

Lista lucrărilor cele mai relevante

1. Epureanu, A., **Teodor, V.**, Dima, M., Oancea, N., *A Reconfigured Rack-Tool for the Generation of Gears*, International Journal of Advanced Manufacturing Technology, vol. 40, issue 7-8, pag 662-668, ISSN 0268-3768, 2009, **revistă indexată ISI**;
2. Oancea, N., **Teodor, V.**, Popa, I., Oancea, V., *An Efficient Approximate Profiling Method for the Rack Gear Tool*, International Journal of Advanced Manufacturing Technology, vol. 45, issue 3-4, pag. 326-335, ISSN 0268-3768, 2009, **revistă indexată ISI**;
3. Oancea, N., Popa, I., **Teodor, V.**, Oancea, V., *Tool profiling for generation of discrete helical surfaces*, International Journal of Advanced Manufacturing Technologies, vol. 50, Issue 1-4, pag. 37-46, ISSN 0268-3768, 2010, **revistă indexată ISI**;
4. **Teodor, V.**, Popa, I., Oancea, N., *The profiling of end mill and planing tool to generate helical surfaces known by sampled points*, International Journal of Advanced Manufacturing Technologies, vol. 51, Issue 5-8, pag. 439-452, ISSN 0268-3768, 2010, **revistă indexată ISI**;
5. Berbinschi, S., **Teodor, V.**, Oancea, N., *A Study on Helical Surface Generated by the Primary Peripheral Surfaces of Ring Tool*, International Journal of Advanced Manufacturing Technology, vol. 61, Combined 1-4, pag. 15-24, ISSN 0268-3768, 2011, **revistă indexată ISI**;
6. Berbinschi, S., **Teodor, V.**, Oancea, N., *3D Graphical Method for Profiling Tools that Generate Helical Surfaces*, International Journal of Advanced Manufacturing Technology, vol. 60, Combined 5-8, pag. 505-512, ISSN 0268-3768, 2011, **revistă indexată ISI**;
7. Berbinschi, S., **Teodor, V.**, Oancea, N., *3D Graphical Method for Profiling Gear Hob Tools*, International Journal of Advanced Manufacturing Technology, DOI 10.1007/s00170-012-3989-3, ISSN 1433-3015, ISSN 0268-3768, 2012, **revistă indexată ISI**;
8. Berbinschi, S., Baroiu, N., **Teodor, V.**, Oancea, N., *End Mill Tool Profiling by CAD Method*, Indian Journal of Engineering and Materials Sciences, vol. 21, pag. 296-302, ISSN 0975-1017 (Online); 0971-4588 (Print), 2014, **revistă indexată ISI**;
9. Baroiu, N., **Teodor, V.G.**, Berbinschi, S., Susac, F., Oancea, N., *New sharpening method and the behaviour of the multi-flute twist drill with curved cutting edge in machining operations*, Indian Journal of Engineering and Materials Sciences, Vol. 23, October 2016, pp. 357-369, ISSN 0975-1017 (Online); 0971-4588 (Print), **revistă indexată ISI**;
10. Baroiu, N., Baroiu, L., **Teodor, V.G.**, Ciocan, L.T., *Graphical Method for Profiling the Side Mill which Generate Helical Flute of Tungsten Carbide Dental Cross Cut Bur*, Romanian Journal of Materials, 2018, 48 (1), ISSN 2457-502X, pp. 131-139, **revistă indexată ISI**;

Teza de doctorat cu titlul: *Contribuții la elaborarea unei metode pentru profilarea sculelor care generează prin înfășurare*, în domeniul **Inginerie Industrială**, îndrumător: Prof. Dr. Ing. Nicolae Oancea

Lista brevetelor acordate în perioada 2001-2018

1. Brevet de invenție nr. 122263, *Cuțit-roată de danturat cu dinți amovibili*, inventatori: Dima, M., Epureanu, Al., **Teodor, V.**, Oancea, N., 2009;
2. Brevet de invenție nr. 122264, *Cuțit-pieptene pentru danturare*, inventatori: Epureanu, Al., Dima, M., **Teodor, V.**, Oancea, N., 2009;
3. Brevet de invenție nr. 122483, *Dispozitiv pentru rectificarea arborilor poliformi*, inventatori: Epureanu, Al., Ghiță, E., Dima, M., **Teodor, V.**, Roșca, C., Oancea, N., 2009;
4. Brevet de invenție nr. 125838, *Procedeu și dispozitiv pentru ascuțirea conică a burghiilor multițaiș cu muchie de așchiere în arc de cerc*, inventatori: Oancea, N., Fetecău, C., **Teodor, V.**, Dumitrașcu, N., Marinescu, V., 2011;

5. Brevet de invenție nr. 125839, *Procedeu și dispozitiv pentru ascuțirea cilindrică a burghiilor multităiș cu muchie de așchiere în arc de elipsă*, inventatori: **Teodor, V.**, Fetecău, C., Oancea, N., Dumitrașcu, N., Marinescu V., 2011.
6. Brevet de invenție nr. 126382, *Procedeu și dispozitiv pentru ascuțirea cilindrotoroidala a burghiilor elicoidale multităiș cu muchii de așchiere în arc de cerc*, inventatori: Oancea, N., **Teodor, V.G.**, Fetecau, C., Frumusanu, G.R., 2015.
7. Brevet de invenție nr. 127177, *Procedeu pentru ascuțirea hiperboloidala a burghiilor multităiș cu muchie de așchiere în arc de cerc*, inventatori: **Teodor, V.G.**, Baroiu, N., Fetecau, C., Berbinschi, S., Oancea, N., 2017

Lista lucrărilor publicate în perioada 2001-2012

Cărți publicate

1. Oancea, N., Baicu, I., **Teodor, V.**, Dima, M., *Generarea suprafețelor prin infasurare. Vol. III. Complementary*, Editura Fundatiei Universitare "Dunărea de Jos" din Galați, ISBN 973-627-106-4, ISBN 973-627239-7, 2005;
2. **Teodor, V.**, Oancea, N., Dima, M., *Profilarea sculelor prin metode analitice*, Editura Fundatiei Universitare "Dunărea de Jos" din Galați, ISBN (10)973-627-333-4, ISBN (13)978-973-627-333-9, 2006;
3. **Teodor, V.**, *Contributions to the Elaboration of a Method for Profiling Tools. Tools which Generate by Enwrapping*, Lambert Academic Publishing, ISBN 978-3-8433-8261-8, 2010;
4. Ripa, M., **Teodor, V.**, *Chapter 5.3. Influence of some kinematic and geometrical parameters of spur gears on the characteristics of the hertzian contact*, pp. 139-149, in DEVELOPMENT IN MACHINING TECHNOLOGY, vol. 1, 2011, Cracow University of Technology
5. **Teodor, V.G.**, Baroiu, N., Susac, F., *The Synthesis of New Algorithms for CAD Profiling of Cutting Tools*, Lambert Academic Publishing, ISBN 978-613-7-08923-1, 2018, 72 pag.
6. Baroiu, N., Popa, L.C., **Teodor, V.G.**, Berbinschi, S., Susac, F., *Pompe și compresoare elicoidale. Profilări CAD și analitice ale sculelor generatoare*, Editura Academica, ISBN 978-606-606-004-2, 2017, 355 pag.

Lucrări prezentate la conferințe internaționale

1. Oancea, N., **Teodor, V.**, *Algorithms for Rack-Gear Engendering of the Compound Profiles*, Proceedings of the International Conference on Manufacturing Systems ICMA S, Bucuresti, Editura Academiei Romane, pag. 241-244, ISBN 973-27-0932-4, 2002;
2. **Teodor, V.**, *Rack-Gear Tool Design Software for the Compound Profiles*, Proceedings of the Manufacturing Systems ICMA S, Bucuresti, pag. 273-276, ISBN 973-27-0932-4, 2002;
3. Oancea, N., **Teodor, V.**, *Generating Trajectory Method for Enwrapping Helical Surfaces Study*, Proceedings of the International Conference on Manufacturing Science and Education Challenges of the European Integration, Sibiu, pag. 239-244, ISBN 973-651-700-4, 2003;
4. **Teodor, V.**, Oancea, N., Baicu, I., Oancea, V.G., *The In-Plane Trajectories Method with Applications in Surfaces Generation*, Proceedings of the 8th World Multi-Conference on Systemics, Cybernetics and Informatics, Vol. V, Florida, USA, pag. 72-75, ISBN 980-6560-13-2, 2004, **conferință indexată ISI**;
5. Oancea, N., **Teodor, V.**, *The In-Plane Trajectories Method. Algorithm for Worm Cutter Tool Profiling*, Proceedings of The International Conference on Manufacturing Systems ICMA S, Tome 49, pag. 289-293, ISSN 0035-4074, 2004;
6. Oancea, N., **Teodor, V.**, *The Worm-Cutter Profiling for Ordered Profiles Vortex Generation - Worm Cutter Profiling Methods*, Computing and Solutions in Manufacturing Engineering, Brasov, pag. 397-405, 2004;

7. **Teodor, V.**, Oancea, N., Panait, C., *Profilul roții plane a angrenajului spiroidal tratat prin metoda traiectoriilor plane*, Tehnologii Moderne, Calitate, Restructurare, Vol. 3, Chisinau, Universitatea Tehnica a Moldovei, pag. 442-445, ISBN 9975-9875-3-2, 2005;
8. Epureanu, A., **Teodor, V.**, *On-Line Geometrical Identification of Reconfigurable Machine Tool using Virtual Machining*, XV International Conference on Computer and Information Science and Engineering, CISE, Barcelona, Spain, pag. 14-18, ISSN 1305-5313, ISBN 975-00803-4-3, 2006, **conferință indexată ISI**;
9. Marinescu, V., Constantin, I., Epureanu, A., **Teodor, V.**, *Graphical Programing of Programable Logic Controllers - Case Study for a Punching Machine*, XV International Conference on Computer and Information Science and Engineering, CISE, Barcelona, Spain, pag. 273-277, ISSN 1305-5313, ISBN 975-00803-4-3, 2006, **conferință indexată ISI**;
10. **Teodor, V.**, Oancea, N., Dima, M., Oancea, V.G., *Discontinuity Points on Cutting Tools Using Virtual Extension by In-Plane Trajectories Method*, The 10th World Multi-Conference on Systemics, Cybernetics and Informatics, Orlando, Florida, USA, 2006, **conferință indexată ISI**;
11. **Teodor, V.**, Cucu, M., Oancea, N., *The Worm Cutter Tool Profiling Based on the Discreet Surfaces Representation - The Tangent Method*, European Computing Conference, WSEAS Press, Athens, 2007, **conferință indexată ISI**;
12. **Teodor, V.**, Epureanu, A., Cuzmin, C., *Method for Identification on Geometric Feature Family Based on Genetic Algorithm and Neural Approach*, European Conference, WSEAS Press, Athens, 2007, **conferință indexată ISI**;
13. Cuzmin, C., **Teodor, V.**, Oancea, N., Marinescu, V., Epureanu, A., *Dimensional Dynamics Identification of Reconfigurable Machine Tools*, European Conference, WSEAS Press, Athens, 2007, **conferință indexată ISI**;
14. Cucu, M., Oancea, N., **Teodor, V.**, *Metoda tangentelor - profilarea sculei cremaliera pentru profiluri circulare*, TMCRC 2007, Universitatea Tehnica a Moldovei, vol. 2, Chisinau, pag. 86-89, ISBN 978-975-45-034-8, ISBN 978-9975-45-035-2, 2007;
15. Oancea, N., **Teodor, V.**, Cucu, M., *Worm Cutter Profiling Based on the Discreetly Surfaces Representation - The Tangents Method*, Proceedings of The 5th International Conference on Advanced Manufacturing Technologies - ICAMT 2007, AGIR Publishing House, pag. 319-324, ISSN 1843-3162, 2007;
16. Oancea, N., **Teodor, V.**, Bizim, L., *Metoda pentru analiza geometriei suprafetei de asezare a burghiilor - Ascutirea conică*, TMCRC 2007, Universitatea Tehnica a Moldovei, vol. 2, Chisinau, pag. 176-179, ISBN 978-975-45-034-8, ISBN 978-9975-45-035-2, 2007;
17. Oancea, N., Dima, M., **Teodor, V.**, *Algoritm pentru modelarea schemei de aschiere la generarea cu scula-melc a danturilor evolventice*, TMCRC 2007, Universitatea Tehnica a Moldovei, vol. 2, Chisinau, pag. 180-183, ISBN 978-975-45-034-8, ISBN 978-9975-45-035-2, 2007;
18. Oancea, N., **Teodor, V.**, Bizim, L., *The Helical Drill Sharpening Using the Cylindrical Peripheral Surface Modeling*, Proceedings of the 3rd International Conference on Manufacturing Science and Education - MSE 2007, Editura Universitatii "Lucian Blaga" din Sibiu, pag. 170-178, ISSN 1843-2522, 2007;
19. Oancea, N., Cucu, M., **Teodor, V.**, *Tangents Method for Graphical Representation of a Rotary Cutter Profile*, Proceedings of the 2nd International Conference on Engineering Graphics and Design - ICEGED 2007, Editura Cerami Iași, pag. 321-324, ISBN 978-973-667-252-1, 2007;
20. Cucu, M., **Teodor, V.**, Oancea, N., *Software for Worm Cutter Profiling*, Proceedings of the 5th International Conference on Advanced Manufacturing Technologies - ICAMT 2007, AGIR Publishing House, pag. 325-328, ISSN 1843-3162, 2007;
21. **Teodor, V.**, Oancea, N., Popa, I., Vacarus, V., *Rack-Gear Tool-Approximate profiling method*, Proceedings of the 2nd European Computing Conference, WSEAS, New Aspects on

- ComputingResearch, Malta, 11-13 September, ISSN 1790-5109 ISBN 978-960-474-002-4, 2008, **conferință indexată ISI**;
22. Oancea, N., Popa, I., **Teodor, V.**, *Rack-gear tool approximative profiling by Bezier polynomials. I. Circle arc elementary profile*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 12th Conference TMCR 2008, Tome LIV (LVIII), Fasc. 1, pag. 19-26, ISSN 1011-2855, 2008;
23. **Teodor, V.**, Oancea, N., Popa, I., *Rack-gear tool approximative profiling by Bezier polynomials. II. Involute and trochoidal profile*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 12th Conference TMCR 2008, Tome LIV (LVIII), Fasc. 1, pag. 27-34, ISSN 1011-2855, 2008;
24. Popa, I., Dura, G., **Teodor, V.**, Dima, M., *Algorithms for rack-gear tool profiling by Bezier polynomial approximation, for compozite profiles*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 12th Conference TMCR 2008, Tome LIV (LVIII), Fasc. 1, pag. 43-50, ISSN 1011-2855, 2008;
25. Popa, I., Dura, G., **Teodor, V.**, Oancea, N., *Frontal Ring Tool*, Proceedings of the 13th International Conference ModTech 2009, 21-23 May, Iasi, pp. 495-498, ISSN 2066-3919, 2009, **conferință indexată ISI**;
26. Epureanu, Al., **Teodor, V.**, Oancea, N., *Topological Modelling of the Part Geometry in Manufacturing*, International Conference WSEAS, Control 09, Tenerife, Spain, ISSN 1790-2769, ISBN 978-960-474-094-9, 2009, **conferință indexată ISI**;
27. Oancea, N., **Teodor, V.**, Popa, I., Dura, G., *The Gear Hub Profiling for Machining Surfaces with Discreetly Expressed Surfaces*, International Conference WSEAS, Control 09, Tenerife, Spain, ISSN 1790-2769, ISSN 978-960-474-094-9, 2009, **conferință indexată ISI**;
28. **Teodor, V.**, Popa, I., Popa, C., Dura, G., Oancea, N., *Algorithm For Gear Hub Tool Profiling By Bezier Polynomial Approximation. The Rotary Helical Screw Compressor Case*, The 8th WSEAS International Conference on System Science and Simulation in Engineering, 17-19 October, Genova, pp.103-106, ISSN 1790-2769, ISBN 978-960-474-131-1, 2009, **conferință indexată ISI**;
29. Paunoiu, V., **Teodor, V.**, Epureanu, Al., *Spring Back Compensation in Reconfigurable Multipoint Forming*, The 8th WSEAS International Conference on System Science and Simulation in Engineering, 17-19 October, Genova, pp.180-185, ISSN 1790-2769, ISBN 978-960-474-131-1, 2009, **conferință indexată ISI**;
30. **Teodor, V.**, Popa, I., Dura, G., Oancea, N., *The Profiling of Disk Tool for Generation of Discreetly Known Helical Surfaces*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, ISSN 1221-4566, 2009;
31. Oancea, N., Cucu, M., **Teodor, V.**, Dura, G., *End Mill and Planning Tool's Profiling for Generation of Discreetly Known Helical Surfaces*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, ISSN 1221-4566, 2009;
32. Cucu, M., **Teodor, V.**, Dumitrascu, N., Oancea, N., *The Corrective Profiling Modeling of Rack Tool for Involute Teethed Gear Generation*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, ISSN 1221-4566, 2009;
33. **Teodor, V.**, Epureanu, Al., Oancea, N., Petrus, V., Marin, F.B., *A new approach of mechanical structures topological geometry*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, ISSN 1221-4566, 2009;
34. Oancea, N., **Teodor, V.**, Dumitrascu, N., Fetecau, C., *Multi-Flute Helical Drill With Elliptical Cutting Edges*, International Conference on Manufacturing Systems, ICMS 2009, Buletinul Institutului Politehnic din Iași, tomul LV (LIX), fascicula 4, ISSN 1011 2855, 2009;
35. Paunoiu, V., **Teodor, V.**, Gavan, E., Nicoara, D., *Algorithm for the Geometric Configuration of the Reconfigurable Multipoint Forming Dies*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, pag. 95-100, ISSN 1221-4566, 2009;

36. Paunoiu, V., **Teodor, V.**, *Geometric Reconfiguration of the Multipoint Forming Dies Using Reverse Engineering*, The Annals of Dunarea de Jos University of Galati, fasc. V, NewTech 09, pag. 415-418, ISSN 1221-4566, 2009;
37. Fetecău, C., Oancea, N., Dima, M., **Teodor, V.**, *A New Approach of Surface Enveloping, Based on the Discreetly Surfaces Representation, in Order to Algoritmize and Informatize the Generating Tools Profiling*, International Conference „Inventics-performance and Technical Creativity”, Universitatea „A. I. Cuza”, Iași, pag. 722, ISBN 978-973-730-491-9, 2009;
38. Daschievici, L., Ghelase, D., **Teodor, V.**, *Dynamic and Thermal Aspects of Tribologic Processes in Metal Cutting*, International Conference WSEAS, ICOSSE 09, Iwate Prefectural University, Japan, 4-6 October 2010, pag. 139-142, ISSN 1792-507X, ISBN 978-960-474-230-1, 2010, **conferință indexată ISI**;
39. Berbinschi, S., **Teodor, V.**, Oancea, N., *Kinematical Method for Rack-Gear Tool's Profiling, in CATIA Design Environment*, Proceedings of the 14th International Conference ModTech 2010, 20-22 May, Slanic Moldova, pp.119-122, ISSN 2066-3919, 2010, **conferință indexată ISI**;
40. Fetecau, C., **Teodor, V.**, Dumitrascu, N., Oancea, N., *Method for Conical Sharpening of Multi-Flute Helical Drill with Curved Cutting Edge*, Proceedings of the 14th International Conference ModTech 2010, 20-22 May, Slanic Moldova, pp. 275-279, ISSN 2066-3919, 2010, **conferință indexată ISI**;
41. Vlad, D. V., Fetecau, C., **Teodor, V.**, Baroiu, N., *Comparison Between Numerical Simulation and Experimental Measurement of Cutting Force During Turning Process of Aluminium Alloys*, Proceedings of the 14th International Conference ModTech 2010, 20-22 May, Slanic Moldova, pp. 675-678, ISSN 2066-3919, 2010, **conferință indexată ISI**;
42. Berbinschi, S., **Teodor, V.**, Oancea, N., *3D Method, in CATIA Design Environment, for End Mill Tool's Profiling*, Proceedings of the 15th International Conference ModTech 2011, 25-27 May, pp. 81-84, ISSN 2069-6736, 2011, **conferință indexată ISI**;
43. Paunoiu, V., **Teodor, V.**, Baroiu, N., Maier, C., *Reconfigurability of Multipoint Forming Dies*, Proceedings of the 15 International Conference ModTech 2011, vol. 2, pp. 833-836, ISSN 2069-6736, 2011, **conferință indexată ISI**;
44. Berbinschi, S., Baroiu, N., **Teodor, V.**, *3D Method for Determination of Discontinuities on Tool which Generated by Enwrapping*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 4th International Conference ICEGD 2011, Tome LVII (LXI), Fasc. 5, pp. 31-38, ISSN 1011-2855, 2011;
45. Baroiu, N., Berbinschi, S., **Teodor, V.**, *The Reconstruction of a 3D Component Through Reverse Engineering*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 4th International Conference ICEGD 2011, Tome LVII (LXI), Fasc. 5, pp. 125-132, ISSN 1011-2855, 2011;
46. Popa, C., Berbinschi, S., **Teodor, V.**, *Graphic Procedure 2D for Determination of Area of "Embedded Space" Between the Screw Compressor Rotors*, Bulletin of the Polytechnic Institute of Jassy, Gh. Asachi Technical University, 4th International Conference ICEGD 2011, Tome LVII (LXI), Fasc. 6, pp. 73-78, ISSN 1011-2855, 2011;
47. Berbinschi, S., **Teodor, V.**, Oancea, N., *A 3D Method for Profiling the Shaping Tool for Generation of the Helical Surfaces*, Proceedings of the 15th International Conference on Manufacturing Science and Education - MSE 2011, 2-5 Iunie, Sibiu, Ed. Univ. Lucian Blaga, pag. 281-284, ISSN 1843-2522, 2011;
48. Baroiu, N., **Teodor, V.**, Berbinschi, S., Oancea, N., *Multi-Flute Helical Drills - The Modeling of a Hyperboloid Sharpening Method of the Back Faces*, Proceedings of the International Conference on Innovative Technologies, In-Tech 2011, 1-3 September, Bratislava, Slovakia, pag. 37-41, ISBN 978-80-904502-6-4, 2011;
49. Berbinschi, S., Baroiu, N., **Teodor, V.**, Oancea, N., *A Profiling Method for Secondary Order Tool for Drill Manufacturing*, The International Conference NewTech 2011 on

- Advanced Manufacturing Engineering, 14-15 September, Brno, Czech Republic, pag. 57-62, ISBN 978-80-214-4267-2, 2011;
50. N. Baroiu, S. Berbinschi, **V. Teodor**, N. Oancea, *The Modeling of the Active Surfaces of a Multi-Flute Helical Drill with Curved Cutting Edge Using the SV& Toolbox Environment*, Proceedings of the 13th International Conference on Tools – ICT, Miskolc, pag. 259-264, ISBN 978-963-9988-35-4, 2012;
51. N. Baroiu, **V. Teodor**, S. Berbinschi, N. Oancea, *The Methodology to Generate a Helical Flute for Drill with Curved Cutting Edge, Using SV& Toolbox Environment*, Proceedings of The 16th international Conference Modern Technologies, Quality and Innovation - ModTech, pag. 85-88, ModTech Publishing House, ISSN 2069-6736, 2012.
52. **Teodor, V.**, Berbinschi, S., Baroiu, N., Oancea, N., *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, **conferință indexată ISI.**
53. **V. Teodor**, S. Berbinschi, N. Baroiu, N. Oancea, *Study of the Enwrapping Profiles Associated with Rolling Centrodes by the Minimum Distance Method. Graphical Solution Developed in the CATIA Design Environment*, Applied Mechanics and Materials - Monitoring, Controlling and Architecture of Cyber Physical Systems, Vol. 656, pp. 181-191, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.656.181, ISSN: 1662-7482.
54. S. Totolici, **V. Teodor**, N. Baroiu, S. Berbinschi, *Spiroid Gear with Composite Profile of the Worm - Hob Mill Tool*, Advanced Materials Research - Modern Technologies in Industrial Engineering II, Vol. 1036, pp. 376-381, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.1036.376.
55. C.L. Popa, **V.G. Teodor**, N. Baroiu, N. Oancea, *Side Mill Tool Profiling for Generation of Helical Surfaces Determined by Reverse Engineering*, Applied Mechanics and Materials - Engineering Solutions and Technologies in Manufacturing, Vol. 657, pp. 28-32, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.657.28.
56. N. Baroiu, D. Boazu, S. Berbinschi, **V. Teodor**, *Modeling and Experimental Research Regarding the Temperature Distribution Along Curved Cutting Edges*, Advanced Materials Research - Modern Technologies in Industrial Engineering II, Vol. 1036, pp. 259-264, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.1036.259.
57. S. Berbinschi, **V.G. Teodor**, G. Frumușanu, N. Oancea, *The Pinion Cutter for Profiled Holes – Graphical Method in CATIA*, Applied Mechanics and Materials - Engineering Solutions and Technologies in Manufacturing, Vol. 657, pp. 720-724, 2014, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.657.720.
58. C.L. Popa, **V.G. Teodor**, N. Baroiu, S. Berbinschi, *Cutting Tools for Generating of Rotors Compressors*, Academic Journal of Manufacturing Engineering - AJME, Vol. 12, pp. 67-72, 2014, ISSN 1583-7904.
59. **V.G. Teodor**, V. Paunoiu, S. Berbinschi, N. Baroiu, N. Oancea, *The Metod of “In Plane Generating Trajectories” for Tools which Generate by Enveloping — Application in CATIA*, Journal of Machine Engineering, Vol 15, No. 4, ISSN 1895-7595, pag. 69-80, 2015.
60. **V.G. Teodor**, N. Baroiu, S. Berbinschi, N. Oancea, *A graphical expression for the method of substitutive circles family applied for profiling side mill designed to generate sealing worms of cycloid pumps*, Applied Mechanics and Materials Vol. 809-810, pag. 998-1003, 2015.
61. **V. Teodor**, G. Frumușanu, N. Oancea, S. Berbinschi, *Analytical Method to Profile the Hob Mill Generating an Ordinate Whirl of Surfaces with Non-Involute Profile*, Proceedings in Manufacturing Systems, Vol. 10, Issue 2, pp. 71-76, 2015, ISSN 2067-9238.
62. Paunoiu, V., **Teodor, V.**, Susac, F., *Researches regarding the hydroforming process of aluminum components*, 3rd International Conference on Modern Technologies in Industrial

- Engineering (ModTech), Mamaia, ROMANIA, JUN 17-20, 2015, doi 10.1088/1757-899X/95/1/012016, **conferință indexată ISI.**
63. V. Paunoiu, **V.G. Teodor**, N. Baroiu, *The hydro-multipoint forming process of complex sheet metal parts*, Journal of Machine Engineering, Vol 15, No. 3, pag. 16-116, 2015, ISSN 1895-7595.
64. G. Frumușanu, **V. Teodor**, N. Oancea, *Graphical Method in CATIA to Profile the Hob Mill for Generating the Slitting Saw Cutter Teeth*, Applied Mechanics and Materials Vol. 811 (2015) pp 85-91, 2015.
65. G. Frumusanu, **V.G. Teodor**, N. Oancea, *Comparative Analytical Solutions to the Problem of Profiling the End Mill Cutter to Generate Helical Surfaces*, Applied Mechanics and Materials Vol. 809-810, pag. 39-44, 2015.
66. V. Paunoiu, **V.G. Teodor**, C. Fetecau, *Virtual Manufacturing of Cranial Prosthesis by Reverse Engineering and Multipoint Forming*, Applied Mechanics and Materials Vol. 809-810, pag. 817-822, 2015.
67. **V.G. Teodor**, N. Baroiu, F. Susac, N. Oancea, *The modelling of involute teeth generation, with the relative generating trajectories method*, Academic Journal of Manufacturing Engineering - AJME, Vol. 14, Issue 4, 2016, ISSN 1583-7904.
68. Frumusanu, G., **Teodor, V.G.**, Oancea, N., *Ring-tool profiling - graphical method in CATIA based on generating trajectories theorem*, IManEE 2016, Kallithea Grece, IOP Publishing: Materials Science and Engineering, volume 161, article number: 012027, doi: 10.1088/1757/899X/161/1/012027, **conferință indexată ISI.**
69. **Teodor, V.**, Baroiu, N., Susac, F., N. Oancea, *The rack-gear tool generation modeling. Non-analytical method developed in CATIA, using the relative trajectories method*, IManEE 2016, Kallithea, Grece, IOP Publishing: Materials Science and Engineering, vol. 161, article number 012028, doi: 10.1088/1757/899X/161/1/012028, **conferință indexată ISI.**
70. N. Baroiu, **V.G. Teodor**, F. Iftode, *Monitoring a group of hydraulic pumps connected to the water feeding system of a civil building*, Advanced Engineering Forum, ISSN: 2234-991X, Vol. 21, pp. 474-481, 2016, doi:10.4028/www.scientific.net/AEF.21.474.
71. Baroiu, N., Berbinschi, S., **Teodor, V.G.**, Susac, F., Oancea, N., *The complementary graphical method used for profiling side mill for generation of helical surface*, ModTech International Conference - Modern Technologies in Industrial Engineering, Sibiu, JUN 14-17 2017, doi: 10.1088/1757-899X/227/1/012013, **conferință indexată ISI.**
72. **Teodor, V.G.**, Baroiu, N., Berbinschi, S., Susac, F., Oancea, N., *A graphical solution in CATIA for profiling end mill tool which generates a helical surface*, ModTech International Conference - Modern Technologies in Industrial Engineering, Sibiu, JUN 14-17, 2017, doi: 10.1088/1757-899X/227/1/012128, **conferință indexată ISI.**
73. **V.G. Teodor**, F. Susac, N. Baroiu, V. Păunoiu, N. Oancea, *Graphical method in Catia for side mill tool profiling using the generating relative trajectories*, Proceedings of 5th International Conference on Advanced Manufacturing Engineering and Technologies NEWTECH 2017, pp. 215-228, Springer International Publishing AG 2017, ISBN 978-3-319-56429-6, DOI 10.1007/978-3-319-56430-2.
74. E.N. Corolencu, **V.G. Teodor**, *Front Axle of Mercedes AMG GT. Modelling In Autodesk Inventor*, JIDEG, [S.l.], n. 12, p. 91-96, May 2017, ISSN 2344-4681.
75. N. Baroiu, **V.G. Teodor**, F. Susac, N. Oancea, *Hob mill profiling method for generation of timing belt pulley*, Proceedings of 5th International Conference on Advanced Manufacturing Engineering and Technologies NEWTECH 2017, pp. 13-26, Springer International Publishing AG 2017, ISBN 978-3-319-56429-6, DOI 10.1007/978-3-319-56430-2, 2017.
76. F. Susac, N. Baroiu, B.L. Marcu, D. Ganea, **V.G. Teodor**, *Parametric design of an electric driven reduction gear for anchor and mooring winches*, Proceedings of 5th International Conference on Advanced Manufacturing Engineering and Technologies

NEWTECH 2017, pp. 157-175, Springer International Publishing AG 2017, ISBN 978-3-319-56429-6, DOI 10.1007/978-3-319-56430-2, 2017.

77. N. Baroiu, **V.G. Teodor**, G.A. Costin, *Constructive-functional analysis of single-rod double-acting hydraulic cylinders*, Tehnomus Journal - New Technologies and Products in Machine Manufacturing Technologies, ISSN-1224-029X, pp. 126-131, 2017.

78. F. Susac, **V.G. Teodor**, D. Ganea, *Estimation of Heat Transfer Coefficient in Permanent Mold Casting Using Artificial Neural Networks*, Tehnomus Journal - New Technologies and Products in Machine Manufacturing Technologies, ISSN 1124-029X, pp. 178-182, 2017.

Lucrări publicate în reviste indexate ISI și BDI

1. Epureanu, A., **Teodor, V.**, Dima, M., Oancea, N., *A Reconfigured Rack-Tool for the Generation of Gears*, International Journal of Advanced Manufacturing Technology, vol. 40, issue 7-8, pag 662-668, ISSN 0268-3768, 2009, **revistă indexată ISI**;

2. Oancea, N., **Teodor, V.**, Popa, I., Oancea, V., *An Efficient Approximate Profiling Method for the Rack Gear Tool*, International Journal of Advanced Manufacturing Technology, vol. 45, issue 3-4, pag. 326-335, ISSN 0268-3768, 2009, **revistă indexată ISI**;

3. Oancea, N., Popa, I., **Teodor, V.**, Oancea, V., *Tool profiling for generation of discrete helical surfaces*, International Journal of Advanced Manufacturing Technologies, vol. 50, Issue 1-4, pag. 37-46, ISSN 0268-3768, 2010, **revistă indexată ISI**;

4. **Teodor, V.**, Popa, I., Oancea, N., *The profiling of end mill and planing tool to generate helical surfaces known by sampled points*, International Journal of Advanced Manufacturing Technologies, vol. 51, Issue 5-8, pag. 439-452, ISSN 0268-3768, 2010, **revistă indexată ISI**;

5. Berbinschi, S., **Teodor, V.**, Oancea, N., *A Study on Helical Surface Generated by the Primary Peripheral Surfaces of Ring Tool*, International Journal of Advanced Manufacturing Technology, vol. 61, Combined 1-4, pag. 15-24, ISSN 0268-3768, 2011, **revistă indexată ISI**;

6. Berbinschi, S., **Teodor, V.**, Oancea, N., *3D Graphical Method for Profiling Tools that Generate Helical Surfaces*, International Journal of Advanced Manufacturing Technology, vol. 60, Combined 5-8, pag. 505-512, ISSN 0268-3768, 2011, **revistă indexată ISI**;

7. Berbinschi, S., **Teodor, V.**, Oancea, N., *3D Graphical Method for Profiling Gear Hob Tools*, International Journal of Advanced Manufacturing Technology, DOI 10.1007/s00170-012-3989-3, ISSN 1433-3015, ISSN 0268-3768, 2012, **revistă indexată ISI**;

8. V., Paunoiu, **V. Teodor**, *Blank Shape Optimization in Deep Drawing with Combined Restraint*, Applied Mechanics and Materials, vol. 371, pp. 178-182, doi:10.4028/www.scientific.net/AMM.371.178;

9. N., Baroiu, D., Boazu, C.A., Vasilache, **V., Teodor**, *Modeling of Stress in Drills with Curved Cutting Edges*, Applied Mechanics and Materials, vol. 371, pp. 509-513, doi:10.4028/www.scientific.net/AMM.371.509

10. Berbinschi, S., Baroiu, N., **Teodor, V.**, Oancea, N., *End Mill Tool Profiling by CAD Method*, Indian Journal of Engineering and Materials Sciences, vol. 21, pag. 296-302, ISSN 0975-1017 (Online); 0971-4588 (Print), 2014, **revistă indexată ISI**;

11. Baroiu, N., **Teodor, V.G.**, Berbinschi, S., Susac, F., Oancea, N., *New sharpening method and the behaviour of the multi-flute twist drill with curved cutting edge in machining operations*, Indian Journal of Engineering and Materials Sciences, Vol. 23, October 2016, pp. 357-369, ISSN 0975-1017 (Online); 0971-4588 (Print), **revistă indexată ISI**;

12. Beznea, E.F., Chirica, I., Baroiu, N., *Teodor, V., Parametric Study of Experimental and Numerical Simulation of Sandwich Composite Structures Flexural Behaviour*, Materiale Plastice, vol. 54, nr. 4, 2017, ISSN 0025-5289, pp. 682-688, **revistă indexată ISI**;

13. Baroiu, N., Baroiu, L., **Teodor, V.G.**, Ciocan, L.T., *Graphical Method for Profiling the Side Mill which Generate Helical Flute of Tungsten Carbide Dental Cross Cut Bur*, Romanian Journal of Materials, 2018, 48 (1), ISSN 2457-502X, pp. 131-139, **revistă indexată ISI**;

Lucrări publicate în alte reviste

1. Oancea, N., **Teodor, V.**, *The Cycloid Trajectory Method for Wrapping Surfaces Associated of Rolling Centroid Study. I. Algorithms*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XIX (XXIV), pag. 5-9, ISSN 1221-4566, 2001;
2. **Teodor, V.**, Oancea, N., *The Cycloid Trajectory Method for Wrapping Surfaces Associated of Rolling Centroid Study. II. Applications*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XIX (XXIV), pag. 10-17, ISSN 1221-4566, 2001;
3. Oancea, N., Dima, M., **Teodor, V.**, *Similitudes Between the Methods Used to Study Enveloping Surfaces. I. The Profiles Associated to Rolling Centroids*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XIX (XXIV), pag. 40-45, ISSN 1221-4566, 2001;
4. Oancea, N., **Teodor, V.**, *The Cycloid Trajectory Method Applied for Discreetly Known Profiles. I. Algorithms*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XX (XXV), pag. 21-24, ISSN 1221-4566, 2002;
5. **Teodor, V.**, Oancea, N., *The Cycloid Trajectory Method Applied for Discreetly Known Profiles. II. Applications*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XX (XXV), pag. 25-31, ISBN 1221-4566, 2002;
6. Oancea, N., **Teodor, V.**, *Method of the Generation Trajectories. Generation of the Helical Surfaces. The Face-Mill Tool*, Buletinul Institutului Politehnic din Iasi, Tomul XLIX (LIII), pag. 115-120, ISSN 1582-6392, 2003;
7. **Teodor, V.**, Oancea, N., *Method of the Generation Trajectories. Comparison Between the Gohman Method and the Method of Generation Trajectories*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XXI (XXVI), pag. 12-20, ISSN 1221-4566, 2003;
8. Oancea, N., **Teodor, V.**, *Algorithm for Relative Speed Calculus Between Enwrapping Surfaces. I. Profiles Associated with Rolling Centroids*, Buletinul Institutului Politehnic din Iasi, Tom L (LIV), Fasc. V c, Constructii de masini, pag. 803-806, ISSN 1011-2855, 2004;
9. Oancea, N., **Teodor, V.**, Panait, C., *Algorithm for Relative Speed Calculus Between Enwrapping Surfaces. II. The Contact Between a Cylindrical Rolling Surface and a Helical Surface*, Buletinul Institutului Politehnic din Iasi, Tom L (LIV), Fasc. V c, Constructii de masini, pag. 807-810, ISSN 1011-2855, 2004;
10. **Teodor, V.**, Panait, C., Oancea, N., *Algorithm for Relative Speed Calculus Between Enwrapping Surfaces. III. Applications*, Buletinul Institutului Politehnic din Iasi, Tom L (LIV), Fasc. V c, Constructii de masini, pag. 811-814, ISSN 1011-2855, 2004;
11. **Teodor, V.**, Oancea, N., *The Error Modelling for Rolling Surfaces Generation. I. Algorithms*, Analele Universitatii "Dunarea de Jos" din Galati. Fasc. V, anul XXII (XXVII), pag. 72-75, ISSN 1221-4566, 2004;
12. **Teodor, V.**, Oancea, N., *The Error Modelling for Rolling Surfaces Generation. II. Applications*, Analele Universitatii "Dunarea de Jos" din Galati. Fasc. V, anul XXII (XXVII), pag. 76-80, ISSN 1221-4566, 2004;
13. Capatina, N., **Teodor, V.**, *Algorithm for "Fredascon" Worm Cutter with Staggered Teeth Design*, Analele Universitatii "Dunarea de Jos" din Galati. Fasc. V, anul XXII (XXVII), pag. 54-58, ISSN 1221-4566, 2004;
14. Santos Martin, F.J., **Teodor, V.**, *Software for Blank's Minimum Rolling Radius Determination*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XXII (XXVII), ISSN 1221-4566, 2005;

15. Oancea, N., Panait, C., **Teodor, V.**, *General Algorithm for Hypoid Gear Study*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, anul XXII (XXVII), ISSN 1221-4566, 2005;
16. Oancea, N., Mihaluta, M., **Teodor, V.**, *Aproximation of the Gear Cutter Profile Used in the Generation of Interior Polyform Surfaces*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, pag. 40-44, ISSN 1221-4566, 2006;
17. Oancea, N., **Teodor, V.**, Bizim, L., *A New Mathematical Model for Helical Drill Back Face Geometry Study*, Analele Universitatii "Dunarea de Jos" din Galati, Fasc. V, pag. 35-39, ISSN 1221-4566, 2006;
18. **Teodor, V.**, Cucu, M., *Discreetly Known Reciprocally Enwrapping Surfaces Representation Model - Software Description*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. 5A, pag. 229-232, ISSN 1011-2855, 2006;
19. Oancea, N., **Teodor, V.**, Cucu, M., *Discreetly Known Reciprocally Enwrapping Surfaces Representation Model - Algorithms*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. 5A, pag. 217-222, ISSN 1011-2855, 2006;
20. Oancea, N., **Teodor, V.**, Cucu, M., *Discreetly Known Reciprocally Enwrapping Surfaces Representation Model - Surfaces Polyhedron Representation Method*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. 5A, pag. 223-228, ISSN 1011-2855, 2006;
21. Dima, M., Oancea, N., **Teodor, V.**, *Cutting Scheme Modeling at Generation by Rack-Gear Tool - Algorithms*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. VA, pag. 85-90, ISSN 1011-2855, 2006;
22. Dima, M., Epureanu, A., **Teodor, V.**, *The Synthesis of a Cutting Scheme at Generation With Rack-Gear with Reconfigurable Geometry*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. VA, pag. 91-96, ISSN 1011-2855, 2006;
23. Dima, M., **Teodor, V.**, Oancea, N., *Cutting Scheme - Reconfiguration Criteria of the Rack-Gear Tool - Reconfigurability Solution for Rack-Gear Tool*, Buletinul Institutului Politehnic din Iasi, Tomul LII, Fasc. VA, pag. 97-104, ISSN 1011-2855, 2006;
24. Oancea, N., **Teodor, V.**, Lebada, S., *A New Approach of Helical Drill Sharpening Study*, The Annals of Dunarea de Jos University of Galati, fasc. V, ISSN 1221-4566, 2008;
25. **Teodor, V.**, Santos Martin, F.J., Dumitrascu, N., Oancea, N., *Energetically Model of Helical Drill Cutting Edge Form*, The Annals of Dunarea de Jos University of Galati, fasc. V, ISSN 1221-4566, 2008;
26. **Teodor, V.**, Cucu, M., Oancea, N., *Profiling of Revolution Surfaces Tool for Generation of Helical Surfaces Expressed in Polyhedral Form*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 13-21, ISSN 1221-4566, 2010;
27. Berbinschi, S., **Teodor, V.**, Oancea, N., *Comparison Between the CAD Method and the Analytical Method —Rotary Cutter Tool's Profiling*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 23-28, ISSN 1221-4566, 2010;
28. **Teodor, V.**, Santos Martin, F. J., Cucu, M., Oancea, N., *Profiling of Revolution Surfaces Tool for Generation of Helical Surfaces Expressed in Polyhedral Form —End Mill Tool*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 41-50, ISSN 1221-4566, 2010;
29. Berbinschi, S., **Teodor, V.**, Oancea, N., *Comparison Between CAD Method and Analytical Method —Rack Gear Tool's Profiling—*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 57-64, ISSN 1221-4566, 2010;
30. Paunoiu, V., **Teodor, V.**, Baroiu, N., Lalau, C., *The Multi-Physics System in Reconfigurable Multipoint Forming*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 81-86, ISSN 1221-4566, 2010;
31. Baroiu, N., Berbinschi, S., **Teodor, V.**, Fetecau, C., Oancea, N., *Hyperboloidal Sharpening Method for Multi-Flute Curved Edges Drills*, The Annals of Dunarea de Jos University of Galati, fasc. V, pag. 117-124, ISSN 1221-4566, 2010;

32. Berbinschi, S., **Teodor, V.**, Baroiu, N., Oancea, N., *Ring Tangential Tool Topological Representation of Peripheral Surfaces*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 11-19, ISSN 1221-4566, 2011;
33. S. Berbinschi, **V. Teodor**, N. Oancea, *A 3D Method for Profiling the Shaping Tool for the Generation of Helical Surfaces*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 21-28, ISSN 1221-4566, 2011;
34. S., Berbinschi, **V., Teodor**, N., Oancea, *A Graphical Method Developed in the Catia Design Environment for the Modeling of Generation by Enveloping*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 29-35, ISSN 1221-4566, 2011;
35. F.B., Marin, **V. Teodor**, I.C., Constantin, Al., Epureanu, *Video Collision Warning System Based on Topological Approach*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 37-43, ISSN 1221-4566, 2011;
36. C., Popa, **V., Teodor**, I., Popa, N., Oancea, *Surface Profiling Method of the Disk Cutter of the Female Rotor from the Screw Compressor Component*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 45-52, ISSN 1221-4566, 2011;
37. C., Popa, **V., Teodor**, I., Popa, N., Oancea, *Surface Profiling Method of the Disk Cutter of the Male Rotor from the Screw Compressor Component*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 53-61, ISSN 1221-4566, 2011;
38. **V., Teodor**, I., Popa, D., Şchiopu, *An Algorithm for Registration of Points Measured on Coordinate Measuring Machine*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 63-68, ISSN 1221-4566, 2011;
39. N., Baroiu, **V., Teodor**, N., Dumitraşcu, N., Oancea, *Comparative Analytical Models for Sharpening of Multi-Flute Drills with Curved Cutting Edges*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 93-99, ISSN 1221-4566, 2011;
40. V., Păunoiu, **V., Teodor**, Al., Epureanu, E., Gavan, G., Bercu, *Neural Network Application to the Reconfigurable Multipoint Forming Process*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, 2011, pag. 87-92, ISSN 1221-4566, 2011;
41. N., Baroiu, S., Berbinschi, **V., Teodor**, C., Urse, *Modelling and Simulating the Manufacturing of a Twisted Drill with Three Curved Cutting Edges, Using the SV& Toolbox Software*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 11-19, ISSN 1221-4566, 2011;
42. S., Berbinschi, N., Baroiu, **V., Teodor**, N., Oancea, *Profiling Methodology for Side Mill Tools for Generation of Helical Compressor Rotor Using Reverse Engineering*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 21-22, ISSN 1221-4566, 2011;
43. S., Berbinschi, **V., Teodor**, N., Baroiu, N., Oancea, *Enwrapping Surfaces with Point Contact — Comparison Between CATIA Method and an Analytical One*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 117-122, ISSN 1221-4566, 2011;
44. S., Berbinschi, F.J., Santos Martin, N., Baroiu, **V., Teodor**, N., Oancea, *Topological Representation of Rotating Cutter Reciprocally Enveloping with a Helical Surface*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 21-25, ISSN 1221-4566, 2011;
45. V., Păunoiu, **V., Teodor**, C., Maier, N., Baroiu, G., Bercu, *Study of the Tool Geometry in Reconfigurable Multipoint Forming*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 139-144, ISSN 1221-4566, 2011;
46. C., Popa, I., Popa, **V., Teodor**, N., Baroiu, *Profiling Tool Generating Method, Using the Profile Measurement of Rotor of Screw Compressor Components*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume II, 2011, pag. 123-128, ISSN 1221-4566, 2011;
47. Baroiu, N., Berbinschi, S., **Teodor, V.**, Oancea, N., *Experimental Research Regarding the Temperature Along the Cutting Edge of Drills*, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, Volume I, pag. 17-26, ISSN 1221-4566, 2012;

48. Baroiu, N., Berbinschi, S., **Teodor, V.**, Oancea, N., *Comparative Study of Drill's Flank Geometry Developed with the CATIA Software*, The Annals of "Dunărea de Jos" University of Galati, Fascicle V, Volume I, pag. 27-32, ISSN 1221-4566, 2012;
49. S. Berbinschi, **V. Teodor**, N. Baroiu, N. Oancea, *CAD Oriented Method for Secondary Order End Mill Tool Profiling*, The Annals of "Dunărea de Jos" University of Galati, Fascicle V, Vol. 2, pag. 47-50, ISSN 1221- 4566, 2012;
50. Frumusanu, G., Berbinschi, S., Oancea, N., **Teodor, V.**, *Profiling Method for the Screw-Die Tool Used to Generate the Dental Implants Thread*, The Annals of "Dunarea de Jos" University of Galati, fascicle V, Volume II, 2012, pp. 31-38, ISSN 1221-4566;

Conf. dr. ing. Virgil Gabriel Teodor