

LISTĂ DE LUCRĂRI (*LIST OF PAPERS*)**a. Lucrări considerate de candidat a fi cele mai relevante (10 lucrări)**

1. Tulcan Aurel, **Mircea Dorin Vasilescu**, Tulcan Liliana - Study of the influence of technological parameters on generating flat part with cylindrical features in 3D printing with resin cured by optical processing, *Polymers*, ISSN 2073-4360, **Volume: 12, Issue: 9, Pages: 1941**, factor de impact 3,426, doi:10.3390/polym12091941 (quartila **Q1**, zona roșie)
2. **Mircea Dorin Vasilescu**, Traian Fleșer - Influence of technological parameters on the dimension of gear parts generated with pla material by FDM 3D printing, *Revista de materiale plastice*, ISSN 0025 / 5289, 2/2018, 55, 247 – 251 pag, WOS: 000444147100025, (quartila **Q4**, zona gri)
3. **Mircea Dorin Vasilescu**, Traian Fleșer - Influence of technological parameters on the dimension of threaded parts generated with pla material by FDM 3D printing, *Revista de materiale plastice*, ISSN 0025/5289, 2018, 55/4, 718–722 pag, WOS: 000454987400056, (quartila **Q4**, zona gri)
4. **Mircea Dorin Vasilescu** - Constructiv and technological consideration on the generation of gear made by the DLP 3D-printed method, *Revista de materiale plastice*, ISSN 0025 / 5289, 2019, 56/2, 440 - 444 pag, WOS: 000476641000030, (quartila **Q3**, zona gri)
5. **Mircea Dorin Vasilescu** - Influence of technological parameters on the dimension of threaded parts generated with DLP 3D printing, *Revista de materiale plastice*, ISSN 0025 / 5289, 4/2019, 56, 801-811, WOS: 000509920700018, (quartila **Q3**, zona gri)
6. **Mircea Dorin Vasilescu** - Influence of technological parameters on the emission on DLP 3D printing process, *Revista de chimie*, ISSN 0034-7752, 2019, 70/12, 4387-4392, WOS: , (quartila **Q3**, zona gri)
7. **Mircea Dorin Vasilescu**, Mihai-Aurel TITU - Comparative study between the generations of 3D printed parts by thermoplastic or optical polymerization, *CITN 2019, Nonconventional Technologies Review*, ISSN2392-8956, 2019, 23/3, 55-62pag, BDI, index ProQuest, Ebsco
8. **Mircea Dorin Vasilescu**, Ioan Vasile Groza - Influence of technological parameters on the roughness and dimension of flat parts generated by FDM 3D printing, *Nonconventional Technologies Review*, ISSN2359-8646, 2017, 3, 18-23pag., BDI index Ebsco
9. **Mircea Dorin Vasilescu**, Tiberiu Aurel Vasilescu, Ioan Vasile Groza - Economical Considerations over 3D Printing Components for Abrasive Water Jet Machinery, *Advanced Materials Research*, , ISSN1662-8985, 2018, 1146, 84-91pag., BDI index ProQuest, Ebsco
10. **Mircea Dorin Vasilescu** - Influence of technological parameters on the structure and deformation of flat or round parts generated by DLP 3D printing, *CITN 2019, Nonconventional Technologies Review*, ISSN2392-8956, 2019, 23/4, 56-61pag., BDI index ProQuest, Ebsco

b) Teza/teze de doctorat / *PhD Thesis***c) Cărți și capitole în cărți / *Books and book chapters*****Cărți / *Books***

1. Ioana Ionel, **Mircea Dorin Vasilescu**, Liliana Tulcan, Adelina Han, Emilia Mocuța, Ioan Groza, Raul Ionel, Ramon Mihai Balogh, Dan Simion Stepan -TAILORED UNIVERSITY STUDENT PRACTICE CONTRIBUTES TO REGIONAL DEVELOPMENT, IAFeS – International Association for eScience, IAFeS Biberstrasse 4/4 A 1010 Vienna, Austria, 978-3-9503983-3-5, 2016
2. **Mircea Dorin Vasilescu** - Catia teorie și aplicatii practice. Vol.1, Editura Politehnica Timișoara, ISBN 978-606-554-448-2, 2012, 164 pag
3. **Mircea Dorin Vasilescu**, Tiberiu Aurel Vasilescu - Progecad Totul despre ProgeCAD. Teorie si aplicatii practice, Editura Politehnica Timișoara, ISBN 978-973-625-935-7, 2009, 152 pag
4. **Mircea Dorin Vasilescu** - Utilaje si Instalații. Proiectare, Realizare, Reparare, Editura Politehnica, Timișoara, 2017, ISBN 978-606-35-0109-8, 304
5. **Mircea Dorin Vasilescu** – Modelare și Simulare, Editura EUROSTAMPA, Timișoara, 2020, ISBN 978-606-32-0849-2 , 195 pag
6. Eugen Cicala, Nicolae Crainic, Corneliu Craciunescu, Ion David, Florin Ferician, Mihai Ghita, Ioan Groza, Mihaiela Herman, Richard Herman, Gabriel Malaimare, Aurel Marcusanu, Ion Marinescu, Radu Marinescu, Dumitru Mnerie, Aurel Nanu, Dan Nanu, Mihaela Nistoran, Mircea Olariu, Ioan Popovici, Zeno Schlett, Laurentiu Slatineanu, Dumitru Tucu, **Mircea Dorin Vasilescu** - Tratat de tehnologii neconvenționale, Tehnologiile neconvenționale la început de mileniu, Volum I, Ed. ARTPRESS, ISBN 973-695-071-9, 2003, 552 pag
7. Aurel Nanu, Horia Binchiciu, Aurel Dreucean, Ioan Groza, Dinu Gubencu, Richard Herman, Ioan Marinescu, Aurel Mărcușanu, Dan Nanu, Mircea Olariu, **Mircea Dorin Vasilescu** - Tratat de tehnologii neconvenționale, vol. X – Prelucrarea prin eroziune cu fluide activate energetic, Ed. ARTPRESS, ISBN 973-695-071-9 973-7836-52-, 2005, 189 pag
8. V.Budău, C.M.Crăciunescu, M.Ghiță, Mihaela Herman, R.Herman, I.N.Marinescu, A.Mărcușan, A.Nanu, C.Opran, M.Olariu, V.Popovici, V.A.Șerban, **Mircea Dorin Vasilescu** - Tratat de tehnologii neconvenționale, vol. XI – Prelucrarea materialelor neconvenționale, Ed. ARTPRESS, ISBN 973-7836-53-7, 2005, 323 pag
9. I.Groza, D.Gubencu, M.Bratis, A.Mnerie, K.Herman, A.Han, S.Popa, T. Slavici, **Mircea Dorin Vasilescu** - Calculatoare personale, Editura Fundației Ioan Slavici, 973-8093-24-4, 2004, 325 pag
10. **Mircea Dorin Vasilescu**, Carutasu Nicoleta, Gnandth Francisc, Radu Ioan - Prelucrarea materialelor cu jet de apă cu abraziv activat electromagnetic, Editura Politehnica, ISBN 978-973-625-698-1, 2008, 168 pag
11. George Constantin, Radu Constantin, Gabriel Tasca, Gavril Musca, **Mircea Dorin Vasilescu** - Proiectare asistata 2D si 3D a masinilor si sistemelor de productie, Academiei Oamenilor de Stiinta din Romania, Bucuresti, ISBN 978 - 606 - 8371 - 46 – 7, 2011, 139 pag
12. **Mircea Dorin Vasilescu** – Tehnologia de fabricare a autovehiculelor. Volumul 1, Editura Eurostampa, Timișoara, ISBN 978-606-32-, 2020, 348 pag

Îndrumător / Guide

1. **Mircea Dorin Vasilescu** – Tehnologia de fabricare a autovehiculelor. Aplicații practice, Editura Eurostampa, Timișoara, 2020, ISBN 978-606-32-0854-6
2. **Mircea Dorin Vasilescu**, Liliana Tulcan – Instalații și Echipamente Electromecanice. Aplicații practice, Editura EUROSTAMPA, Timișoara, 2020, ISBN 978-606-32-0855-3
3. **Mircea Dorin Vasilescu** – Bazele prelucrării materialelor cu energii concentrate, Vol. 1, Editura Politehnica, Timișoara, 1999, ISBN 973-9441-47-5
4. **Mircea Dorin Vasilescu** – Utilaje, instalații, echipamente: noțiuni teoretice, Editura Politehnica, Timișoara, 2009, ISBN 978-973- 6258-78-7
5. Richard Herman, Mircea Olariu, Nicolae Crainic, Antoniu Reviczky-Levay, **Mircea Dorin Vasilescu**, LiliaNA Tulcan, Gabriel Malaimare, Voicu Safta, Adelina Han - Aplicații specifice în tehnologia materialelor, Editura POLITEHNICA, ISBN 978-973-625-814-5, 2014
6. Iris Mihai, Andrei Crăciun, **Mircea Dorin Vasilescu**, Ioana Ionel - Corelarea activității din lucrarea de licență/master cu stagiile de practică, Editura POLITEHNICA, ISBN 978-606-3500-16-9, 2015
7. Mircea Dorin Vasilescu, L. Tulcan, D. Gubencu - Utilaje, instalații, echipamente : aplicații practice și probleme, Editura Politehnice, 2009, ISBN: 978-973-6259-61-6 973-625-961-7

d) Articole publicate în reviste și volume din fluxul științific internațional Web of Science (Clarivate Analytics)**d) Articles published in journals and volumes from international scientific flux (Web of Science-Clarivate Analytics)**

1. Tulcan Aurel, **Mircea Dorin Vasilescu**, Tulcan Liliana - Study of the influence of technological parameters on generating flat part with cylindrical features in 3D printing with resin cured by optical processing, Polymers, ISSN 2073-4360, WOS: , Q1
2. **Mircea Dorin Vasilescu**, Ioana Ionel - 3D printer FABLAB for students at POLITEHNICA University Timisoara, 2017 IEEE 17th International Conference on Advanced Learning Technologies (ICALT), pag 512-513, IEEE Xplore, WOS: 000427129000147
3. **Mircea Dorin Vasilescu**, Traian Fleser - Influence of technological parameters on the dimension of gear parts generated with pla matherial by FDM 3D printing, Revista de materiale plastice, ISSN 0025 / 5289, 2/2018, 55, 247 – 251 pag, WOS: 000444147100025, Q4
4. **Mircea Dorin Vasilescu**, Traian Fleser - Influence of technological parameters on the dimension of threaded parts generated with pla matherial by FDM 3D printing, Revista de materiale plastice, ISSN 0025/5289, 2018, 55/4, 718–722 pag, WOS: 000454987400056, Q4
5. **Mircea Dorin Vasilescu** - Constructiv and technological consideration on the generation of gear made by the DLP 3D-printed metode, Revista de materiale plastice, ISSN 0025 / 5289, 2/2019, 56, 440 - 444 pag, WOS: 000476641000030, Q3
6. **Mircea Dorin Vasilescu** - Influence of technological parameters on the dimension of threaded parts generated with DLP 3D printing, Revista de materiale plastice, ISSN 0025 / 5289, 4/2019, 56, 801-811, WOS: 000509920700018, Q3
7. **Mircea Dorin Vasilescu** - Influence of technological parameters on the emision on DLP 3D printing process, Revista de chimie, ISSN 0034-7752, 12/2019, 70, 4387-4392, WOS: , Q3

8. R Ivan, O Falup, I Mircea, I Ionel, **Mircea Dorin Vasilescu** - Greenhouse gases emissions forecasts for different climate change policy portfolios. Romanian case study, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.16, 4, ISSN 1311-5065, 1227-1236 pag, 2015, WOS: 000368864500001, Q4
9. I. IONEL, **Mircea Dorin Vasilescu**, R. M. BALOGH, D. BISORCA, L. MAKRA, R. IONEL - Career development of an engineering student through counselling and internship, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, vol.19, 1, ISSN 1311-5065, 357-366 pag, 2018, WOS: 000430319500038, Q4
10. Cioabla A.E., Ionel I., Dumitrel G.A., **Mircea Dorin Vasilescu** - Comparative study concerning anaerobic fermentation of degraded cereals, 25th European Biomass Conference and Exhibition Proceedings, 12-15 June 2017, Stockholm, Sweden, 978-88-89407-17-2, 880-883 pag, WOS: 000461835100156

e) Articole publicate în reviste si volumele unor manifestări științifice (proceedings), indexate in alte BDI

1. **Mircea Dorin Vasilescu** - Technocal considerations on the 3D printing components with DPL 3D printing process with ecological resin, SEA-CONF 2019 Constanta, Scientific Bulletin of Naval Academy, DOI:10.21279/1454-864X-19-I1-042, ISSN, 2020, XXIII 2020, pag. 34-40
2. **Mircea Dorin Vasilescu** - Economic and technological considerations on the 3D printing components with SLA printing process, SEA-CONF 2019 Constanta, Scientific Bulletin of Naval Academy, DOI:10.21279/1454-864X-19-I1-042, ISSN, 2019, XXIII 2020, pag. 8-14
3. **Mircea Dorin Vasilescu** - Determination of dimensional regression equations for 3D DLP printing, Nonconventional Technologies Review, ISSN2392-8956, 2020, 24/2, 29-33pag.,
4. **Mircea Dorin Vasilescu** - Study the influence of colour resin on the emission for DLP 3D printing process , Nonconventional Technologies Review, ISSN2392-8956, 2020, 24/2, 60-63pag.,
5. **Mircea Dorin Vasilescu**, Mihai-Aurel TITU - Comparative study between the generations of 3D printed parts by thermoplastic or optical polymerization, CITN 2019, Nonconventional Technologies Review, ISSN2392-8956, 2019, 23/3, 55-62pag.,
6. **Mircea Dorin Vasilescu** - Influence of technological parameters on the structure and deformation of flat or round parts generated by DLP 3D printing, CITN 2019, Nonconventional Technologies Review, ISSN2392-8956, 2019, 23/4, 56-61pag.,
7. **Mircea Dorin Vasilescu** - On the technological and dimensional considerations for generating parts by 3D-printed with light processing focus, SEA-CONF 2019 Constanta, Scientific Bulletin of Naval Academy, DOI:10.21279/1454-864X-19-I1-042, ISSN, 2019, XXII 2019, 289-296pag.,
8. **Mircea Dorin Vasilescu** - Economic and technological considerations on the 3d printing components in university laboratories made from students, SEA-CONF 2019 Constanta, Scientific Bulletin of Naval Academy, DOI:10.21279/1454-864X-19-I1-039, ISSN, 2019, XXII 2019, 261-268pag.,
9. **Mircea Dorin Vasilescu** - Technological and constructive considerations on the realization of components and parts using 3D printing FDM-type technology, ISSN , 2018, 55-62 pag, Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics, "HIDRAULICA", ISSN1453 – 7303, 2018, 4, 55-62pag.,
10. **Mircea Dorin Vasilescu**, Tiberiu Aurel Vasilescu, Ioan Vasile Groza - Economical Considerations over 3D Printing Components for Abrasive Water Jet Machinery, Advanced Materials Research, , ISSN1662-8985, 2018, 1146, 84-91pag.,

11. **Mircea Dorin Vasilescu** - Theoretical consideration on the abrasive water-mixing chamber made by the pla material with 3D printing process by FDM type, *Nonconventional Technologies Review*, ISSN2359-8646, 2018, 1, 36-41pag.,
12. **Mircea Dorin Vasilescu** - Influence of technological parameters on the dimension of flat and round parts generated with abs by FDM 3D printing, *Nonconventional Technologies Review*, ISSN2359-8646, 2017, 4, 27-32pag.,
13. **Mircea Dorin Vasilescu**, Ioan Vasile Groza - Influence of technological parameters on the roughness and dimension of flat parts generated by FDM 3D printing, *Nonconventional Technologies Review*, ISSN2359-8646, 2017, 3, 18-23pag.,
14. **Mircea Dorin Vasilescu** - Technological and economic aspects of processing flat materials with abrasive waterjet, *Nonconventional Technologies review*, Editura Politehnica , ISSN1454-3087, 2014, Vol. 2 / 2014, 53-56pag.,
15. **Mircea Dorin Vasilescu**, Petre Florinel NENU - Considerations on energy efficiency of greenhouses for vegetable production, *Buletinul AGIR Supliment 1/2013*, ISSN1224-7928, 2013, 1, 162-166pag.,
16. A. Perianu, **Mircea Dorin Vasilescu**, D. Ionescu - Water Jet Cutting, Efficient Alternative to Conventional Cutting Procedures, *SUDURA, A 3-a Conferinta Internationala TEHNOLOGII INOVATIVE PENTRU IMBINAREA MATERIALELOR AVANSATE*, ISSN1453-0384, 2009, 107-110pag.,
17. A. Perianu, **Mircea Dorin Vasilescu**, D. Ionescu, E. Cicala - Water-jet cutting optimization for fritted materials. Case study: cutting alumina., *BID-ISIM*, ISSN1453-0392, 2009, 2, 45-51pag.,
18. B. Petrovici, T. Fleşer, M. Ghiţa, **Mircea Dorin Vasilescu** - Considerations about the abrasive water jet processing of the stratified materials, *SUDURA*, ISSN1453-0384, 2008, 5, pag.,
19. **Mircea Dorin Vasilescu**, Binchiciu A., Binchiciu I., Vida-Simiti I., Vasiu R – Cavitation abrasive material for processing with abrasive water jet , *Welding International*, london, 60th Annual Assembly and, ISSN00432288 / 978-953-7518-00-4, 2007, 51/2007, 599-604pag.,

f) Articole publicate în reviste sau volume neindexate (selectia unor lucrări)

1. **Mircea Dorin VASILESCU**, Victor GEANTA, Ionelia VOICULESCU, Horia BINCHICIU - Activating methods for abrasive particle inside the jet to processing with abrasive jet in suspension, *Revista de tehnologii neconventionale*, ISSN/ 1454-3087, 2007 / Vol.3, 114-117,
2. **Mircea Dorin VASILESCU** – Working of fiber materiale with abrasive waterjet, *Revista de tehnologii neconventionale*, Editura Augusta, ISSN 1454-3087, Vol.3/2001, 39-42,
3. **Mircea Dorin Vasilescu**, A. Nanu - Place and role of abrasive in nonconventional technology, *Revista de tehnologii neconventionale*, Editura Augusta, ISSN 1454-3087, Vol. 3 / 2001, 39-42
4. Fleser T., **Mircea Dorin Vasilescu**, Petrovici B. - On interaction water jet abrasive with metallic materials, *RADMI 2009,9 International Conference*, 16-19 sept, Vrnjačka Banja, Serbia, ISSN 978-86-6075-008-4 / 1821-3103, Vol.1 / 2009, 200-205,
5. **Mircea Dorin Vasilescu**, Horia Binchiciu, Gabriel Malaimare, Radu Vasiu - A new type of abrasive used in cutting with abraive water jet of materials used in agro-food industry, *Proceedings of the 5-th International Conference Integrated Systems for Agri-food Production SIPA – 07*, Sibiu, ISSN978-973-638-348-9, 2007, 345-350,
6. **Mircea Dorin VASILESCU**, GEANTA Victor, BINCHICIU Horia, GNANDT Francisc - Fundamental and applicative researching about proces with abrasive water jet and particles electro-magnetic orientated - *ELMAJET*, Editura TEHNICĂ, CeEx 2007

- “Cercetarea de excelență – premiză favorabilă pentru dezvoltarea spațiului românesc de cercetare”, ISSN 1843-5904, 2007,
7. **Mircea Dorin VASILESCU**, GEANTA Victor, BINCHICIU Horia, GNANDT Francisc - Fundamental and applicative researching about proces with abrasive water jet and particles electro-magnetic orientated - elmajet, Editura TEHNICĂ, CeEx 2008 “Cercetarea de excelență – premiză favorabilă pentru dezvoltarea spațiului românesc de cercetare”, ISSN 1844-7090, 2008,
 8. **Mircea Dorin VASILESCU**, Radu VASIU, Francisc GNANDTH - Electromagnetic Activated Method for Abrasive Particles Inside the Process Jet, Proceedings of the International Conference on Hydraulic Machinery and Equipments HME 2008 / Scientific Bulletin of "Politehnica" University of Timisoara, ISSN 1224 - 6077, 2008, 453-456,
 9. **Mircea Dorin Vasilescu**, Marioara Vasilescu, Traian Fleser - Economical considerations on abrasive water jet cutting for food industry parts, Proceedings of the 6-th International Conference Integrated Systems for Agri-food Product SIPA – 09, Nyiregyhaza, ISSN 978-963-9909-40-3, 2009, 39-42,
 10. Ionel Ioana, Dungan Luisa, **Mircea Dorin Vasilescu** - Engineering capacities developed by practice during university studies, Conference proceedings - Sustainable landscape planning and safe environment, Istanbul, ISSN 978-975-561-421-2, 2012, 835-843,
 11. **Mircea Dorin Vasilescu**, Aurelia Binchiciu, Ioan Binchiciu, Radu Vasiu - A new solution for abrasiv cleaning metalic component used in maschine for agriculture, The 4th International Conference INTEGRATED SYSTEMS FOR AGRI-FOOD PRODUCTION , SIPA '05, November 24-26th, 2005, Timisoara, Romania, ISSN 978-973-638-348-9, 2005, 315-319,

Timișoara,

17.09.2020

Conf dr. Ing.,ec. Mircea Dorin VASILESCU