

**PAPERS INDEXED IN WEB OF SCIENCE (CLARIVATE ANALYTICS)****ISI Journals**

1. N. Baroiu, L. Baroiu, V.G. Teodor, T.L. Ciocan, Graphical method for profiling the side mill which generate helical flute of tungsten carbide dental cross cut bur, *Revista Română de Materiale*, Vol. 48 (1), pp. 131-139, 2018, ISSN 1583-3186, Impact Factor: 0.661
2. N. Baroiu, E.F. Beznea, I. Chirica, I. Iacob, Reaction of a sandwich type structure to static stress under the action of the snow, *Revista de Materiale Plastice*, Vol. 55 (2), pp. 219-22, 2018, ISSN 0025-5289, Impact Factor: 1.248
3. E.F. Beznea, I. Chirica, N. Baroiu, V.G. Teodor, Parametric study of experimental and numerical simulation of sandwich composite structures flexural behaviour, *Revista de Materiale Plastice*, Vol. 54 (4), pp.682-688, 2017, ISSN 0025-5289, factor de impact - 0.778;
4. M. Drăgănescu, N. Baroiu, L. Baroiu, C. Diaconu, O. Dumitriu Buzia, Efficient administration of human albumin in Clostridium Difficile infection, *Revista de Chimie*, Vol. 68 (3), pp. 602-604, ISSN 0034-7752, 2017, factor de impact - 1.232;
5. A. Zaharia, V. Mușat, V. Pleșcan Ghisman, N. Baroiu, Antimicrobial hybrid biocompatible materials based on acrylic copolymers modified with (Ag)ZnO/chitosan composite nanoparticles, *European Polymer Journal (EPJ)*, 84 (2016) 550–564, ISSN: 0014-3057, factor de impact 3.485
6. Viorel Paunoiu, Mamane Abdou Saadatou, Dumitru Nedelcu, Mircea Octavian, Experimental and numerical investigations of sheet metal circular bending, *IJEMS*, Vol.22, October, pp 487-496;
7. Dumitru Nedelcu, Simona Plavanescu (Mazurchevici), Viorel Paunoiu, Study of Microstructure and Mechanical Properties of Injection Molded Arboform Parts, *IJEMS*, Vol.22, October, pp 534-540;
8. Epureanu Al., Marinescu V., Constantin I., Banu M., Frumușanu G., Technique for online controlling the cutting process stability, *Indian Journal of Engineering & Materials Sciences* (2014) 21: 277-282. ISSN 0975-1017, factor de impact (2013) - 0.641;
9. Viorel Paunoiu, New approaches for springback-based offline dimensional control in sheet metal forming, *Indian J. Eng. Mater. Sci.*, ISSN 0971-4588, June 2014, pp. 303-310;
10. Bogdan Georgescu, Viorel Paunoiu, Octavian Mircea, Butt cold welding by overlapping side, *Indian J. Eng. Mater. Sci.*, ISSN 0971-4588, June 2014, pp. 311-314;
11. Berbinschi, N. Baroiu, V. Teodor, N. Oancea, End mill tool profiling by CAD method, *Indian Journal of Engineering & Materials Sciences (IJEMS)*, Vol. 21, pp. 296-302, 2014, ISSN 0971-4588, factor de Impact - 0.641;

**Proceedings ISI**

1. S. Totolici, V.G. Teodor, N. Baroiu, N. Oancea, A new profile for the worm gear drive of a spiral gear, *ModTech International Conference Modern Technologies in Industrial Engineering*, June 13-16, 2018, Constanța, Romania, IOP Conf. Series: Materials Science and Engineering 400 (2018) 042057 doi:10.1088/1757-899X/400/4/042057
2. N. Baroiu, V.G. Teodor, F. Susac, N. Oancea, Hob mill for trilobed rotor – Graphical method in CATIA – XXIII International Conference - Manufacturing, June 7-8, 2018, Kecskemét, Hungary, <http://manufacturing-gte.eu/>; IOP Conference Series: Materials Science and Engineering 448 (2018) 012005 doi:10.1088/1757-899X/448/1/012005
3. C. Afteni, G. Frumușanu, A. Epureanu, Instance-based comparative assessment with application in manufacturing, *IOP Conf. Series: Materials Science and Engineering 400* (2018) 042001 doi:10.1088/1757-899X/400/4/042001
4. C. Maier, V. Paunoiu, V. Marinescu, Al. Epureanu, Method for Deep Drawing Process Control Using Segmented-Multiple Active Drawbeads, *MATEC Web Conf.*, Volume 80, 14004 (2016), NUMIFORM 2016: The 12th International Conference on Numerical Methods in Industrial Forming Processes, DOI: <http://dx.doi.org/10.1051/matecconf/20168014004>;
5. G. Frumușanu, N. Badea, C. Afteni, A. Epureanu, Energy-efficiency based classification of the manufacturing workstation, *IOP Conf. Series: Materials Science and Engineering 227* (2017) 012047 doi:10.1088/1757-899X/227/1/012047
6. N. Baroiu, S. Berbinschi, V.G. Teodor, F. Susac, N. Oancea, The complementary graphical method used for profiling side mill for generation of helical surface, *ModTech International Conference Modern Technologies in Industrial Engineering*, June 14-17, Sibiu, Romania, IOP Conf. Series: Materials Science and Engineering, Vol. 227 Article Number: UNSP 012013, doi:10.1088/1757-899X/227/1/012013, 2017;
7. V.G. Teodor, N. Baroiu, S. Berbinschi, F. Susac, N. Oancea, A graphical solution in Catia for profiling end mill tool which generates a helical surface, *ModTech International Conference Modern Technologies in Industrial Engineering*, June 14-17,

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8. G. Frumușanu, V. Teodor, N. Oancea, Ring-tool profiling – graphical method in CATIA based on Generating trajectories theorem, IOP Conf. Series: Materials Science and Engineering 161 (2016) 012027, doi:10.1088/1757-899X/161/1/012027;
  9. N. Badea, G. Frumușanu, A. Epureanu, Energy-optimal programming and scheduling of the manufacturing operations, IOP Conf. Series: Materials Science and Engineering 145 (2016) 022028, doi:10.1088/1757-899X/145/2/022028;
  10. N. Badea, G.V. Badea, A. Epureanu, G. Frumușanu, Solar cooling - comparative study between thermal and electrical use in industrial buildings, IOP Conf. Series: Materials Science and Engineering 145 (2016) 022027, doi:10.1088/1757-899X/145/2/022027;
  11. G. Frumușanu, V. Teodor, N. Oancea, Ring-tool profiling – graphical method in CATIA based on Generating trajectories theorem, 20th Innovative Manufacturing Engineering and Energy Conference (IManEE 2016), Kallitea Chalkidiki, Greece, 23-25.09.2016;
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  15. N. Badea, G. Frumușanu, A. Epureanu, The relation between the shop floor energy system and the manufacturing process optimality, Modern Technologies in Industrial Engineering (MODTECH 2015) IOP Conference Series - Materials Science and Engineering, Vol. 95, Article Number 012022, 2015, DOI: 10.1088/1757-899X/95/1/012022;
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  17. V. Teodor, S. Berbinschi, N. Baroiu, N. Oancea, Graphical method for profiling hob mill that generate cycloid worms, 3rd International Conference on Modern Technologies in Industrial Engineering (ModTech), Mamaia, Romania, JUN 17-20, 2015, doi: 10.1088/1757-899X/95/1/012037
  18. S. Berbinschi, N. Baroiu, V. Teodor, N. Oancea, Profiling Method of Side Mill for Threading Screw for Dental Implants, Advanced Materials Research, Vol. 837, pp. 22-27, 2014, ISSN 1662-8985, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.22;
  19. N. Baroiu, M. Atudorei, S. Berbinschi, V. Teodor, CAD Method for Profiling Helical Surfaces of Parts Used in the Orthopaedic Reconstruction Surgery, Key Engineering Materials, Vol. 587, pp. 431-435, ISSN 1662-9795, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/KEM.587.431.