm.pb.edu.pl/volume/vol10no2/18\\_2015\\_114\\_BARON\\_DOBRANSKY\\_POLLAK\\_KOCI\\_SKO\\_CMOREJ.pdf](http://www.actawm.pb.edu.pl/volume/vol10no2/18_2015_114_BARON_DOBRANSKY_POLLAK_KOCI_SKO_CMOREJ.pdf).  
[BARON, Petr (30%) - DOBRÁNSKY, Jozef (30%) - KOČIŠKO, Marek (30%) - POLLÁK, Martin (9%) - CMOREJ, Tomáš (1%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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[WOS:000481669500001]



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[WOS:000569978700001]

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2022 [01] CHERNOBROVCHENKO, Vadym, PANDA, Anton, DYADYURA, Kostiantyn: MODEL FOR ASSESSING THE SAFETY INDEX OF CONSTRUCTIONS BASED ON HYDROXYAPATITE In: MM SCIENCE JOURNAL vol.2022, (2022) p.5992-5998 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2022\_11\_2022051  
[WOS:000885481400001] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000885478900001] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000885477900001] [NEIMPORTOVANÉ V CREPČ]

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2023 [01] PANDA, Anton, NAHORNYI, Volodymyr: FORECASTING THE CUTTING TOOL LIFE CONSIDERING AS A BLOW- UP MODE ITS OPERATION In: MM SCIENCE JOURNAL vol.2023, (2023) p.6478-6483 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2023\_06\_2023019 [WOS:001006770000001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] PANDA, Anton, CHERNOBROVCHENKO, Vadym, DYADYURA, Kostiantyn: SELECTION OF MATERIALS HYDROXYLAPATITE USING THE METHOD OF ANALYSIS OF HIERARCHY In: MM SCIENCE JOURNAL vol.2023, (2023) p.6472-6477 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2023\_06\_2023016 [WOS:001006740800001] [NEIMPORTOVANÉ V CREPČ]

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Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

**Ohlasy:**

2019 [1] ŽIDEK, K. et al. An automated training of deep learning networks by 3D virtual models for object recognition In: Symmetry Vol. 11, no. 4 (2019), article no. 496 ISSN: 2073-8994 DB: Scopus

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Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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ADM004 [186610] **Modification of production process structure and optimization of material flow for selected types of components computer simulation means** / Petr Baron ... [et al.] - 2017. In: MM Science Journal. ol. 2017, no. November (2017), p. 1895-1900. - ISSN 1803-1269 Spôsob prístupu: [http://www.mmscience.eu/content/file/archives/MM\\_Science\\_201740.pdf](http://www.mmscience.eu/content/file/archives/MM_Science_201740.pdf). [BARON, Petr (30%) - PANDA, Anton (30%) - POLLÁK, Martin (30%) - CMOREJ, Tomáš (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### Ohlasy:

2018 [1] POOR, P., BASL, J. Czech republic and processes of industry 4.0 implementation In: DAAAM 2018 : 29th Internacional DAAAM Symposium on Intelligent Manufacturing and Automation : Zadar, 24-27 October, 2018 Vol. 29, no. 1 (2018), p. 0454-0459 ISBN: 978-3-902734-20-4 DB: Scopus

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ADM005 [187950] **Surface finishing of 3D printed sample manufactured by fused deposition modeling** / Tomáš Cmorej ... [et al.] - 2017. In: MM Science Journal. Vol. 2017, no. December (2017), p. 1981-1985. - ISSN 1803-1269  
[CMOREJ, Tomáš (9%) - PANDA, Anton (30%) - BARON, Petr (30%) - POÓR, Peter (1%) - POLLÁK, Martin (30%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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[KAŠČÁK, Jakub (20%) - TÖRÖKOVÁ, Monika (20%) - TÖRÖK, Jozef (20%) - KOČIŠKO, Marek (20%) - POLLÁK, Martin (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.90  
Databázy: WOS: nie CCC: nie SCOPUS: áno

ADM007 [199590] **Design of the web interface to manage automatically generated production documentation** / Martin Pollák ... [et al.] - 2018. In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 7, č. 4 (2018), s. 703-707 [print]. - ISSN 2217-8309  
[POLLÁK, Martin (20%) - BARON, Petr (20%) - TÖRÖKOVÁ, Monika (20%) - KOČIŠKO, Marek (20%) - TÖRÖK, Jozef (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

### Ohlasy:

2019 [1] ŽIDEK, K. et al. An automated training of deep learning networks by 3D virtual models for object recognition In: Symmetry Vol. 11, no. 4 (2019), art. no. 496 ISSN: 2073-8994 DB: WOS  
[WOS:000467314400055]

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[WOS:000649944800001] [NEIMPORTOVANÉ V CREPČ]

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[KAŠČAK, Jakub (20%) - BARON, Petr (20%) - TÖRÖK, Jozef (20%) - POLLÁK, Martin (20%) - TÖRÖKOVÁ, Monika (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

#### Ohlasy:

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ADM009 [208659] **Design of the 3D printhead with extruder for the implementation of 3D printing from plastic and recycling by industrial robot /** Martin Pollák ... [et al.] - 2019. In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 8, č. 3 (2019), s. 709-713 [print, online]. - ISSN 2217-8309 [POLLÁK, Martin (30%) - KAŠČAK, Jakub (30%) - TÖRÖKOVÁ, Monika (30%) - TKÁČ, Jozef (10%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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2023 [01] PANDA, Anton, CHERNOBROVCHENKO, Vadym, DYADYURA, Kostiantyn: SELECTION OF MATERIALS HYDROXYLAPATITE USING THE METHOD OF ANALYSIS OF HIERARCHY In: MM SCIENCE JOURNAL vol.2023, (2023) p.6472-6477 ISSN:1803-1269 eISSN:1805-0476



Doi:10.17973/MMSJ.2023\_06\_2023016

[WOS:001006740800001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] PANDA, Anton, NAHORNYI, Volodymyr: FORECASTING THE CUTTING TOOL LIFE CONSIDERING AS A BLOW- UP MODE ITS OPERATION In: MM SCIENCE JOURNAL vol.2023, (2023) p.6478-6483 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2023\_06\_2023019 [WOS:001006770000001] [NEIMPORTOVANÉ V CREPČ]

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ADM010 [212037] **Assessment of production process capability in the serial production of components for the automotive industry** / Jozef Dobránsky, Martin Pollák, Zigmund Doboš - 2019.In: Management systems in production engineering. - Gliwice (Poľsko) : P.A. NOVA Roč. 27, č. 4 (2019), s. 255-258 [print]. - ISSN 2299-0461 Spôsob prístupu: [http://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=F3GPCRT9k8p9kpfntpk&page=1&doc=1](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F3GPCRT9k8p9kpfntpk&page=1&doc=1).

[DOBRÁNSKY, Jozef (49%) - POLLÁK, Martin (49%) - DOBOŠ, Zigmund (2%)]

Kvartil: WOS:Q0,SCO:Q2 | Impakt faktor: 1.50

Databázy: WOS: áno CCC: nie SCOPUS: áno

#### Ohlasy:

2020 [1] PANDA, Anton - ANDROVIČ, Lukáš - PANDOVÁ, Iveta Innovation and recycling of aluminium castings in the form of plastic repair metal addition followed by machining In: MM Science Journal Vol. 2020, no. October (2020), p. 3989-3994 ISSN: 1803-1269 DB: WOS [WOS:000580437500004]

2020 [1] KUZNETSOV, Eduard, NAHORNYI, Volodymyr, KRENICKY, Tibor Gas flow simulation in the working gap of impulse gas-barrier face seal In: Management systems in production engineering Vol. 28, no. 4 (2020), p. 298-302 ISSN: 2299-0461 DB: WOS [WOS:000562281600012] [WOS:000841939200012]

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2020 [1] MAŠČENÍK, Jozef - PAVLENKO, Slavko Determination of stress and deformation during laser welding of aluminium alloys with the PC support In: MM Science Journal Vol. 2020 (2020), p. 4104-

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[WOS:000590384500009]

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2020 [01] Kuznetsov, Eduard, Nahornyí, Volodymyr, Krenický, Tibor Gas Flow Simulation in the Working Gap of Impulse Gas-Barrier Face Seal In: Management systems in production engineering Roč. 28, č. 4 (2020), s. 298-303 [print, online] ISSN: 2299-0461 DB: WOS

2020 [01] Zaloga, Viliam et al. Enhancing Efficiency by Implementation of Integrated Management System in Order to Align Organisational Culture and Daily Practice In: Management systems in production engineering Roč. 28, č. 4 (2020), s. 304-311 [print, online] ISSN: 2299-0461 DB: WOS

2020 [01] POLLAK, Martin, TOROKOVA, Monika, KOCISKO, Marek: Utilization of Generative Design Tools in Designing Components Necessary for 3D Printing Done by a Robot In: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS vol.9, no.3 (2020) p.868-872 ISSN:2217-8309 eISSN:2217-8333 Doi:10.18421/TEM93-05 [WOS:000565865300005] [NEIMPORTOVANÉ V CREPČ]

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2021 [01] KASCAK, Jakub, TOROK, Jozef, TOROKOVA, Monika: Utilization of the Ultrasonic Diagnostic Method in Rail Status on a Defined Railway Section In: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS vol.10, no.1 (2021) p.152-157 ISSN:2217-8309 eISSN:2217-8333 Doi:10.18421/TEM101-18



[WOS:000625328500018] [NEIMPORTOVANÉ V CREPČ]

2021 [01] PANDA, Anton, ANISIMOV, Volodymyr M., ANISIMOV, Volodymyr V.: WEAR RESISTANCE IMPROVEMENT OF LINEAR BLOCK-POLYURETHANES UNDER CONDITIONS OF LIQUID FRICTION In: MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING vol.29, no.4 (2021) p.287-293 ISSN:2299-0461 eISSN:2450-5781 Doi:10.2478/mspe-2021-0036

[WOS:000753841800006] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000753841800004] [NEIMPORTOVANÉ V CREPČ]

2023 [01] KOVAC, Juraj, MALEGA, Peter, RUDY, Vladimir: Vumark's Method of Production Layout Designing In: APPLIED SCIENCES-BASEL vol.13, no.3 (2023) eISSN:2076-3417

Doi:10.3390/app13031496

[WOS:000933819800001] [NEIMPORTOVANÉ V CREPČ]

ADM011 [212370] **Enterprise information data management system for small manufacturing company** / Martin Pollák, Jozef Tkáč - 2019. In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 8, č. 4 (2019), s. 1169-1175 [print, online]. - ISSN 2217-8309

[POLLÁK, Martin (95%) - TKÁČ, Jozef (5%)]

Kvartil: neuvedené | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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<https://doi.org/10.18421/TEM91-56>.  
[TÖRÖKOVÁ, Monika (20%) - POLLÁK, Martin (20%) - TÖRÖK, Jozef (20%) - KOČIŠKO, Marek (20%) - KAŠČAK, Jakub (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

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[WOS:000758201900062]

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Doi:10.3390/app13031496

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Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.90  
Databázy: WOS: nie CCC: nie SCOPUS: áno

ADM016 [223866] **Structural Design and Material Cutting Using a Laser end Effector on a Robot Arm** / Martin Pollák, Jozef Dobránsky - 2020.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 9, č. 4 (2020), s. 1455-1459 [print, online]. - ISSN 2217-8309 Spôsob prístupu: <https://doi.org/10.18421/TEM94-17>. [POLLÁK, Martin (50%) - DOBRÁNSKY, Jozef (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

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<https://hrcak.srce.hr/246098>.

[DOBRÁNSKY, Jozef (34%) - POLLÁK, Martin (33%) - KOČIŠKO, Marek (33%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.60

Databázy: WOS: áno CCC: nie SCOPUS: áno

ADM018 [228719] **Effect of Technological Waste on Rheological Properties of the Polymer Composite** / Jozef Dobránsky ... [et al.] - 2021.In: Manufacturing Technology. - Ústí nad Labem (Česko) : Univerzita Jana Evangelisty Purkyně v Ústí nad Labem Roč. 21, č. 1 (2021), s. 51-55 [print, online]. - ISSN 1213-2489 Spôsob prístupu: <https://doi.org/10.21062/mft.2021.001>.

[DOBRÁNSKY, Jozef (20%) - POLLÁK, Martin (20%) - KOČIŠKO, Marek (20%) - TÖRÖKOVÁ, Monika (20%) - KAŠČAK, Jakub (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.90

Databázy: WOS: nie CCC: nie SCOPUS: áno

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[DOBRÁNSKY, Jozef (50%) - POLLÁK, Martin (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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[POLLÁK, Martin (45%) - KOČIŠKO, Marek (45%) - BAŠISTOVÁ, Anna (10%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

ADM021 [231181] **Production of fiber as an input material for the 3D printing process** / Martin Pollák ... [et al.] - 2021.In: MM Science Journal. - Praha (Česko) : MM Publishing Roč. 2021 (2021), 4414-4419 [print, online]. - ISSN 1803-1269 Spôsob prístupu: [https://doi.org/10.17973/MMSJ.2021\\_6\\_2021031](https://doi.org/10.17973/MMSJ.2021_6_2021031).

[POLLÁK, Martin (40%) - KOČIŠKO, Marek (40%) - BAŠISTOVÁ, Anna (10%) - HLAVATÁ, Simona (10%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

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[WOS:000856661200001] [NEIMPORTOVANÉ V CREPČ]

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[KOČIŠKO, Marek (45%) - POLLÁK, Martin (45%) - KUNDRÍK, Juraj (10%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

#### **AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)**

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[BARON, Petr (33%) - DOBRÁNSKY, Jozef (31%) - POLLÁK, Martin (3%) - CMOREJ, Tomáš (1%) - KOČIŠKO, Marek (32%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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2018 [1] MONKA, P. et al. Fundamental requirements for CAPP software design focusing on industry 4.0 specific features In: Lecture Notes in Mechanical Engineering No. 9783319895628 (2018), p. 146-155 ISSN: 2195-4356 DB: Scopus

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#### **AFA - Publikované pozvané príspevky na zahraničných vedeckých konferenciách (1)**

AFA001 [204988] **Implementation of artificial intelligence to detect images in the manufacturing process** / Marek Kočíško ... [et al.] - 2019.In: Researchfora : proceedings of international conference. - Bhubaneswar (India) : India s. 5-8 [print]. - ISBN 978-93-89090-01-7 [KOČIŠKO, Marek (30%) - KUNDRÍK, Juraj (10%) - POLLÁK, Martin (30%) - TÖRÖKOVÁ, Monika (30%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **AFC - Publikované príspevky na zahraničných vedeckých konferenciách (9)**

AFC001 [187944] **Comparison of process documentation generation in PTC Creo and NX systems** / Martin Pollák, Petr Baron, Marek Kočíško - 2017.In: MATEC Web of Conferences volume 137 : MTeM - AMaTUC 2017. - Les Ulis : EDP Sciences, 2017 P. 1-8. - ISBN 978-2-7598-9027-9 Spôsob prístupu: [https://www.matec-conferences.org/articles/mateconf/abs/2017/51/mateconf\\_mtem2017\\_06004/mateconf\\_mtem2017\\_06004.html](https://www.matec-conferences.org/articles/mateconf/abs/2017/51/mateconf_mtem2017_06004/mateconf_mtem2017_06004.html). [POLLÁK, Martin (40%) - BARON, Petr (30%) - KOČIŠKO, Marek (30%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFC002 [195263] **The structural design of 3D print head and execution of printing via the robotic arm ABB IRB 140** / Martin Pollák ... [et al.] - 2018.In: ICIEA 2018. - Danvers : IEEE, 2018 P. 194-198. - ISBN 978-153865747-8 Spôsob prístupu: <https://doi.org/10.1109/IEA.2018.8387095>. [POLLÁK, Martin (20%) - TÖRÖK, Jozef (20%) - ZAJAC, Jozef (20%) - KOČIŠKO, Marek (20%) - TÖRÖKOVÁ, Monika (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: áno CCC: nie SCOPUS: áno

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vol.145, no.1 (2023) ISSN:0022-0434 eISSN:1528-9028 Doi:10.1115/1.4056028  
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[WOS:000871871300102] [NEIMPORTOVANÉ V CREPČ]

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[WOS:000972217000073] [NEIMPORTOVANÉ V CREPČ]

AFC003 [195500] **Implementation of innovative digitalization methods in reverse engineering /** Monika Telišková ... [et al.] - 2018.In: ICIEA 2018. - Danvers : IEEE, 2018 P. 406-409. - ISBN 978-1-5386-5748-5 Spôsob prístupu: <https://doi.org/10.1109/IEA.2018.8387134>.  
[TÖRÖKOVÁ, Monika (20%) - POLLÁK, Martin (20%) - TÖRÖK, Jozef (20%) - KAŠČAK, Jakub (10%) - BARON, Petr (20%) - MEZENECVOVÁ, Viktória (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: áno CCC: nie SCOPUS: áno

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AFC004 [197926] **Non-destructive diagnostics of hard-to-access locations through the application of spatial dimension /** Monika Telišková ... [et al.] - 2018.In: INES 2018 22nd International Conference on Intelligent Engineering Systems : IEEE 22nd International Conference on Intelligent Engineering Systems : Proceedings. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 145-149. - ISBN 978-1-5386-1121-0 Spôsob prístupu: <https://doi.org/10.1109/INES.2018.8523921>.  
[TÖRÖKOVÁ, Monika (20%) - TÖRÖK, Jozef (20%) - KOČIŠKO, Marek (20%) - POLLÁK, Martin (20%) - BLAŠKO, Lukáš (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: áno CCC: nie SCOPUS: áno

AFC005 [204991] **Design of a sliding mechanism for the positioning of a lathe cutting tool** / Martin Pollák ... [et al.] - 2019.In: Researchfora : proceedings of international conference. - Bhubaneswar (India) : India s. 1-4 [print]. - ISBN 978-93-89090-01-7  
[POLLÁK, Martin (25%) - BARON, Petr (25%) - TÖRÖKOVÁ, Monika (25%) - KOČIŠKO, Marek (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFC006 [215921] **Application of industrial robot in 5-axis milling process** / Martin Pollák ... [et al.] - 2019.In: Modern Technologies in Manufacturing (MTeM 2019) : 14th International Conference, 09. - 12. October 2019, Cluj-Napoca, Romania. - Les Ulis (Francúzsko) : Édition Diffusion Presse Sciences s. 1-6 [online]. - ISBN 978-2-7598-9083-5 Spôsob prístupu: [https://www.matec-conferences.org/articles/matecconf/abs/2019/48/matecconf\\_mtem2019\\_04004/matecconf\\_mtem2019\\_04004.html](https://www.matec-conferences.org/articles/matecconf/abs/2019/48/matecconf_mtem2019_04004/matecconf_mtem2019_04004.html).

[POLLÁK, Martin (25%) - TÖRÖKOVÁ, Monika (25%) - KOČIŠKO, Marek (25%) - BARON, Petr (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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2021 [01] ARNARSON, Halldor, SOLVANG, Bjorn, SHU, Beibei: The application of virtual reality in programming of a manufacturing cell In: 2021 IEEE/SICE INTERNATIONAL SYMPOSIUM ON SYSTEM INTEGRATION (SII) (2021) p.213-218 ISBN:978-1-7281-7658-1 ISSN:2474-2317

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[WOS:000662685900037] [NEIMPORTOVANÉ V CREPČ]

AFC007 [215922] **Use of neural networks in tool wear prediction** / Juraj Kunderík ... [et al.] - 2019.In: Modern Technologies in Manufacturing (MTeM 2019) : 14th International Conference, 09. - 12. October 2019, Cluj-Napoca, Romania. - Les Ulis (Francúzsko) : Édition Diffusion Presse Sciences s. 1-6 [online]. - ISBN 978-2-7598-9083-5 Spôsob prístupu: [https://www.matec-conferences.org/articles/matecconf/abs/2019/48/matecconf\\_mtem2019\\_04003/matecconf\\_mtem2019\\_04003.html](https://www.matec-conferences.org/articles/matecconf/abs/2019/48/matecconf_mtem2019_04003/matecconf_mtem2019_04003.html).

[KUNDRÍK, Juraj (20%) - KOČIŠKO, Marek (20%) - POLLÁK, Martin (20%) - TÖRÖKOVÁ, Monika (20%) - BAŠISTOVÁ, Anna (19%) - FIALA, Zdeněk (1%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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[WOS:001008182700001] [NEIMPORTOVANÉ V CREPČ]

AFC008 [233668] **New trends in the approach of teaching robotics in manufacturing technologies** / Martin Pollák, Jozef Tkáč - 2021.In: EDULEARN21 : 13th annual International Conference on Education and New Learning Technologies, Barcelona, 5th - 6th of July, 2021. - Barcelona (Španielsko)



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[POLLÁK, Martin (50%) - TKÁČ, Jozef (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFC009 [300848] **Robot programming via arduino microcontroller and accessories in the educational process** / Martin Pollák, Jozef Tkáč, Marek Kočiško - 2021.In: ICERI 2021 : 14th annual International Conference of Education, Research and Innovation. - Valencia (Španielsko) : IATED s. 3911-3918 [online]. - ISBN 978-84-09-34549-6 - ISSN 2340-1095 Spôsob prístupu: <http://dx.doi.org/10.21125/iceri.2021.0930>.  
[POLLÁK, Martin (34%) - TKÁČ, Jozef (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **AFD - Publikované príspevky na domácich vedeckých konferenciách (21)**

AFD001 [156168] **Automatizácia inžinierskych prác aplikáciou simulačného nástroja v procese konštrukčného návrhu hriadeľových spojok** / Jozef Dobranský ... [et al.] - 2015.In: Automatizácia a riadenie v teórii a praxi : ARTEP 2015. - Košice : TU, 2015 S. 14-1-14-7. - ISBN 978-80-553-1968-1 [DOBŘANSKY, Jozef (40%) - CMOREJ, Tomáš (10%) - BARON, Petr (40%) - POLLÁK, Martin (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

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AFD002 [168605] **Automatizácia procesnej dokumentácie v prostredí komplexného CAD/CAM/CAE systému PTC CREO 3.0** / Martin Pollák, Petr Baron, Marek Kočiško - 2016.In: Automatizácia a riadenie v teórii a praxi : ARTEP 2016. - Košice : TU, 2016 S. 16-1 - 16-8. - ISBN 978-80-553-2474-6 [POLLÁK, Martin (34%) - BARON, Petr (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD003 [174496] **Automatizovaná tvorba dielenskej dokumentácie v prostredí systému NX** / Martin Pollák, Petr Baron, Marek Kočiško - 2016.In: Transfer 2016. - Trenčín : TU A. Dubčeka, 2016 S. 1-5. - ISBN 978-80-8075-756-4 [POLLÁK, Martin (34%) - BARON, Petr (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD004 [178986] **Konštrukčný návrh hlavice pre potreby priestorovej tlače s využitím robotického ramena ABB IRB 140** / Martin Pollák ... [et al.] - 2017.In: ARTEP 2017. - Košice : TU, 2017 S. 12-1-12-

6. - ISBN 978-80-553-3075-4

[POLLÁK, Martin (25%) - VYSOCKÝ, Tomáš (25%) - TÖRÖK, Jozef (25%) - TÖRÖKOVÁ, Monika (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD005 [186546] **Návrh trojosového zariadenia** / Jakub Kaščák ... [et al.] - 2017.In: Transfer 2017. - Trenčín : Trenčianska univerzita Alexandra Dubčeka, 2017 S. 1-7. - ISBN 978-80-8075-787-8

[KAŠČÁK, Jakub (25%) - TÖRÖKOVÁ, Monika (25%) - TÖRÖK, Jozef (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD006 [186573] **Návrh webového rozhrania pre správu automaticky generovanej výrobnéj dokumentácie** / Martin Pollák ... [et al.] - 2017.In: Transfer 2017. - Trenčín : Trenčianska univerzita Alexandra Dubčeka, 2017 S. 1-5. - ISBN 978-80-8075-787-8

[POLLÁK, Martin (20%) - KOČIŠKO, Marek (20%) - BARON, Petr (20%) - TÖRÖKOVÁ, Monika (20%) - TÖRÖK, Jozef (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD007 [190343] **Návrh a realizácia 3D tlače prostredníctvom 3D tlačového pera a ramena robota UR5** / Petr Baron ... [et al.] - 2018.In: ARTEP 2018. - Košice : TU, 2018 S. 16-1-16-7. - ISBN 978-80-553-2914-7

[BARON, Petr (25%) - POLLÁK, Martin (25%) - KOČIŠKO, Marek (25%) - TÖRÖKOVÁ, Monika (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD008 [191867] **Nedeštruktívna diagnostika ťažko dostupných miest pomocou priestorovej digitalizácie** / Jozef Török ... [et al.] - 2018.In: Artep 2018. - Košice : TU, 2018 S. 25/1-25/7. - ISBN 978-80-553-2914-7

[TÖRÖK, Jozef (20%) - TÖRÖKOVÁ, Monika (20%) - POLLÁK, Martin (20%) - DUPLÁKOVÁ, Darina (20%) - KAŠČÁK, Jakub (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD009 [199264] **Návrh a vývoj aplikačného prostredia pre správu dát oddelenia technickej prípravy výroby podniku** / Martin Pollák ... [et al.] - 2018.In: Transfer 2018 : využívanie nových poznatkov v strojárskkej praxi. - Trenčín (Slovensko) : Trenčianska univerzita Alexandra Dubčeka v Trenčíne s. 1-6 [online]. - ISBN 978-80-8075-827-1

[POLLÁK, Martin (20%) - BARON, Petr (20%) - TÖRÖKOVÁ, Monika (20%) - TKÁČ, Jozef (20%) - KAŠČÁK, Jakub (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD010 [200934] **Behavior of the beam with a lightweight porous structure in its core** / Jozef Tkáč, Martin Pollák - 2019.In: Advances in Manufacturing Engineering and Materials. - Cham (Švajčiarsko) :

Springer Nature Switzerland s. 502-510 [print, online]. - ISBN 978-3-319-99352-2  
[TKÁČ, Jozef (50%) - POLLÁK, Martin (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: áno CCC: nie SCOPUS: nie

#### Ohlasy:

2020 [01] POLLAK, Martin, KASCAK, Jakub, TOROKOVA, Monika: Topological Optimization of a Supporting Part of a 3D Printer Pad In: MANUFACTURING TECHNOLOGY vol.20, no.4 (2020) p.492-499 ISSN:1213-2489 eISSN:2787-9402 Doi:10.21062/mft.2020.067  
[WOS:000859944800012] [NEIMPORTOVANÉ V CREPČ]

AFD011 [202519] **Konštrukčný návrh tlačovej hlavy s extruderom pre realizáciu 3D tlače priemyselným robotom** / Martin Pollák ... [et al.] - 2019.In: ARTEP 2019 Automatizácia a riadenie v teórii a praxi 2019 : 13. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach, 2019 s. 1-8 [CD-ROM]. - ISBN 978-80-553-3250-5 [POLLÁK, Martin (25%) - KAŠČAK, Jakub (25%) - TÖRÖKOVÁ, Monika (25%) - TKÁČ, Jozef (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD012 [202521] **Aplikácia smartfónu pre správu dát TPV** / Martin Pollák ... [et al.] - 2019.In: ARTEP 2019 Automatizácia a riadenie v teórii a praxi 2019 : 13. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach, 2019 s. 1-8 [CD-ROM]. - ISBN 978-80-553-3250-5 [POLLÁK, Martin (20%) - KOČIŠKO, Marek (20%) - TÖRÖKOVÁ, Monika (20%) - BARON, Petr (20%) - KAŠČAK, Jakub (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD013 [202523] **Monitorovanie výrobného procesu s využitím prvkov rozšírenej reality** / Monika Telišková, Martin Pollák, Jozef Török - 2019.In: ARTEP 2019 Automatizácia a riadenie v teórii a praxi 2019 : 13. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach, 2019 s. 1-8 [CD-ROM]. - ISBN 978-80-553-3250-5 [TÖRÖKOVÁ, Monika (34%) - POLLÁK, Martin (33%) - TÖRÖK, Jozef (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD014 [211701] **Topologická optimalizácia podpornej časti tlačovej podložky 3D tlačiarne** / Martin Pollák ... [et al.] - 2019.In: Transfer 2019 : 20th international scientific conference. - Trenčín (Slovensko) : Trenčianska univerzita Alexandra Dubčeka v Trenčíne s. 149-154 [CD-ROM]. - ISBN 978-80-8075-889-9 [POLLÁK, Martin (25%) - KAŠČAK, Jakub (25%) - TÖRÖKOVÁ, Monika (25%) - KOČIŠKO, Marek (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD015 [211702] **Spôsob výroby vlákna s prímiesami pre technológiu 3D tlače** / Marek Kočiško ... [et

al.] - 2019.In: Transfer 2019 : 20th international scientific conference. - Trenčín (Slovensko) : Trenčianska univerzita Alexandra Dubčeka v Trenčíne s. 13-16 [CD-ROM]. - ISBN 978-80-8075-889-9 [KOČIŠKO, Marek (25%) - BAŠISTOVÁ, Anna (25%) - TÖRÖKOVÁ, Monika (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD016 [211704] **Analýza vplyvu orientácie výtlačku metódou stereolitografie na jeho výsledné parametre** / Monika Töröková ... [et al.] - 2019.In: Transfer 2019 : 20th international scientific conference. - Trenčín (Slovensko) : Trenčianska univerzita Alexandra Dubčeka v Trenčíne s. 228-234 [CD-ROM]. - ISBN 978-80-8075-889-9 [TÖRÖKOVÁ, Monika (25%) - POLLÁK, Martin (25%) - KOČIŠKO, Marek (25%) - TÖRÖK, Jozef (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD017 [214843] **Využitie robotiky v aditívnej výrobe** / Samuel Lancoš ... [et al.] - 2020.In: Novus Scientia 2020 : Zborník príspevkov z XVII. Medzinárodnej vedeckej konferencie doktorandov strojnícckých fakúlt technických univerzít a vysokých škôl. - Košice (Slovensko) : Technická univerzita v Košiciach s. 140-144 [CD-ROM]. - ISBN 978-80-553-3500-1 [LANCOŠ, Samuel (30%) - POLLÁK, Martin (20%) - VARGA, Patrik (10%) - KARÁSEK, Michal (10%) - TREBUŇOVÁ, Marianna (10%) - HUDÁK, Radovan (10%) - ŽIVČÁK, Jozef (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD018 [214910] **Generatívny dizajn ako nový prístup konštruovania** / Martin Pollák, Marek Kočiško, Anna Bašistová - 2020.In: Automatizácia a riadenie v teórii a praxi 2020 : 14. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach s. 27-1-27-8 . - ISBN 978-80-553-3487-5 [POLLÁK, Martin (34%) - KOČIŠKO, Marek (33%) - BAŠISTOVÁ, Anna (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD019 [215053] **Vhodnosť recyklovaného HDPE materiálu pre tvorbu 3D tlačového vlákna** / Marek Kočiško ... [et al.] - 2020.In: Automatizácia a riadenie v teórii a praxi 2020 : 14. ročník konferencie odborníkov z univerzít, vysokých škôl a praxe. - Košice (Slovensko) : Technická univerzita v Košiciach, 2020 s. 1-5 . - ISBN 978-80-553-3487-5 [KOČIŠKO, Marek (10%) - BAŠISTOVÁ, Anna (50%) - POKLEMBÁ, Róbert (10%) - TKÁČ, Jozef (10%) - ŠUŤÁK, Dušan (10%) - POLLÁK, Martin (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD020 [300850] **Analysis of software solutions for creating models by a generative design approach** / Martin Pollák, Marek Kočiško, Jozef Dobránsky - 2021.In: 26th International Slovak-Polish Scientific Conference on Machine Modelling and Simulations. - Bristol (Veľká Británia) : IOP Publishing s. [1-11] [online]. Spôsob prístupu: <http://dx.doi.org/10.1088/1757-899x/1199/1/012098>. [POLLÁK, Martin (34%) - KOČIŠKO, Marek (33%) - DOBRÁNSKY, Jozef (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD021 [300851] **Design and implementation of a diagnostic system for measuring high-precision reducers** / Marek Kočiško ... [et al.] - 2021.In: 26th International Slovak-Polish Scientific Conference on Machine Modelling and Simulations. - Bristol (Veľká Británia) : IOP Publishing s. [1-8] [online].

Spôsob prístupu: <http://dx.doi.org/10.1088/1757-899x/1199/1/012069>.

[KOČIŠKO, Marek (40%) - POLLÁK, Martin (40%) - VODILKA, Adrián (10%) - PAULIŠIN, Dušan (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

### **AFG - Abstrakty príspevkov zo zahraničných konferencií(1)**

AFG001 [221253] **Application of pressure sensors for pressure monitoring in injection mold** / Jozef Dobránsky, Martin Pollák, Marek Kočiško - 2020.In: Metalurgija = Metallurgy. - Záhreb (Chorvátsko) : Hrvatsko metalurško društvo Roč. 59, č. 3 (2020), s. 448-448 [print]. - ISSN 0543-5846

[DOBRÁNSKY, Jozef (34%) - POLLÁK, Martin (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: 0.60

Databázy: WOS: nie CCC: nie SCOPUS: nie

### **AGJ - Autorské osvedčenia, patenty, objavy(5)**

AGJ001 [161690] **Zariadenie na bezkontaktné meranie opotrebenia výrobného nástroja** zverejnená prihláška úžitkového vzoru č. 50023-2015 : Vestník ÚPV SR č. 112015/ Radoslav Kreheľ, Martin Pollák - Banská Bystrica : ÚPV SR - 2015. - 7 s..

[KREHEĽ, Radoslav (95%) - POLLÁK, Martin (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ002 [162958] **Zariadenie na bezkontaktné, kontinuálne meranie priemeru obrobku** zverejnená prihláška úžitkového vzoru č. 50058-2015 : Vestník ÚPV SR č.: 112015/ Radoslav Kreheľ, Martin Pollák - Banská Bystrica : ÚPV SR - 2015. - 6 s..

[KREHEĽ, Radoslav (95%) - POLLÁK, Martin (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ003 [172209] **Posuvný mechanizmus na korekciu polohy sústružníckeho noža SK 50062-2015 U1/ Radoslav Kreheľ, Martin Pollák - Banská Bystrica : ÚPV SR - 2016. - 6 s..**

[KREHEĽ, Radoslav (95%) - POLLÁK, Martin (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ004 [190080] **Zariadenie na zvýšenie bezpečnosti pri práci s rotačnými časťami strojov** zverejnená prihláška úžitkového vzoru SK 50128-2015 U1/ Radoslav Kreheľ, Martin Pollák - Banská Bystrica : ÚPV SR - 2018. - 7 s..

[KREHEĽ, Radoslav (60%) - POLLÁK, Martin (40%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

AGJ005 [226827] **Tlačová hlava s extrudérom na dávkovanie termoplastického materiálu** Úžitkový vzor/ Martin Pollák, Monika Töröková, Jakub Kaščák - Banská Bystrica : [s.n.] - 2020. - 5 s.. Spôsob prístupu: <https://wbr.indprop.gov.sk/WebRegistre/UzitkovyVzor/Detail/50034-2020>.  
[POLLÁK, Martin (34%) - TÖRÖKOVÁ, Monika (33%) - KAŠČÁK, Jakub (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **D1 - Dokument práv duševného vlastníctva (1)**

D1001 [303159] **Tlačová hlava na kompozitnú aditívnu výrobu na rameno robota** Úžitkový vzor/ Martin Pollák, Jozef Török - Banská Bystrica : [s.n.] - 2022. - 6 s.. Spôsob prístupu: <https://wbr.indprop.gov.sk/WebRegistre/UzitkovyVzor/Detail/50067-2021>.  
[POLLÁK, Martin (50%) - TÖRÖK, Jozef (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **I3 - Výstup publikačnej činnosti z časopisu – Iný (1)**

I3001 [307300] **Editorial for Special Issue “Advances in Computer-Aided Technology”** / Martin Pollák, Marek Kočiško - 2023.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 2 (2023), s. [1-3] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://10.3390/machines11020227>.  
[POLLÁK, Martin (50%) - KOČIŠKO, Marek (50%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.60  
Databázy: WOS: áno CCC: áno SCOPUS: áno

#### **P1 - Výstup publikačnej činnosti ako celok – Pedagogický (1)**

P1001 [309937] **Mikro-automatizácia systémov vo výrobných technológiách** / Martin Pollák, Dominik Sabol - 1. vyd. - Košice : Technická univerzita v Košiciach - 2024. - 61 s. [CD-ROM]. - ISBN 978-80-553-4629-8.  
[POLLÁK, Martin (50%) - SABOL, Dominik (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

#### **V1 - Výstup publikačnej činnosti ako celok – Vedecký (1)**

V1001 [307301] **Advances in Computer-Aided Technology** / Marek Kočiško, Martin Pollák - 1. vyd. - Basel : Multidisciplinary Digital Publishing Institute - 2023. - 244 s.. - ISBN 978-3-0365-6747-1.  
[KOČIŠKO, Marek (50%) - POLLÁK, Martin (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie



## V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník – Vedecký (15)

V2001 [302407] **Proces výroby prototypu karosárskych dielov s ohľadom na dizajn osobného automobilu** / Adrián Vodilka ... [et al.] - 2021.In: PRŮMYSLOVÉ INŽENÝRSTVÍ 2021 : Mezinárodní studentská vědecká konference : Sborník příspěvků. - Plzeň (Česko) : Západočeská univerzita v Plzni s. 248-255 [online]. - ISBN 978-80-261-0792-7 Spôsob prístupu:

<https://dspace5.zcu.cz/handle/11025/46458>.

[VODILKA, Adrián (25%) - HLAVATÁ, Simona (25%) - POLLÁK, Martin (25%) - KOČIŠKO, Marek (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V2002 [302408] **Implementácia prediktívnej údržby vretena sústruhu na základe nedeštruktívnej diagnostiky** / Simona Hlavatá ... [et al.] - 2021.In: PRŮMYSLOVÉ INŽENÝRSTVÍ 2021 : Mezinárodní studentská vědecká konference : Sborník příspěvků. - Plzeň (Česko) : Západočeská univerzita v Plzni s. 59-66 [online]. - ISBN 978-80-261-0792-7 Spôsob prístupu:

<https://dspace5.zcu.cz/handle/11025/46400>.

[HLAVATÁ, Simona (25%) - VODILKA, Adrián (25%) - KOČIŠKO, Marek (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V2003 [303004] **Application of collaborative robotics in the production process** / Martin Pollák, Adrián Vodilka, Marek Kočíško - 2022.In: Proceedings of Researchfora International Conference. - Bhubaneswar (India) : Institute for Technology and Research s. 49-55 [online]. - ISBN 978-93-90150-32-8

[POLLÁK, Martin (34%) - VODILKA, Adrián (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V2004 [303005] **Helios2 Time-Of-Flight Camera Settings Optimization for Digitization of Objects with Different Surface Properties** / Adrián Vodilka, Martin Pollák, Marek Kočíško - 2022.In: Proceedings of Researchfora International Conference. - Bhubaneswar (India) : Institute for Technology and Research s. 42-48 [online]. - ISBN 978-93-90150-32-8

[VODILKA, Adrián (34%) - POLLÁK, Martin (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V2005 [304009] **Application of augmented reality in teaching and computer modeling within technical documentation** / Simona Hlavatá ... [et al.] - 2022.In: EDULEARN22 - 14th International Conference on Education and New Learning Technologies, July 4th-6th, 2022, Palma, Mallorca, Spain. - Palma (Španielsko) : IATED s. 1684-1691 [online, CD-ROM, USB-key]. - ISBN 978-84-09-42484-9 Spôsob prístupu: <http://dx.doi.org/10.21125/edulearn.2022.0448>.

[HLAVATÁ, Simona (25%) - FRANAS, Eduard (25%) - KOČIŠKO, Marek (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V2006 [307074] **Use of IIoT Equipment for Error Messaging in Industrial Production** / Stanislav

Miščík, Jozef Dobránsky, Martin Pollák - 2023.In: 7th EAI International Conference on Management of Manufacturing Systems. - Cham (Švajčiarsko) : Springer Nature s. 89-104 [online]. - ISBN 978-3-031-22718-9 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-22719-6\\_7](http://dx.doi.org/10.1007/978-3-031-22719-6_7). [MIŠČÍK, Stanislav (34%) - DOBRÁNSKY, Jozef (33%) - POLLÁK, Martin (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: áno

V2007 [307302] **Polygonization of the surface digitized using Helios2 time-of-flight camera** / Adrián Vodilka, Martin Pollák, Marek Kočiško - 2023.In: 7th EAI International Conference on Management of Manufacturing Systems. - Cham (Švajčiarsko) : Springer Nature s. 31-43 [online]. - ISBN 978-3-031-22718-9 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-22719-6\\_3](http://dx.doi.org/10.1007/978-3-031-22719-6_3). [VODILKA, Adrián (34%) - POLLÁK, Martin (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: áno

V2008 [307563] **Design of PLC Control System by Micro-Automation Equipment** / Martin Pollák ... [et al.] - 2023.In: 2023 the 15th International Conference on Computer and Automation Engineering. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 447-451 [online]. - ISBN 979-8-3503-9623-2 - ISSN 2154-4352 Spôsob prístupu: <http://dx.doi.org/10.1109/iccae56788.2023.10111343>. [POLLÁK, Martin (20%) - SABOL, Dominik (20%) - KOČIŠKO, Marek (20%) - SVETLÍK, Jozef (20%) - KOVÁČ, Juraj (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: áno

V2009 [307657] **Konštrukčný návrh tlačovej hlavy za účelom recyklácie aditívnych materiálov** / Martin Pollák, Dominik Sabol - 2023.In: Výskum a vývoj kompozitných materiálových konfigurácií s pokročilými vlastnosťami pre aplikácie vo výrobných strojoch = Research and development of composite material configurations with advanced properties for applications in production machines. - Prešov (Slovensko) : Fakulta výrobných technológií s. 102-110 . - ISBN 978-80-553-4395-2 [POLLÁK, Martin (50%) - SABOL, Dominik (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

V2010 [307658] **Simulácia 3D tlačovej hlavy s drvičom prostredníctvom softvéru RoboDK** / Dominik Sabol, Martin Pollák - 2023.In: Výskum a vývoj kompozitných materiálových konfigurácií s pokročilými vlastnosťami pre aplikácie vo výrobných strojoch = Research and development of composite material configurations with advanced properties for applications in production machines. - Prešov (Slovensko) : Fakulta výrobných technológií s. 111-116 . - ISBN 978-80-553-4395-2 [SABOL, Dominik (50%) - POLLÁK, Martin (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

V2011 [307753] **Verification of the usefulness of the virtual reality application for URM assembly** / Jozef Svetlík ... [et al.] - 2023.In: 2023 the 15th International Conference on Computer and Automation Engineering. - Danvers (USA) : Institute of Electrical and Electronics Engineers s. 87-92

[online]. - ISBN 979-8-3503-9623-2 - ISSN 2154-4352 Spôsob prístupu:

<http://dx.doi.org/10.1109/iccae56788.2023.10111354>.

[SVETLÍK, Jozef (25%) - KOVÁČ, Juraj (25%) - POLLÁK, Martin (20%) - KOČIŠKO, Marek (20%) - STEJSKAL, Tomáš (5%) - ŠAŠALA, Michal (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: áno

V2012 [308133] **PLC control of a 2-axis robotic arm in a virtual simulation environment** / Martin Pollák, Marek Kočiško, Karol Goryl - 2023.In: Advances in Design, Simulation and Manufacturing VI : proceedings of the 6th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2023. - Cham (Švajčiarsko) : Springer Nature s. 50-59 . - ISBN 978-3-031-32766-7 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-32767-4\\_5](http://dx.doi.org/10.1007/978-3-031-32767-4_5).

[POLLÁK, Martin (34%) - KOČIŠKO, Marek (33%) - GORYL, Karol (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: áno

V2013 [308134] **Designing a workplace in virtual and mixed reality using the Meta Quest VR headset** / Adrián Vodilka ... [et al.] - 2023.In: Advances in Design, Simulation and Manufacturing VI : proceedings of the 6th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2023. - Cham (Švajčiarsko) : Springer Nature s. 71-80 . - ISBN 978-3-031-32766-7 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-32767-4\\_7](http://dx.doi.org/10.1007/978-3-031-32767-4_7).

[VODILKA, Adrián (25%) - KOČIŠKO, Marek (25%) - HLAVATÁ, Simona (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: áno

V2014 [308436] **Proposal for linking MOXA ioLogik and its application in IIoT** / Simona Konečná ... [et al.] - 2023.In: EAI international conference on automation and control in theory and practice. - Cham (Švajčiarsko) : Springer Nature s. 93-103 [online]. - ISBN 978-3-031-31966-2 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-31967-9\\_7](http://dx.doi.org/10.1007/978-3-031-31967-9_7).

[KONEČNÁ, Simona (25%) - KOČIŠKO, Marek (25%) - BARON, Petr (25%) - POLLÁK, Martin (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: áno

V2015 [308437] **Calibration of Panasonic TM-2000 welding robot using simulation software** / Karol Goryl, Martin Pollák - 2023.In: EAI international conference on automation and control in theory and practice. - Cham (Švajčiarsko) : Springer Nature s. 273-284 [online]. - ISBN 978-3-031-31966-2 Spôsob prístupu: [http://dx.doi.org/10.1007/978-3-031-31967-9\\_21](http://dx.doi.org/10.1007/978-3-031-31967-9_21).

[GORYL, Karol (50%) - POLLÁK, Martin (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: áno

### V3 - Výstup publikačnej činnosti z časopisu – Vedecký (11)

V3001 [302445] **Design and Implementation of 3D Printing Using a Universal Printing System on the Robot Arm UR5** / Martin Pollák, Marek Kočiško - 2021.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication

Technology Education and Science Roč. 10, č. 4 (2021), s. 1895-1899 [print, online]. - ISSN 2217-8309  
Spôsob prístupu: <https://doi.org/10.18421/TEM104-53>.  
[POLLÁK, Martin (50%) - KOČIŠKO, Marek (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

V3002 [302587] **Feasibility of predictive models for the quality of additive manufactured components based on artificial neural networks** / Sorin D. Grozav ... [et al.] - 2022.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 2 (2022), s. [1-19] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/machines10020128>.  
[GROZAV, Sorin D (20%) - STERCA, Alexandru D. (10%) - KOČIŠKO, Marek (30%) - POLLÁK, Martin (30%) - CECLAN, Vasile (10%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.60  
Databázy: WOS: áno CCC: áno SCOPUS: áno

#### Ohlasy:

2022 [01] VARGA, Gyula, DEZSO, Gergely, SZIGETI, Ferenc: Shape Accuracy Improvement in Selective Laser-Melted Ti6Al4V Cylindrical Parts by Sliding Friction Diamond Burnishing In: MACHINES vol.10, no.10 (2022) eISSN:2075-1702 Doi:10.3390/machines10100949  
[WOS:000873105300001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] POLLAK, Martin, KOCISKO, Marek: Editorial for Special Issue "Advances in Computer-Aided Technology" In: MACHINES vol.11, no.2 (2023) eISSN:2075-1702 Doi:10.3390/machines11020227  
[WOS:000989303700001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] GROZAV, Sorin D., STERCA, Alexandru D., KOCISKO, Marek: Artificial Neural Network-Based Predictive Model for Finite Element Analysis of Additive-Manufactured Components In: MACHINES vol.11, no.5 (2023) eISSN:2075-1702 Doi:10.3390/machines11050547  
[WOS:000997199900001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] SCHMIDT, Carsten, MORLOCK, Adrian, GRIESBAUM, Rainer: Investigation of Part Quality Achieved by Material Extrusion Printers in Relation to Their Price In: JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING vol.7, no.4 (2023) eISSN:2504-4494 Doi:10.3390/jmmp7040152  
[WOS:001055727800001] [NEIMPORTOVANÉ V CREPČ]

V3003 [303001] **Research into the Impact of Spindle Speed and Feed Rate Changes on the Life of a Deep-Drilling Technology Tool** / Martin Pollák ... [et al.] - 2022.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 10, č. 4 (2022), s. [1-20] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/machines10040268>.  
[POLLÁK, Martin (35%) - KOČIŠKO, Marek (35%) - PETRUS, Jaroslav (10%) - GROZAV, Sorin Dumitru (10%) - CECLAN, Vasile (10%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.60  
Databázy: WOS: áno CCC: áno SCOPUS: áno

#### Ohlasy:

2023 [01] POLLAK, Martin, KOCISKO, Marek: Editorial for Special Issue "Advances in Computer-Aided

Technology" In: MACHINES vol.11, no.2 (2023) eISSN:2075-1702 Doi:10.3390/machines11020227  
[WOS:000989303700001] [NEIMPORTOVANÉ V CREPČ]

2023 [01] JIN, Xiandi, ZHENG, Yi, ZHANG, Yanhu: Hierarchical microtextures generated by pulsed-laser manufacturing for surface geometry modulation In: JOURNAL OF MANUFACTURING PROCESSES vol.97, (2023) p.148-158 ISSN:1526-6125 eISSN:2212-4616 Doi:10.1016/j.jmapro.2023.04.068  
[WOS:000999117800001] [NEIMPORTOVANÉ V CREPČ]

V3004 [303002] **Use of Generative Design Tools in the Production of Design Products using 3D Printing Technology** / Martin Pollák, Jozef Török - 2022.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 11, č. 1 (2022), s. 249-255 [print, online]. - ISSN 2217-8309  
Spôsob prístupu: <http://dx.doi.org/10.18421/tem111-31>.  
[POLLÁK, Martin (50%) - TÖRÖK, Jozef (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

#### Ohlasy:

2023 [01] MELE, Mattia, PISANESCHI, Gregorio, CIOTTI, Michele: Environmental drawbacks of lightweight design algorithms in material extrusion additive manufacturing: a case study In: JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING vol.45, no.10 (2023) ISSN:1678-5878 eISSN:1806-3691 Doi:10.1007/s40430-023-04456-8  
[WOS:001069425000001] [NEIMPORTOVANÉ V CREPČ]

V3005 [303355] **Design and analysis of a bending mechanism produced by fdm technology** / Jozef Tkáč, Martin Pollák - 2022.In: MM Science Journal. - Praha (Česko) : MM Publishing č. 2022 (2022), s. 5614-5619 [print, online]. - ISSN 1803-1269 Spôsob prístupu: [https://doi.org/10.17973/MMSJ.2022\\_06\\_2022018](https://doi.org/10.17973/MMSJ.2022_06_2022018).  
[TKÁČ, Jozef (50%) - POLLÁK, Martin (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70  
Databázy: WOS: áno CCC: nie SCOPUS: áno

V3006 [304021] **Application of collaborative robotics in the production process** / Martin Pollák, Adrián Vodilka, Marek Kočíško - 2022.In: International Journal of Mechanical and Production Engineering. - Khandagiri (India) : Institute of Research and Journals-IRAJ Roč. 10, č. 4 (2022), s. 79-85 . - ISSN 2320-2092  
[POLLÁK, Martin (34%) - VODILKA, Adrián (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené  
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3007 [304022] **Helios2 time-of-flight camera settings optimization for digitization of objects with different surface properties** / Adrián Vodilka, Martin Pollák, Marek Kočíško - 2022.In: International Journal of Mechanical and Production Engineering. - Khandagiri (India) : Institute of Research and Journals-IRAJ Roč. 10, č. 4 (2022), s. 72-78 . - ISSN 2320-2092  
[VODILKA, Adrián (34%) - POLLÁK, Martin (33%) - KOČIŠKO, Marek (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V3008 [305887] **Development of a knowledge system for data management of the pre-production stages** / Martin Pollák, Marek Kočiško - 2022.In: TEM Journal : Technology, Education, Management, Informatics. - Novi Pazar (Srbsko) : Association for Information Communication Technology Education and Science Roč. 11, č. 4 (2022), s. 1774-1779 [print, online]. - ISSN 2217-8309 Spôsob prístupu: <http://dx.doi.org/10.18421/tem114-44>.  
[POLLÁK, Martin (50%) - KOČIŠKO, Marek (50%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: 0.70

Databázy: WOS: áno CCC: nie SCOPUS: áno

V3009 [307616] **Artificial Neural Network-Based Predictive Model for Finite Element Analysis of Additive-Manufactured Components** / Sorin D Grozav ... [et al.] - 2023.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 5 (2023), s. [1-13] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/machines11050547>.  
[GROZAV, Sorin D (20%) - STERCA, Alexandru D. (10%) - KOČIŠKO, Marek (30%) - POLLÁK, Martin (30%) - CECLAN, Vasile (10%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.60

Databázy: WOS: áno CCC: áno SCOPUS: áno

V3010 [308073] **Simulation design and measurement of welding robot repeatability utilizing the contact measurement method** / Martin Pollák, Karol Goryl - 2023.In: Machines. - Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 11, č. 7 (2023), s. [1-15] [online]. - ISSN 2075-1702 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/machines11070734>.  
[POLLÁK, Martin (70%) - GORYL, Karol (30%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.60

Databázy: WOS: áno CCC: áno SCOPUS: áno

V3011 [308135] **Influence of coolant properties and chip former geometry on tool life in deep drilling** / Marek Kočiško ... [et al.] - 2023.In: Applied sciences. - Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute Roč. 13, č. 14 (2023), s. [1-16] [online]. - ISSN 2076-3417 (online) Spôsob prístupu: <http://dx.doi.org/10.3390/app13148360>.  
[KOČIŠKO, Marek (40%) - POLLÁK, Martin (40%) - GROZAV, Sorin Dumitru (10%) - CECLAN, Vasile (10%)]

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.70

Databázy: WOS: áno CCC: áno SCOPUS: áno