Lista de lucrări în domeniul de studii universitare de licenţă:
Ştiinţe inginereşti-Inginerie industrială-Tehnologia Construcţiilor de maşini
COD:120-130-010

Numele şi prenumele: ***Máté Márton***

A. Teza de doctorat.
Contribuţii la optimizarea parametrilor geometrici şi cinematici ai cuţitelor roată cu dinţi înclinaţi. Universitatea „Transilvania" din Braşov, 1999.

B. Cărti publicate

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.
2004
1. HOLLANDA, D., **MÁTÉ,M**. *Aşchiere şi scule*, Editura Universităţii Petru Maior, 2004, ISBN 973 - 8084-95-4, 196 pagini.
2. **MÁTÉ, M**. *Calculul cuţitelor roată cu dinţi înclinaţi*, Editura Universităţii Petru Maior, 2004, ISBN 973-7794-02-8, 126 pagini.

2010
1. **MÁTÉ, M**. *Műszaki Mechanika-Kinematika* (Mecanica Tehnică -Cinematică), Erdélyi Múzeum-Egyesület (Societatea Muzeului Ardelean), 2010, ISBN978-606-8178-10-3, 193 pagini. https://doi.org/10.36242/mtf-10

2016
1. **MÁTÉ, M.** *Hengeres fogaskerekek gyártószerszámai* (Scule pentru danturarea roților dințate cilindrice). Erdélyi Múzeum-Egyesület (Societatea Muzeului Ardelean), 2016, ISBN 978-606-739-070-4, 372 pagini. https://doi.org/10.36242/mtf-12

B3. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.
1992
1. HOLLANDA, D., **MÁTÉ, M**., *Bazele aşchierii şi generării suprafeţelor*, îndrumar de laborator, Universitatea Tehnică din Tîrgu-Mureş, 1992. 122 pag.

1993
2. HOLLANDA, D., **MÁTÉ, M**., *Proiectarea sculelor aşchietoare*, îndrumar de laborator, Universitatea din Tîrgu-Mureş, 1993.

1999
3. HOLLANDA, D., **MÁTÉ, M**., *Scule aşchietoare*, îndrumar de laborator, Universitatea din Tîrgu-Mureş, 1999.
2007
MÁTÉ, M., *Scule aşchietoare*, îndrumar de laborator, Universitatea Sapientia, 2009.

B4. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.
2007
1. Bazele cercetării experimentale-curs
2. Scule aşchietoare- lucrări de laborator

2008

1. Mecanică-curs

2009
1. Cinematică- note de curs

2010
1. Cinematică- note de curs- actualizată şi completată.
2. Probleme de rezistenţa materialelor

2011
1. Probleme de mecanică
2. Scule aşchietoare (Capitolul I-geometria sculelor)

2012
1. Probleme de mecanică-reactualizate şi completate
2. Scule aşchietoare (Capitolul I-geometria sculelor, Capitolul IV-Cuţite profilate, Capitolul V-Broşe)

2013
1. Probleme de mecanică-reactualizate şi completate
2. Scule aşchietoare (Capitolul I-geometria sculelor, Capitolul II-Materiale pentru scule aşchietoare Capitolul IV-Cuţite profilate, Capitolul V-Broşe)

2016
1. Máté, M. Sisteme moderne de fabricație. Suport de curs. Aprobat de Deparatmentul de inginerie mecanică. 70 slideuri.

2017
Bazele cercetării experimentale. Suport lucrări de laborator. 62 pagini.

2019.
Tehnologia prelucrării la rece. Suport de curs.268 slideuri

2020.
Tehnologia prelucrării la rece. Suport de curs.292 slideuri
Vibrațiile mașinilor și utilajelor. Suport de curs. 189 slideuri.
Îndrumar de proiectare la tehnologia presării la rece. 50 pagini.
Îndrumar de proiectare la scule aşchietoare. 35 pagini.

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

2000
1. **MÁTÉ, M**. *About the Optimization Possibilities of Fellow's Cutters*. Proceedings of the International Conference on Gearing, Transmissions and Mechanical Systems, Nottingham, UK, 2000. Volum de Conferinţă, pag. 193-201, ISBN 1 86058 260 5.
2. BREZEANU, L., **MÁTÉ, M**. *The Study of the Influences of Cutting Forces on the Edge of Fellow's cutters through Finite Element Method*. Proceedings of the International Conference on Gearing, Transmissions and Mechanical Systems, Nottingham, UK, 2000. Volum de Conferinţă, pag. 921-928, ISBN 1 86058 260 5.
3. **MÁTÉ, M**., BREZEANU, L., *Stresses in the Tooth Basis When Cutting Using Fellow's Cutter, New Ways in Production Technologies* 2000, 15-16 June, Presov, Slovak Republic. Volum de Conferinţă, pag. 330-332.
4. **MÁTÉ, M**., BREZEANU, L., *The Modification of the Relief Angle Value Caused by the Cutting Forces When Cutting Using Fellow's Cutter, New Ways in Production Technologies* 2000, 15-16 June, Presov, Slovak Republic. Volum de Conferinţă, pag. 333-336.

2001

1. **MÁTÉ, M**. *A New Shaper Cutter Design*. Gear Tehnology Magazine, september/october 2001, Chicago, Illinois, U.S.A. pag.15-17.

2014

1. TOLVALY-ROȘCA, F., FORGÓ, Z., **MÁTÉ, M.** Evaluation of a Mixed CAD Gear Modeling from Time and Precision Point of View. 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania. Procedia Technology. Volume 19, Pages 1-1169 (2015) Pages 28-33. http://www.sciencedirect.com/science/journal/22120173/19

2015

1. Forgó Zoltán, Máté Márton, Tolvaly-Roşca Ferenc, Evaluation of a Mixed CAD Gear Modeling from Time and Precision Point of View, *Procedia Technology*, Vol. 19, 2015, pp. 28–33.

2017

1. **Forgó Zoltán, Kakucs András, Máté Márton, Tolvaly-Roşca Ferenc**, Development of Helical Teethed Involute Gear Meshed with a Multi-Edge Cutting Tool Using a Mixed Gear Teeth Modeling Method, *Elsevier Procedia Engineering*, Vol. 5, No 2, 2017, ISSN 1877-7058, pp. 1–6.

2019

1. **Máté, M**., Hollanda, D., Tolvaly-Rosca, F., Forgó, Z., Egyed-Faluvégi, E. Synthesis of a Profile Errorless Involute Shaper Cutter with Cylindrical Rake Face. 978-1-7281-5625-5/19/$31.00 ©2019 IEEE. pp. 000071-000076. https://af.booksc.eu/book/83420881/040fd1

2022

Máté, M., Tolvaly-Roșca, F., Hodgyai, N.; Drăgoi, M.V.: A new approach of defining the grinding wheel profile of the Gear Hob's Rake Face. in: 2022 IEEE 22nd International Symposium on Computational Intelligence and Informatics and 8th IEEE International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (CINTI-MACRo). 21-22 November 2022. Date Added to IEEE Xplore: 03 February 2023. DOI: 10.1109/CINTI-MACRo57952.2022.10029498. Publisher: IEEE

C2. Lucrări ştiinţifice publicate în reviste recunoscute in Baze de date internaţionale

1996

1. **MÁTÉ, M**., *Az egyenesfogú metszőkerék szerszámkapcsolószögének optimálása* (Optimizarea unghiului de angrenare a cuţitelor roată cu dinţi drepţi). Fiatal Műszakiak Tudományos Ülésszaka (Sesiunea Ştiinţiifică a Cadrelor Tehnice Tinere), 1996, Cluj-Napoca, Műszaki Tudományos Füzetek - FMTÜ I. sz. (1996) pag. 12-15. https://doi.org/10.36243/fmtu-1996.03

2. JANKA, Z., MÁTÉ, M., Szerszám az egyenesfogú evolvenskerekek megmunkálására hosszirányú hordósítással (Sculă pentru prelucrarea danturilor evolventice cilindrice drepte, cu bombaj pe lungimea dintelui). Fiatal Műszakiak Tudományos Ülésszaka (Sesiunea Ştiinţifică a Cadrelor Tehnice Tinere), Cluj-Napoca, Műszaki Tudományos Füzetek - FMTÜ I. sz. (1996), pag.16-19. https://doi.org/10.36243/fmtu-1996.04

2010

1. HOLLANDA, D., MÁTÉ M. On Some Peculiarities of Paloid Bevel Gear Worm-Hobs. Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, Vol.2, No 2 (2010)

pp.159-166, http://www.ebscohost.com/titleLists/a9h-journals.htm, ISSN 2066-8910 (online version) ISSN 2065-5916 (printed version) ISSN-L 2065-5916.

2011

1. Hollanda D., **Máté, M.** Study of the Edge Profile Variation Caused by the Re-sharpening by Profiled Milling Heads with Cutting Inserts. *Acta Universitatis Sapientiae, Electrical and Mechanical Engineering*, Vol. 3, No 3, 2011, pp. 93–104., EBSCO.
2. **Máté, M.**, Hollanda, D. Új felépítésű alakos tárcsamaró szerkezetéről és geometriai tulajdonságairól. Fiatal Műszakiak Tudományos Ülésszaka XVI., Kolozsvár, 2011 március 24-25. Műszaki Tudományos Füzetek, Fiatal Műszakiak Tudományos Ülésszaka XVI., Erdélyi Múzeum Egyesület, Műszaki Tudományos Füzetek - FMTÜ XVI. sz. (2011), pp.193-196. http://dspace.eme.ro/handle/10598-13564. https://doi.org/10.36243/fmtu-2011.47
3. **Máté, M.,** Hollanda, D. *About an Interesting Geometry Problem by Manufacturing Profiled Turning Tool and Holder*. MACRO 2011-International Conference on Recent Achievments in Mechatronics, Automation, Computer Science and Robotics, Proceedings of the Conference, Scientia Publishing House 2011, ISBN 978-973-1970-54-7, pp.143-150.
4. BUCUR B., MÁTÉ, M. Theoretical Peculiarities Regarding the Definition and Representation of the Rolling Surfaces by a Bevel Worm Gear with the Crown Gear of Inverted Conicity. The 5th Edition of the Interdisciplinarity in Engineering International Conference. "Petru Maior" University of Tîrgu Mureș, Romania, 2011, pp.165-169. Scientific Bulletin of the "Petru Maior" University of Tîrgu Mureș. 2011;8 (XXV)(2):151-154 (https://www.doaj.org/article/dd761c5331ee4fc59dfde9a99550aba2)

2012

1. MÁTÉ, M., HOLLANDA, D. Betétkéses alakos tárcsamarók profiltartásának kérdése. 2012 - XVII. FMTÜ Nemzetközi Tudományos Konferencia, Műszaki Tudományos Füzetek - FMTÜ XVII. sz. (2012) ISSN 2067 - 6808, pp.239-242. https://doi.org/10.36243/fmtu-2012.062. https://eda.eme.ro/xmlui/handle/10598/15471
2. MÁTÉ, M., HOLLANDA, D. The Repartition of the Cutting Speed by Shaving Using Axial Feed. Proceedings of the 6th Edition on the Interdisciplinarity in Engineering International Conference, 4-5 October 2012, "Petru Maior" University Publishing House, 2012, ISSN 2285 – 0945, ISSN–L 2285 – 0945, pp.45-49. (Indexat în EBSCO, Ulrich, etc.) https://inter-eng.umfst.ro/2012/proceedings.html

2013

3. Máté, M. The Single-Parametric Model of the Meshing By Cutting Cylindrical Gears Having Archimedean Spiral Curved Tooth Line. Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, volume 5, 2013, pp.73-84. ISSN 2066-8910 (online version) ISSN 2065-5916 (printed version) EBSCO
4. HOLLANDA, D., **MÁTÉ, M.** Hengerfelülettel élezett alakos tárcsamaró geometriája.(Geometria frezelor-disc profilate cu faţa de degajare cilindrică). A XVIII.-a Sesiune Ştiinţifică a Tinerilor Cercertători, Cluj-Napoca, 21-22 martie 2013. ISSN 2067-6808, pp.155-158. Műszaki Tudományos Füzetek - FMTÜ XVIII. sz. (2013) https://doi.org/10.36243/fmtu-2013.30
5. BITAY, E., **MÁTÉ, M**. Martin Lajos a feltaláló mérnök és lebegőkereke. (Lajos Martin the inventor engineer and his flying wheel). A XVIII.-a Sesiune Ştiinţifică a Tinerilor Cercertători, Cluj-Napoca, 21-22 martie 2013. ISSN 2067-6808, pp.77-82. Műszaki Tudományos Füzetek - FMTÜ XVIII. sz. (2013). https://doi.org/10.36243/fmtu-2013.11
6. **MÁTÉ, M**., HOLLANDA, D. The modeling of dedendum transition surfaces by cylindrical gears with Archimedean spiral shaped toothline (Arkhimédész-féle spirális vezérvonalú fogakkal rendelkező hengeres fogaskerekek foglábfelületének modellezése). The XIV.-th International Conference of Technical Sciences, November 22-23 2013.

Transylvanian Museum Society, ISBN: 978-606-8178-80-6 (e-book), pp. 99-109. http://eda.eme.ro/handle/10598/28084 https://doi.org/10.33895/mtk-2014.01.12

2014

1. MÁTÉ, M. Hengeres fogaskerekek teherbírásának növelését és hordképlokalizációját megvalósító alternatív lefejtési módszerek elemzése (Analiza unor procedee alternative de generare a roților dințate cilindrice, în scopul creșterii portanței și localizării petei de contact). A XIX. Fiatal Műszakiak Tudományos Ülésszaka, Kolozsvár, 2014 március 20-21. Konferenciakötet. Erdélyi Múzeum Egyesület, ISSN 2067-6808, pp.33-40. Műszaki Tudományos Füzetek - FMTÜ XIX. sz. (2014). https://doi.org/10.36243/fmtu-2014.002

2015

1. MÁTÉ, M., HOLLANDA, D., FALUVÉGI, E. The Constructive and Functional Geometry of the Cutter Head of Cylindrical Gears with Curved Toothline. MACRO-2015-International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics. Tirgu-Mures, Romania, March 6-7, 2015. Conference Proceedings. ISSN, ISSN-L: 2247-0948. pp.257-300.
2. MÁTÉ, M., GYÉRESI, H. About the Profile Constancy by Curved Teeth Cylindrical Gear Cutter Head. MACRO-2015-International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics. Tirgu-Mures, Romania, March 6-7, 2015. Conference Proceedings. ISSN, ISSN-L: 2247-0948. pp.13-24.
3. MÁTÉ M., HOLLANDA D. Az Archimédészi spirál fogirányvonalú fogaskerék burkolásának a burkolt felületsereg eloszlását jellemző aspektusáról. XV. Műszaki Tudományos Ülésszak Előadásai 2014, Kolozsvár. Műszaki Tudományos Közlemények - Volume 2. kötet (2015). pp. 153-160, http://hdl.handle.net/10598/28534, ISSN 2393- 1280. https://doi.org/10.33895/mtk-2015.02.16

2016

1. Forgó Zoltán, Kakucs András, **Máté Márton**, Papp István, Tolvaly-Roşca Ferenc, Popa-Müller Izolda, Lőrincz András, Forgódugattyús belső égésű motor, *Műszaki Tudományos Közlemények*, Vol. 4, No 4, 2016, ISSN 2393-1280, pp. 115–120., Erdélyi Digitális Adattár
2. MÁTÉ, M. A possible modelling of the constructive cutting geometry of the gear hobs. Proceedings of the 4-th International Scientific Conferece on Advances in Mechanical Engineering. Debrecen, october 13-15. ISBN-978-963-473-944-9, pp.324-328. https://www.worldcat.org/title/iscame-2016-proceedings/oclc/965883435
3. MÁTÉ M., GYÉRESI, H. A. Arkhimédész-féle spirális fogirányvonalú fogaskerék marófej-betétkések hátramunkálása. A XVI. Műszaki Tudományos ülésszak előadásai. Műszaki Tudományos Közlemények 4. Erdélyi Múzeum-Egyesület, ISSN 2393-1280, pp.105-114. https://doi.org/10.33895/mtk-2016.04.13
4. MÁTÉ, M., HOLLANDA, D. A hengeres fogaskerék-lefejtő csigamaró működő élgeometriájának vizsgálata. Műszaki Tudományos Közlemények - Volume 6. kötet (2017). pp. 137-146. https://doi.org/10.33895/mtk-2017.06.15.

2017

1. **Máté, M. Hollanda, D.** About the Profile Accuracy of the Involute Gear Hob. Acta Universitatis Sapientiae Electrical and Mechanical Engineering, 9 (2017) , pp. 5-18. DOI: 10.1515/auseme-2017- 000. ISSN 2066-8910 (online version); ISSN 2065-5916 (printed version); ISSN-L 2065-5916 De Gruyter open.
2. **MÁTÉ M.**, KÁNTOR A., LACZKÓ-BENEDEK, B. Metszőkerékkel lefejtett fogaskerekek profilpontosságának vizsgálata. (Studiul preciziei profilului roților dințate generate cu ajutorul cuțitelor-roată) A XXII: Fiatal Műszakiak Tudományos Ülésszak Előadásai. (Proceedings of the XXII-th International Scientific Conference of Young

Engineers). Műszaki Tudományos Közlemények 7. ISSN 2393-1280, pp. 279-282. https://doi.org/10.33895/mtk-2017.07.62. Műszaki Tudományos Közlemények - Volume 7. kötet (2017)
3. **MÁTÉ M., HOLLANDA, D.** A csigamaró származtató felületének torzulása az utánélezésekkel. *(Deformațiile suprafeței generatoare a frezei-melc în urma reascuțirilor)* A XVIII. MŰSZAKI TUDOMÁNYOS ÜLÉSSZAK ELŐADÁSAI.: PROCEEDINGS OF THE XVIII-TH INTERNATIONAL CONFERENCE OF TECHNICAL SCIENCES.. 102 p. Kolozsvár; Cluj-Napoca, Románia, 2017.11.25 Erdélyi Múzeum Egyesület (EME); Óbudai Egyetem, 2018. pp. 75-84. in:(Műszaki Tudományos Közlemények - Papers on Technical Science; 8..)A XVIII. Műszaki Tudományos Ülésszak előadásai - Proceedings of the XVIII-th International Conference of Technical Sciences (ISBN:978-963-449-076-0) http://eda.eme.ro/handle/10598/30275

2019
1. MÁTÉ, M., HOLLANDA, D. Az egyenesfogú metszőkerék geometriai modell számítógépes kiértékelésének hibái. (The numerical evaluation errors of the geometric model of the straight teethed shaper cutter). XIX. Műszaki Tudományos Ülésszak Előadásai. Proceedings of the XIX-th International Conference of Technical Sciences. pp. 53-58. Műszaki Tudományos Közlemények - Volume 10. kötet (2019)https://eda.eme.ro/xmlui/handle/10598/31165 https://doi.org/10.33894/mtk-2019.10.06
2. PAPP, I., **MÁTÉ, M.** Mechanizmusok optimális kiegyensúlyozásának elmélete. (The Theory of Optimal Balancing of Mechanisms). XIX. Műszaki Tudományos Ülésszak Előadásai. Proceedings of the XIX-th International Conference of Technical Sciences. pp.63-70. Műszaki Tudományos Közlemények - Volume 10. kötet (2019), https://eda.eme.ro/xmlui/handle/10598/31167 https://doi.org/10.33894/mtk-2019.10.08

2021

2. GYÉRESI, H.A., CRISTEA ,L., **MÁTÉ, M.** Az Arkhimédész-féle spirális vezérvonalú fogaskerék lefejtő marófeje pontosságának növelése. (The improvement of the precision of the Archimedean spiral toothline gear cutting mill). Műszaki Tudományos Közlemények 14. (2021), pp 23-29
https://doi.org/10.33895/mtk-2021.14.04 English: https://doi.org/10.33894/mtk-2021.14.04 .

3. HODGYAI. N, TOLVALY-ROȘCA, F., **MÁTÉ, M**. Az alámetszés körülményei lekerekített gyártó fogasléc esetében. (The conditions of undercut by shaping using rounded profile gear shaper cutter). Műszaki Tudományos Közlemények 14. (2021) pp. 30-36. https://doi.org/10.33895/mtk-2021.14.05 English: https://doi.org/10.33894/mtk-2021.14.05 ,

4. KELEMEN, Cs., **MÁTÉ, M.** Evolvens csiga gyártási pontosságának vizsgálata kinematikai modell segítségével. (The study of the manufacturing precision of the involute worm with a geometric model). Műszaki Tudományos Közlemények 14. (2021) pp. 44-50. https://doi.org/10.33895/mtk-2021.14.07 English: https://doi.org/10.33894/mtk-2021.14.07 ,
5. Hodgyai Norbert, Tolvaly-Roșca Ferenc, **Máté Márton:** Klasszikus és módosított fogtőgörbe összehasonlító vizsgálata. Műszaki Tudományos Közlemények vol. 15. (2021) 25–32.DOI: Magyar: https://doi.org/10.33895/mtk-2021.15.06. Angol: https://doi.org/10.33894/mtk-2021.15.06
6. Norbert HODGYAI, **Márton MÁTÉ**, Ferenc TOLVALY-ROȘCA, Mircea Viorel DRĂGOI: Peculiarities of the Grinding Process of a Gear Hob Helical Rake Face. Acta Universitatis Sapientiae, Electrical and Mechanical Engineering, 13 (2021) 39-51. DOI:

10.2478/auseme-2021-0004.

2022

1. HODGYAI, N., DRĂGOI, M. V., TOLVALY-ROȘCA, F., MÁTÉ, M. A modul csigamaró homlokfelületének köszörüléséről. Műszaki Tudományos Közlemények – International Scientific Series of the Transylvanian Museum Society, Vol. 16. (2022), pp. 31-35. https://doi.org/10.33894/mtk-2022.16.06 Hungarian version: https://doi.org/10.33895/mtk-2022.16.06

C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS (altele decât cele din baze de date internaţionale).

2007

1. **MÁTÉ, M.**, HOLLANDA, D. *Elméleti profilhiba-mentes egyenesfogú metszőkerék geometriája*.(Geometria cuţitului-roată cu dinţi drepţi, fără erori teoretice de profil) The 15-th International Conference on Mechanical Engineering, Cluj, 2007. Volum de conferinţă editat în cadrul revistei „Műszaki Szemle" (acreditată de CNCSIS), pag. 245-248, ISSN 1454-0746.

2008

1. **MÁTÉ, M.**, HOLLANDA, D. *Alakos tárcsamarók forgácsképzésének javítása henger-homlokfelület kialakítással* (Îmbunătăţirea condiţiilor de formare ale aşchiilor la frezele disc profilate prin executarea feţei de degajare după o suprafaţă cilindrică). The 16-th International Conference on Mechanical Engineering, Braşov, 2008. Volum de conferinta editat în cadrul revistei „Műszaki Szemle"(acreditata deCNCSIS), pag. 217-222, ISSN 1454-0746.

2009

1. HOLLANDA, D., **MÁTÉ, M.**, TOLVALY-ROŞCA, F. *Kúpfogaskerék fogprofil mérőkészülék* (Aparat pentru măsurarea profilului danturilor conice). The 17-th International Conference on Mechanical Engineering, Gheorghieni, 2009. Volum de conferinţă editat in cadrul revistei „Műszaki Szemle" (acreditată CNCSIS), ISSN 1454-0746, pag. 161-164.

2010

1. HOLLANDA, D., **MÁTÉ, M.**,*On Some Pecularities of the Paloid Bevel Gear Worm-Hob*. MACRo 2010-International Conference on Recent Achievments in Merchatronics, Automation, Computer Science and Robotics. Proceedings of the 2nd Conference on Recent Achievments in Merchatronics, Automation, Computer Science and Robotics. ISBN978-973-1970-39-4, Editura Scientia 2010. pag.227-233.

2013

1. **MÁTÉ, M.**, HOLLANDA, D. A forgácsolósebesség eloszlása hántolótárcsás fogaskerék-hántolás esetében (About the Distribution of the Cutting Velocity in Case of Gear Shaving Using Disk-type Shaver). Műszaki Szemle, 60. sz., 2012, ISSN 1454-0746., pp.14-22.

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

1991

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2018
Dezvoltarea unui cuțit-roată cu dinți drepți având geometrie optimă. Bursă de cercetare „Domus" pe bază de contract nr. 4038/24/2018/HTMT, oferită de Academia de Științe Maghiară. perioada 2018-2019. Valoare: 300000 HUF.- director.

2019
Dezvoltarea unor procedee de ascuțire ale cuțitelor-roată pentru asigurarea unghiului de degajare optim. Optimális homlokszöget biztosító homlokfelületek és élezések kialakítása egyenesfogú metszőkeréken. Bursă de cercetare „Domus" pe bază de contract nr. 2528/29/2019/HTMT, **director.**

I. Premii, distincţii.

Premiul II, la sesiunea de comunicări ştiinţifice studenţeşti, faza judeţeană, Braşov, 1986, cu lucrarea "Studiul posibilităţilor de detalonare a frezelor disc profilate după curbe cicloidale". Conducătorul temei: conf.dr.ing. Gheorghe Mareş, Universitatea "Transilvania" din Braşov.

Premiul acordat de Societatea Tehnico-Ştiinţifică din Transilvania, 2004.

Premiul „Jenei Dezső" acordat de către Societatea Muzeului Ardelean, 2017.
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J. Citații (independente)

Nr. Pub-licației	Nr. cita-ției	Autori	Titlu	Detalii
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13		Máté, M.; Hollanda, D.; Tolvaly-Roşca, F.; Forgó, Z.; Egyed-Faluvégi, E.	Synthesis of a Profile Errorless Involute Shaper Cutter with Cylindrical Rake Face.	In Proceedings of the 2019 IEEE 19th International Symposium on Computational Intelligence and Informatics and 7th IEEE International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics (CINTI-MACRo), Szeged, Hungary, 14–16 November 2019; pp. 71–78. [Google Scholar] [CrossRef]
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K. Alte realizări semnificative. Participări la conferinţe naţionale şi internaţionale (cele la care aţi susţinut comunicări)

RECENZII DE CĂRŢI ŞI DE ARTICOLE ŞTIINŢIFICE APĂRUTE ÎN REVISTE DE SPECIALITATE

1. A. K. Chattopadhyay, R. N. Bannerjee and Partha Priya Datta: Computer Aided Stress and Deflection Analzsis of Fellow's Gear Shaping Cutter, for different Cutting Process Parameters.

Articol propus spre publicare la 23 februarie 2004 în Journal of Engineering Manufacture, Proceedings of the Institution of Mechanical Engineers Part B, Professional Engineering Publishing, Professional Engineering Publishing Limited. Northgate Avenue, Bury St Edmunds, Suffolk, IP23 6BW, UK.

2. Shinn-Liang Chang and Huang-Chi Tseng: Design a Novel Cutter for Manufacturing Helical Cutting Tools

Articol propus spre publicare la 3 martie 2004 în Journal of Engineering Manufacture, Proceedings of the Institution of Mechanical Engineers Part B, Professional Engineering Publishing, Professional Engineering Publishing Limited. Northgate Avenue, Bury St Edmunds, Suffolk, IP23 6BW, UK.

3. Shu, R. H., Fong, Zhang-Hua Study on the Serration Displacement of Gear Plunge-shaving Cutter. Articol propus spre publicare la 5 mai 2005 în Journal of Engineering Manufacture, Proceedings of the Institution of Mechanical Engineers Part B, Professional Engineering Publishing, Professional Engineering Publishing Limited. Northgate Avenue, Bury St Edmunds, Suffolk, IP23 6BW, UK.

4. Finite element analysis of orthogonal hard turning with different tool geometries. Balázs Zsolt Farkas1, Budapest University of Technology and Economics, Dept. of Manufacturing Science and Engineering, Budapest. 7th *International Congress on Precision Machining*. ICPM 2013. 03 - 05 October 2013, Miskolc, Hungary.

5. Preliminary Study of Ozone Utilization in Elimination of Bacterial Contamination in Metalworking Fluids. Gerulova Kristina, Buranska Eva, Tatarka Ondrej, Szabova Zuzana. Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Institute of Safety and Environmental Engineering. 7th *International Congress on Precision Machining*. ICPM 2013. 03 - 05 October 2013, Miskolc, Hungary.

6. Shape investigation of worn cutting inserts with utilization of active triangulation. Ladislav MOROVIČ, Ivan BURANSKÝ, Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Institute of Production Technologies, Department of Machining, Assembly and Forming. 7th *International Congress on Precision Machining*. ICPM 2013. 03 - 05 October 2013, Miskolc, Hungary.

7. Up to Date Mathematical Model for Analysing of Cylindrical Worm Power with Bevel-Gear. Balajti, Zsuzsa, Nandorine Toth, Maria. 1Department of Descriptive Geometry,

University of Miskolc, Hungary. 7th *International Congress on Precision Machining*. ICPM 2013. 03 - 05 October 2013, Miskolc, Hungary.
8. ISSN 1330-3651 (Print), ISSN 1848-6339 (Online) UDC/UDK XXX.X.XXX:XXX.XXX USE OF COOLANTS AND LUBRICANTS IN HARD MACHINING. (Hidden Author). TEHNIČKI VJESNIK • TECHNICAL GAZETTE Znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku / Scientific-professional Journal of Technical Faculties of University in Osijek Strojarski fakultet/Tehnički vjesnik.
9. EPICYCLOIDAL GEAR SHAPING MACHINE. ZAH Mihai1, LATES Daniel, CSIBI Vencel. Technical University of Cluj-Napoca, Department of Mechatronics and Machine Dynamics, B-dul Muncii Nr. 103-105, 400641 Cluj-Napoca, Romania, EU. Acta Universitatis Sapientiae, Electrical and Mechanical Engineering.

REALIZĂRI PRACTICE SEMNIFICATIVE

1. Ştand pentru rodarea mecanismelor contoarelor de 3mch, respectiv. 1mch, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1988.

Scopul standului a fost aceea de a pune în mişcare cât se poate de multe mecanisme de contoare. Deşi mecanismul de înregistrare ale celor două tipuri de contoare a fost diferit, prin proiectare modulară am realizat un dispozitiv, care să asigure orientarea şi fixarea ambelor tipuri de mecanisme.

2. Maşină pentru ondulat tablă în profil compus din arce de cerc, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1989.

Tema de proiectare am rezolvat-o prin adoptarea unui strung normal, la care arborele principal să fie terminat într-o roată dinţată specială, care să angreneze cu o altă roată, ambele având profil special. Tabla ce trebuia ondulată, a fost interpretat în modelul geometric ca fiind o cremalieră de profil special.

3. Ştanţă de debitare cu placă activă oscilantă, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1988.

Stanţa a fost destinată decupării de precizie a unor gusee, de formă trapez dreptunghic. Placa activă putea să oscileze în jurul unui bolţ, având axa paralelă cu direcţia de coborâre a berbecului. În urma testelor, s-a constatat, că precizia, dar şi viteza de prelucrare au crescut.

4. Cheie elicoidală pentru asamblarea scaunului ventilelor colţare, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1989.

Dispozitivul proiectat a soluţionat dezavantajele tehnologiei clasice, respectiv a dificultăţii de asamblare a scaunului ventil. Principiul de funcţionare al dispozitivului a coincis cu aceea a blocării cu contrapiuliţe;

5. Proiectarea dispozitivelor pentru sudură necesare realizării turnului de telecomunicaţii de 44 m, de la Platforma Teleajen, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1988.

Problema a constat în sensibilitatea deosebită a construcţiei, privitor la precizia de execuţie.

6. Instalaţie pentru turnarea centrifugală a compoziţiei de lagăr pentru fabricarea cuzineţilor compresoarelor de gaz metan tip Thomassen, şi GKNA10, Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1987.

Dispozitivul a fost conceput şi construit cu scopul de a recondiţiona stratul antifricţiune pe suprafeţele active ale cuzineţilor, respectiv de a turna compoziţia de lagăr. S-a realizat în două variante: cu axă orizontală, şi cu axă de rotaţie verticală. Curgerea centrifugală a compoziţiei a fost modelată, iar variaţia de grosime a stratului a fost prezisă cu o precizie de 0,1 mm.

7. Cercetări experimentale cu privire la posibilităţile de utilizare a teflonului, respectiv a poliamidei la fabricaţia segmenţilor compresoarelor de gaz metan. Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1988.

Tema de cercetare a avut scopul de a elucida posibilităţile de utilizare ale materialelor plastice în compresoarele de gaz metan. Fiind dat faptul că temperatura din interiorul cilindrului părţii de compresor nu a depăşit valoarea de 90□, înlocuirea , din punct de vedere teoretic, a fost posibilă. Pentru obţinerea de valori numerice, am realizat un ştand de experimentare, în care am studiat uzura funcţie de viteza relativă (tangenţială) şi presiunea de contact. Studiul s-a finalizat prin diagrame şi o relaţie empirică.

8. Modelarea analitică a încărcării şi a deformaţiilor segmenţilor. Întreprinderea Mecanică pentru Gaz Metan Mediaş, 1988.

Scopul temei a fost dezvoltarea unei forme de segment, care să exercite în timpul funcţionării o presiune cât mai uniformă pe pereţii cilindrului. Aplicând teorema lui Betti, pornind de la forma circulară perfectă a segmentului încărcat din interior cu o forţă uniform distribuită, am ajuns la forma segmentului netensionat. Modelul a corespuns scopurilor practice, însă este capabil de optimizare. Calculele au fost făcute pe un calculator tip "Times", folosind limbajul Basic.

PARTICIPĂRI LA CONFERINŢE

1993

VIII-th International Conference on Tools, Miskolc, Ungaria, 1993.

1. **MÁTÉ, M**., *Allgemeine Analyse des Verzahnungs mit Schneidräder, und die Bestimmung einzelner Elementen des Schneidrads*. (Analiza generală a procesului de danturare cu cuţite roată, şi determinarea anumitor elemente geometrice ale acestora) Volum de Conferinţă, pag. 438-443, ISBN 963 661 215 3

1995

MICRO-CAD 1995, Miskolc, Ungaria

1. **MÁTÉ, M**., *Analitische Erfahrung für die Berechnung der allgemeine Profilfehler der Werkstück, im Abhängnis von die Fertigung- und Lagefehlers der Profilmesserscheiben*. (Metodă analitică de determinare a erorii totale de profil a piesei, în funcţie de erorile de execuţie şi de poziţionare ale cuţitului disc profilat.). Volum de Conferinţă, pag.75-80.

1996

IX-th International Conference on Tool, Miskolc, 3-5 sept.1996.

1. **MÁTÉ, M**., *Die Vermeidung der Profilabweichungen bei Schrägschneidräder mit Treppenschärfschliff* (Reducerea erorilor de profil a cuţitelor roată de tip II), Volum de Conferinţă, pag. 495-500, ISBN 963 661 279 x.

The International Meeting of Specialists in the Field of Gears, Nov.7-10 1996, Baia Mare.

1. **MÁTÉ, M.,** *Reducerea erorilor de profil ale cuţitelor roată cu dinţi înclinaţi de tip II* Fellows, Volum de conferinţă, pag. 125-131.

Sesiunea Ştiinţifică a Cadrelor Tehnice Tinere, 1996, Cluj-Napoca

1. **MÁTÉ, M.**, *Az egyenesfogú metszőkerék szerszámkapcsolószögének optimálása* (Optimizarea unghiului de angrenare a cuţitelor roată cu dinţi drepţi). Volum de Conferinţă, pag. 51-54.

2. JANKA, Z., **MÁTÉ, M**., *Szerszám az egyenesfogú evolvenskerekek megmunkálására hosszirányú hordósítással* (Sculă pentru prelucrarea danturilor evolventice cilindrice drepte, cu bombaj pe lungimea dintelui). Volum de Conferinţă, pag. 55-58.

1998

OGÉT '98 Întâlnirea internaţională a specialiştilor din construcţia de maşini, Băile Harghitei, 1998.

1. **MÁTÉ, M**. *Fellow típusú metszőkerekek geometriájának optimálási lehetőségei* (Posibilităţi de optimizare a geometriei cuţitelor roată de tip Fellows). Volum de Conferinţă, pag. 85-88, ISSN 1454-0746

MicroCad '98, Miskolc, Ungaria.

2. **MÁTÉ, M**., HOLLANDA, D. *Die Vermeidung der Profilabweichungen bei Schrägschneidräder zweiter Art, durch Optimierung der Spanflächenform* (Reducerea erorilor de profil ale cuţitelor roată de tip Fellows prin optimizarea formei feţei de degajare). Volum de conferinţă, pag. 51-54.

1999

OGÉT '99 Întâlnirea internaţională a specialiştilor din construcţia de maşini, Băile Felix, 1999.

1. HOLLANDA, D., **MÁTÉ,M**. *Az egyenesfogú metszőkerék fogoldalainak parametrikus egyenletei.* (Asupra ecuaţiilor parametrice ale flancurilor cuţitului roată cu dinţi drepţi, Volum de Conferinţă, Editura Gloria Cluj, 1999, pag. 94-97). ISBN 973-9203-42-6

2000

OGÉT 2000- a VIII.-a întâlnire a specialiştilor din construcţia de maşini, Tîrgu- Mureş, 7-9-aprilie 2000.

1. HOLLANDA, D., **MÁTÉ, M**. *A gömbevolvens, az oktoid I és az oktoid II fogprofilok relatív helyzete* (Asupra poziţiilor relative ale profilelor în octoid I, octoid II şi evolventa sferică, Volum de Conferinţă, pag. 5-11). ISBN 973-9203-68-X.

Universitatea "Petru Maior". Sesiunea Jubiliară de Comunicări Ştiinţifice, 2000, Tîrgu Mureş.

1. HOLLANDA, D., **MÁTÉ M**. *Asupra unghiului de aşezare funcţional minim*. Volum de Conferinţă.

2. BREZEANU, L., **MÁTÉ, M**. *Consideraţii asupra variaţiei repartiţiei tensiunilor pe tăişul cuţitului roată*. Volum de Conferinţă.

2001

OGÉT 2001-a IX.-a Întâlnire a specialiştilor din Construcţia de Maşini, Cluj, 2001

1. HOLLANDA, D., **MÁTÉ, M**. *A Fellows típusú metszőkerék és a származtató lécprofil referenciasíkjainak relatív helyzetéről*. Konferenciakiadvány, 123-127 old. (Asupra poziţiilor relative ale planelor de referinţă ale cuţitului roată cu dinţi înclinaţi, şi a cremalierei generatoare, Volum de Conferinţă, pag. 123-127) ISSN 1454-0746.

2. HOLLANDA, D., **MÁTÉ, M**. A *Fellows típusú metszőkerekek profileltolásának ellenőrzése*. Konferenciakiadvány, 127-130 old. (Controlul deplasării specifice de profil ale cuţitelor roată cu dinţi înclinaţi tip Fellows. Volum de Conferinţă, pag. 127-130) ISSN 1454-0746.

3. HOLLANDA, D., **MÁTÉ, M**. *A fésűskés generáló vágóélprofiljának analitikus számítása nem evolvens profilok fogazására.* Konferenciakiadvány, 131-133 old. (Calculul profilului cremalierei pentru profile neevolventice. Volum de Conferinţă, pag. 131-133) ISSN 1454-0746.

2002

OGÉT 2002- a X.-a întâlnire a specialiştilor din construcţia de maşini, Odorheiu Secuiesc, 2002.

1. HOLLANDA, D., **MÁTÉ, M**. A *generálófelület meghatározása metszőkerekes fogaskeréklefejtésnél* konferenciakötet, 117-120 old (Stabilirea suprafeţei generatoare la danturarea cu cuţite roată. Volum de Conferinţă, pag. 117−120). ISSN 1454-0746.

Sesiunea Internationala Jubiliara a Facultăţii de Tehnologia Construcţiilor de Maşini, Universitatea din Miskolc, Ungaria, 2002

1. HOLLANDA, D., **MÁTÉ, M**., FORGO, Z., TOLVALY, F., POPA-MULLER, I. An *Universal Bevel Gear Tooth Profile Measuring Device*. Volum de Conferinţă.

2003

Microcad 2003. Miskolc, Ungaria

1. **MÁTÉ, M**. HOLLANDA, D. *About Tooth Flank Line Deviation By Cutting Using Fellow's Cutter*. Volum de conferinţă, pag. 161-166, ISBN 963 661 547 0, ISBN 963 661 559 4

INTERING 2003, Tîrgu Mureş.

1. SOCACIU,T., **MÁTÉ, M**. *An analysis regarding the variation of necessary force by the inverted extrusion processes*. Vol.I: Technological Engineering, assembly utilities and equipment in machine building, economy, economic engineering, marketing, pag. 199-204, ISBN 973-8084-81-4

2. BREZEANU, L., **MÁTÉ, M**. *Stresses and strains by milling process in direction of feed using a cylindrical mill.* Vol.I: Technological Engineering, assembly utilities and equipment in machine building, economy, economic engineering, marketing, pag. 87-90, ISBN 973-8084-81-4.

3. BREZEANU, L., **MÁTÉ, M**. *Stresses and strains by milling process in counter of feed using a cylindrical mill.* Vol.I: Technological Engineering, assembly utilities and equipment in machine building, economy, economic engineering, marketing, pag. 91-94, ISBN 973-8084-81-4.

OGÉT 2003- a XI.-a întâlnire a specialiştilor din construcţia de maşini, Cluj, 2002.

1. TERO, M., **MÁTÉ, M.**, OPELSZ, H. *Modelarea curgerii fluidelor vascoase prin medii poroase la realizarea materialelor plastice compozite*, Cluj-Napoca, Volum de conferinţă, pag. 228-235, ISBN 973-86097-2-0

2004

OGÉT 2004 - The 12th International conference In Mechanical Engineering, Şumuleu-Ciuc, 22-25 aprilie 2004.

1. **MÁTÉ, M.** *Forgácsolószerszámok optimális tervezésének sajátosságai*. OGÉT 2004 (Particularităţile proiectării optimale ale sculelor aşchietoare - prezentare în plen), Volum de Conferinţă, pag. 14-19 ISBN 973-86097-9-8.

2006

OGÉT 2006- XIV.-a întâlnire a specialiştilor din construcţia de maşini, Tîrgu-Mureş, 2006.

1. PAPP, I., **MÁTÉ, M**. *Ellenprofilok meghatározása kényszeregyenletekkel*. (Stabilirea profilelor reciproc înfăşurătoare cu ajutorul ecuaţiilor de constrângere). ISBN (10)973-7840-10-0, ISBN(13) 978-973-7840-10-2, pag. 288-292.

2. HOLLANDA, D., **MÁTÉ, M**. *Evolvenskereket lefejtő csigamaró származtató felületei* (Suprafeţele generatoare ale frezei melc-modul). ISBN (10)973-7840-10-0, ISBN(13) 978-973-7840-10-2, pag. 164-169.

2007

ICT2007, International Conference on Tools, Miskolc, 2007

1. **MÁTÉ, M.,** HOLLANDA, D. *The Improvement of the Edge Geometry of the Involute Shaper cutter with Straight Teets Using a Cylindrical Rake face*, pag. 187-192, Editura Universitatii din Miskolc, Ungaria, ISSN 1215-0851
The 15-th International Conference on Mechanical Engineering, Cluj, 2007.
1. **MÁTÉ, M.,** HOLLANDA, D. *Elméleti profilhiba-mentes egyenesfogú metszőkerék geometriája.* (Geometria cuţitului-roată cu dinţi drepţi, fără erori teoretice de profil). Volum de conferinţă editat în cadrul revistei „Műszaki Szemle"(acreditată de CNCSIS), pag. 245-248, ISSN 1454-0746.

2008
The 16-th International Conference on Mechanical Engineering, Braşov, 2008.
1. **MÁTÉ, M.,** HOLLANDA, D. *Alakos tárcsamarók forgácsképzésének javítása henger-homlokfelület kialakítással* (Îmbunătăţirea condiţiilor de formare ale aşchiilor la frezele disc profilate prin executarea feţei de degajare după o suprafaţă cilindrică). Volum de conferinţă editat în cadrul revistei „Műszaki Szemle"(acreditată de CNCSIS), pag. 217-222. ISSN 1454-0746.

2010
1. HOLLANDA, D., **MÁTÉ, M**.,O*n Some Pecularities of the Paloid Bevel Gear Worm-Hob*. MACRo 2010-International Conference on Recent Achievments in Merchatronics, Automation, Computer Science and Robotics. Proceedings of the 2nd Conference on Recent Achievments in Merchatronics, Automation, Computer Science and Robotics. ISBN978-973-1970-39-4, Editura Scientia 2010. pag.227-233.
2. 1. HOLLANDA, D., **MÁTÉ, M**. *A paloid csigamaró geometriai modellje és származtató felületei*.(Modelul geometric al frezei-melc paloide şi suprafeţele generatoare ale acesteia). OGÉT 2010–Conferinţa Internaţională de Inginerie Mecanică, ed. A XVIII-a, Baia Mare 22-25 aprilie2010. Volum de Conferinţă, ISSN2068-1267, pag.291-294.
2011
1. MÁTÉ, M., HOLLANDA, D. *Új felépítésű alakos tárcsamaró szerkezetéről és geometriai tulajdonságairó*l. Fiatal Műszakiak Tudományos Ülésszaka XVI., Kolozsvár, 2011 március 24-25. Műszaki Tudományos Füzetek, Fiatal Műszakiak Tudományos Ülésszaka XVI., Erdélyi Múzeum Egyesület, ISSN 2067-6808, http://dspace.eme.ro/handle/10598-13564.
2. MÁTÉ, M., HOLLANDA, D. *About an Interesting Geometry Problem by Manufacturing Profiled Turning Tool and Holder*. MACRO 2011-International Conference on Recent Achievments in Mechatronics, Automation, Computer Science and Robotics, Proceedings of the Conference, Scientia Publishing House 2011, ISBN 978-9731970-54-7, pp.143-150.
3. MÁTÉ, M., HOLLANDA, D. *A Sykes típusú metszőkerék máködő élgeometriájáról*. (About the functional geometry of Sykes shaper cutters). XIX. Nemzetközi Gépészeti Találkozó, Csíksomlyó, 2011. ápr.28-május 1. (19th International Conference on Mechanical Engineering, Csíksomlyó, April 28-May 1), ISSN 2068-1267, pp.248-251.
4. MÁTÉ, M., HOLLANDA, D. *A Possible Concept of Peripheral Edged Profile Mills for external Convex Profiles.* International Multidisciplinary Conference, Nyíregyháza, May 19-21, Hungary. Proceedings of the Conference, Bessenyei Publishing House, Nyíregyháza, 2011. ISBN 978-615-5097-18-8, pp.173-178.
5. Bucur, B., **MÁTÉ, M.** Theoretical peculiarities regarding the definition and representation of the rolling surfaces by a bevelworm gear with the crown gearof inverted conicity. Scientific Bullatin of the „Petru Maior" University of Târgu-Mureş, Vol.8 (XXV) no.2, 2011, ISSN 1841-9267, pp.151-154. http://scientificbulletin.upm.ro/2011/12/scientific-bulletin-vol-8-xxv-no-2-2011.

2012

1. MÁTÉ, M., HOLLANDA, D. the Cutting of Cylindrical Gears Having Archimedean Spiral Shaped Tooth Line. 13th International Conference on Tools, 27-28 March 2012, Miskolc, ISBN 978-963-9988-35-4, pp. 357-362.

2. MÁTÉ, M., HOLLANDA, D. Betétkéses alakos tárcsamarók profiltartásának kérdése. 2012 - XVII. FMTÜ Nemzetközi Tudományos Konferencia, ISSN 2067 - 6 808, pp.239-242.

3. MÁTÉ, M., HOLLANDA, D., LŐRINC, A. Az Archimédesz-féle spirális vezérgörbe megvalósításáról hátraeszterga-padon. (About the Archimedic Spiral Realization on Relieving Machines.) A XX.-a Conferinţă Internaţională de Inginerie Mecanică, Cluj-Napoca, 19-22 aprilie 2012, Volum de Conferinţă, ISSN 2068-1267, pag. 290-293. URI: http://hdl.handle.net/10598/15471

4. MÁTÉ, M., HOLLANDA, D. The Repartition of the Cuting Speed by Shaving Using Axial Feed. Proceedings of the 6th Edition on the Interdisciplinarity in Engineering International Conference, 4-5 October 2012, "Petru Maior" University Publishing House, 2012, ISSN 2285 – 0945, ISSN–L 2285 – 0945, pp.45-49.

2013

1. HOLLANDA, D., **MÁTÉ,M.** Hengerfelülettel élezett alakos tárcsamaró geometriája.(Geometria frezelor-disc profilate cu faţa de degajare cilindrică). A XVIII.-a Sesiune Ştiinţifică a Tinerilor Cercertători, Cluj-Napoca, 21-22 martie 2013. Volum de conferinţă. Societatea Muzeului Ardelean, ISSN 2067-6808, pp.155-158.

2. BITAY, E., **MÁTÉ,M.** Martin Lajos a feltaláló mérnök és lebegőkereke. (Lajos Martin the inventor engineer and his flying wheel). A XVIII.-a Sesiune Ştiinţifică a Tinerilor Cercertători, Cluj-Napoca, 21-22 martie 2013. Volum de conferinţă., Societatea Muzeului Ardelean, ISSN 2067-6808,pp.77-82.

3. **MÁTÉ, M**., HOLLANDA, D., TOLVALY-ROSCA, F., POPA-MÜLLER, I. Az Archimédesz-féle spirális vezérgörbéjű fogazat hordképének lokalizációja a tangenciális eltolás megfelelő beállításával. (The localization of the contact patch by cylindrical gear having an Archimedean toothline usoing the method of setting the tangential displacement).XXI-ik OGÉT-2013 (XXI-th International Conference of Mechanical Engineers), Arad, 25-28 apr. 2013, Conference Proceedings, ISSN 2068-1267, pp.265-268.

4. **MÁTÉ, M**., HOLLANDA, D. A Novel Solution of Profiled Disk Mill with Indexable Inserts. IMC-2013- International Multidisciplinary Confeence, May 22-24, 2013. Conference Proceedings Volume, Bessenyei Publishing House, Nyíregyháza, 2013, ISBN 978-615-5097-66-9, pp. 100-106.

5. **MÁTÉ, M.**, HOLLANDA, D. *The modeling of dedendum transition surfaces by cylindrical gears with Archimedean spiral shaped toothline (Arkhimédész-féle spirális vezérvonalú fogakkal rendelkező hengeres fogaskerekek foglábfelületének modellezése).* The XIV.-th International Conference of Technical Sciences, November 22-23 2013, e-book, Transylvanian Museum Society, ISBN: 978-606-8178-80-6 (e-book), pp. 99-109. http://eda.eme.ro/handle/10598/28084

2014

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