

Autoarea tezei de abilitare:	Conf.dr.ing. DUMITRAȘCU Adela-Eliza
Titlul tezei de abilitare:	Cercetări teoretice, simulate și experimentale în domeniul analizei fiabilității, calității proceselor tehnologice și a produselor industriale inovative
Domeniul:	Inginerie Industrială

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

1. **Dumitrașcu A.-E.**, Musat E.C., Dumitrașcu D.-I., Ciobanu D.V., Salca E.A. - *Influence of sessile oak log characteristics on the efficiency in veneer cutting*, BioResources 12(2), p. 2579-2591, ISSN: 1930-2126, FI: 1.334, SRI: 1.427, DOI: 10.15376/biores.12.2.2579-2591 https://www.ncsu.edu/bioresources/BioRes_12/BioRes_12_2_2579_Dumitrascu_MDCS_Sessile_Oak_Veneer_Cutting_Efficiency_11092.pdf
2. Dumitrașcu D.I., **Dumitrașcu A.-E.**, Chiru A. - *A Case Study Regarding the Implementation of Six Sigma in an Assembly Process for the Automotive Parts*, International Automotive Congress - CONAT 2016, New Materials, Manufacturing Technologies and Logistics, ISBN 978-3-319-45446-7, p. 643-650, Springer, 01 November 2016, DOI: 10.1007/978-3-319-45447-4-71, http://link.springer.com/chapter/10.1007/978-3-319-45447-4_71 https://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Z1zegPpyUXAZyBpByUX&page=1&doc=1
3. **Dumitrașcu A.-E.**, Ciobanu D.V., Lepadatescu B. - *Valorization of Wood Resources for the Cutting of Decorative Veneer in the Context of Sustainable Development of Romanian Forests*, BioResources 8(3), p. 4298-4311, ISSN: 1930-2126, FI: 1.309, SRI: 1.922, 2013, Accession Number: WOS:000323370400089 http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Y2e8z9bRdi4C2cjP1GC&page=1&doc=1 http://www.ncsu.edu/bioresources/BioRes_08/BioRes_08_3_4298_Dumitrascu_CL_Wood_Resources_Valoriz_Veneer_Cutting_4000.pdf
4. Morariu C.O., **Dumitrașcu A.-E.**, Ciobanu D.V. - *Reliability Analysis of Scarifying Tooth for Trailed Scarifier*, International Conference „Computing and Solutions in Manufacturing Engineering” – CoSME’16, 3-4 Noiembrie, Brasov, lucrare in curs de indexare ISI, MATEC Web of Conferences, ISSN: 2261-236X, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=S2WW5jh715wrHZ2a9bZ&page=1&doc=1
5. Iovanas R.F., Iovanas D.M., **Dumitrașcu A.-E.** - *Estimating the Reliability for Asphalt Milling Machines Teeth Manufactured by Claddings Processes*, Advanced Materials Research, Vol. 1029 (2014), ISSN: 1662-8985, pp. 88-93, Trans Tech Publications, Switzerland, doi:10.4028, <http://www.scientific.net/AMR.1029.88>
6. **Dumitrașcu A.-E.**, Nedelcu A. – *Reliability Estimation of the Manufacturing Processes through the Defective Fraction Method and Capability Indices*. The 2nd International Conference “Advanced Composite Materials Engineering and Advanced in Human Body Protection to Vibrations - COMAT 2008”, Vol. 1B, pp. 326-330, ISSN 1844-9336, October 9-11, 2008, Brașov, Romania, www.fisita.org.
7. **Dumitrașcu A.-E.**, Buzatu C., Dumitrașcu D.I., Ciobanu V. - *Risks Assessment Applied to Manufacturing Processes - Case Study*, Applied Mechanics and Materials, Engineering

- Solutions and Technologies in Manufacturing, Vol. 657 (2014), ISSN: 1662-7482, pp. 946-950, Trans Tech Publications, Switzerland, doi:10.4028, www.scientific.net/AMM.657.946
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=5&SID=X14ANNVIVbX6khNLnPT&page=1&doc=2
8. **Dumitrașcu A.-E.**, Lepădătescu B., Dumitrașcu D. – *Quality Estimation of the Industrial Processes Using Average Range Length and Capability Indices*. International Conference on “Computing and Solutions in Manufacturing Engineering - CoSME '08”, Published in Academic Journal of Manufacturing Engineering, Issue 1/2008, Politehnica Publishing House, pp. 96-103, ISSN 1583-7904, September 25 – 27, 2008, Brasov, Romania, <http://www.journals.indexcopernicus.com/Academic+Journal+of+Manufacturing+Engineering.p3557.3.html>
 9. **Dumitrașcu A.-E.**, Duicu S. - *Products reliability assessment using Monte-Carlo simulation*. INTERNATIONAL JOURNAL OF SYSTEMS APPLICATIONS, ENGINEERING & DEVELOPMENT, ISSN: 2074-1308, Issue 5, Volume 5, pp. 658-665, 2011, <http://www.universitypress.org.uk/journals/saed/20-792.pdf>
 10. **Dumitrașcu A.-E.**, Nedelcu A., Dumitrașcu D., Fota A. – *Estimation of Industrial Process Capability Indices for Non-Normal Distributions*, International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '10), pp. 296-299, August 20-22, Taipei, Taiwan, 2010, ISSN 1792-4596, ISBN 978-960-474-215-8, http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=38&SID=T1IgY9vwAnr6SINFYL9&page=1&doc=1

TEZA DE DOCTORAT

Dumitrașcu (Șimon) A.-E., *Cercetări privind fiabilitatea proceselor tehnologice*, Universitatea „Transilvania” din Brașov, 254 pag., 2005.

BREVETE

1. Ciobanu V., **Dumitrașcu A.-E.**, Musat E., Brinzea O., *The process of consolidation of forest road structures using composite materials*, OSIM no. 00586/2014
http://worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&I=3&ND=3&adjacent=true&locale=en_EP&FT=D&date=20141230&CC=RO&NR=129940A0&KC=A0

CĂRȚI / CAPITOLE DE CĂRȚI

1. **Dumitrașcu A.-E.**, Nedelcu A., *Project Costs and Risks Estimation Regarding Quality Management System Implementation*, Total Quality Management and Six Sigma, Tauseef Aized (Ed.), InTech, ISBN: 978-953-51-0688-3, 2012, <http://dx.doi.org/10.5772/46084>, It is indexed & abstracted in EBSCO A-TO-Z, BASE - Bielefeld Academic Search Engine, SCIRUS, OCLC WorldCat, Google Scholar, available from: <http://www.intechopen.com/books/total-quality-management-and-six-sigma/project-costs-and-risks-estimation-regarding-quality-management-system-implementation>
2. **Dumitrașcu A.-E.**, Nedelcu A. – *Managementul calitatii mediului*. Editura Lux Libris, ISBN 978-973-131-325-2, 400 pagini, Brașov, 2015.
3. **Dumitrașcu A.-E.**, Dumitrașcu D.-I. – *Fiabilitatea produselor industriale*. Editura MATRIX ROM, ISBN 978-973-755-950-0, 165 pagini, București 2013.

4. Nedelcu A., **Dumitrașcu A.-E.** – Ecologie și protecția mediului. Editura Universității Transilvania, ISBN 978-973-598-968-2, 244 pagini, Brașov, 2011.
5. Sorici I., **Dumitrașcu A.-E.**, Ciobanu V. – Managementul proiectelor și dezvoltarea durabilă. Editura Universității Transilvania, ISBN 978-973-598-715-2, 190 pagini, Brașov, 2010.
6. Iovanas D., **Dumitrașcu A.-E.**, Fiabilitatea echipamentelor tehnologice fabricate prin utilizarea de elemente modulate interschimbabile încărcate prin sudare, Editura Lux Libris, ISBN 978-973-131-055-8, 240 pagini, 2009.
7. Buzatu C., **Dumitrașcu A.-E.** – Automatizarea controlului calității în construcția de mașini. Editura MATRIX ROM, ISBN 978-973-755-245-7, 197 pagini, Bucuresti 2007.
8. Dumitrașcu D., **Dumitrașcu (Șimon) A.-E.**, Caia G., Merfea B. – Managementul proiectelor. Editura Universității „Transilvania” din Brașov, ISBN 973-635-432-6, 142 pagini, Brașov 2005.
9. **Dumitrașcu A.-E.**, Ciobanu V., Borz S.A., Mușat E.-C. – Ingineria și managementul riscurilor. Editura Lux Libris, ISBN 978-973-131-247-7, 150 pagini, Brașov, 2013.
10. Lepădătescu B., **Dumitrașcu (Șimon) A.-E.**, Mareș Gh. – Surface Technology. Editura Universității „Transilvania” din Brașov, ISBN 973-635-390-7, 177 pagini, Brașov 2005.
11. **Dumitrașcu (Șimon) A.-E.**, Popescu I. – Fiabilitatea proceselor tehnologice, Editura Universității „Transilvania” din Brașov, ISBN 973-635-546-2, 180 pagini, Brașov 2005.
12. **Dumitrașcu A.-E.** – Managementul calitatii mediului. Aplicații. Editura MATRIX ROM, ISBN 978-606-25-0238-6, 288 pagini, București 2016.
13. **Dumitrașcu A.-E.** – Managementul sănătății și securității ocupaționale. Aplicații. Editura MATRIX ROM, 174 pagini, București 2017.
14. **Dumitrașcu A.-E.**, Managementul sanataii si securitatii ocupationale. Aplicații. 165 pagini, 2016.
15. Buzatu C., Lepădătescu B., Bălăcescu A., **Dumitrașcu A.-E.**, Mihail L., Dițu V., Enescu I. – Bazele teoretice și aplicative ale superfinisării în construcția de mașini. Editura Universității Transilvania, ISBN 978-973-598-490-8, 216 pagini, Brașov, 2009.
16. Lepădătescu B., Popescu M., **Dumitrașcu (Șimon) A.-E.** – Communication Skills. Suport for Seminar, Editura Universității „Transilvania” din Brașov, 89 pagini, Brașov 2005.

ARTICOLE ÎN REVISTE

1. Dumitrașcu D.-I., Morariu C.O., **Dumitrașcu A.-E.**, Ciobanu D.V. - *Reliability estimation of towed grader attachment using finite element analysis and point estimation*, Transactions of FAMENA, ISSN: 1333-1124, FI: 0.317, SRI: 0.187, articol acceptat in 9.03.2017
2. **Dumitrașcu A.-E.**, Lepadatescu B., Dumitrașcu D.-I., Nedelcu A., Ciobanu D.V. - *Reliability Estimation of Parameters of Helical Wind Turbine with Vertical Axis*, The Scientific World Journal, ISSN 1537-744X, FI 2013-2014: 1.22, SRI: 0.644 (http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/Scor_Relativ_Influenta_2014.pdf), Accepted 17 November 2014, <http://dx.doi.org/10.1155/2015/296762>
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=U1vQNkdFQmsdoUHmpT3&page=1&doc=1
3. Ciobanu D.V., Zeleniuc O., **Dumitrașcu A.-E.**, Lepadatescu B., Iancu B. - *The Influence of Speed and Press Factor on Oriented Strand Board Performance in Continuous Press*, BioResources 9(4), p. 6805-6816, ISSN: 1930-2126, FI: 1.549, SRI: 1.82, 25 septembrie 2014, Accession Number: WOS:000345396900082
http://apps.webofknowledge.com/Search.do?product=UA&SID=P17eFS2IxAV8wFqZbIx&search_mode=GeneralSearch&prID=2739dc7d-9143-48d9-b37d-89d515d36826
http://www.ncsu.edu/bioresources/BioRes_09/BioRes_09_4_6805_Ciobanu_ZSLI_Oriented_Strand_Bd_Perform_Speed_Continuous_Press_6110.pdf

4. Musat E.C., Salca E.A., Dinulica F., Ciobanu V.D., **Dumitrascu A.-E.** - *Evaluation of color variability of oak veneers for sorting*, BioResources 11(1), p. 573-584, ISSN: 1930-2126, FI: 1.334, SRI: 1.427, February 2016, Accession Number: WOS:000367732700047
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=V1tJkMhyBeh44Li4o54&page=1&doc=1
https://www.ncsu.edu/bioresources/BioRes_11/BioRes_11_1_573_Musat_SDCD_Eval_Color_Variability_Oak_Veneers_8322.pdf
5. Ene C., Ciobanu D.V., **Dumitrașcu A.-E.**, David E.-C., Borz S.A. - *Resource management of renewable energy of forest fuel in south-west forest districts of Romania*, Journal of Environmental Protection and Ecology (JEPE), Vol.14, No.4 (2013), p. 1794-1802, ISSN 1311-5065, FI: 0.259, 2013,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
<http://www.jepe-journal.info/vol14-no4-2013>
6. Binchiciu H., Iovanas D.M., **Dumitrașcu A.E.**, Dozescu S.I. – *Studies Regarding the Reliability of the Matrices Used for Train Wheels after Being Reconditioned through Weld Cladding*, “METALURGIA INTERNATIONAL” vol. XIV (2009), special issue no. 2*, ISSN 1582-2214, p. 147-150, FI: 0.07,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
7. **Dumitrașcu A.-E.**, Dumitrașcu D.-I., Sârbu F.A. - *Evaluation Study of Environmental Impact on Industrial Processes*, 13th International Conference “STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES’ COLLABORATION”, RECENT, vol. 17, no. 3(49), p. 311-314, nov. 2016, Brasov,
<http://www.recentonline.ro/049/b-06-Dumitrascu-R49.pdf>
8. **Dumitrașcu A.-E.**, Lepadatescu B., *On Some Aspects Regarding the Waste Management Specific to Manufacturing Processes in Accordance with ISO 14001*. International Journal of Power Systems, ISSN: 2367-8976, Vol. 1, 59-63, 2016,
http://scholar.google.ro/citations?view_op=view_citation&continue=/scholar%3Fhl%3Dro%26as_sdt%3D0,5%26scilib%3D1&citilm=1&citation_for_view=RbUUEboAAAAJ:uWiczbcAjpAC&hl=ro&oi=p, <http://www.ias.org/ias/home/caijps/on-some-aspects-regarding-the-waste-management-specific-to-manufacturing-processes-in-accordance-with-iso-14001>
9. **Dumitrașcu A.-E.**, *Assessment of Environmental Aspects for Manufacturing Processes*, In Recent, ISSN 1582-0246, Vol. 16, No. 2 (45), pp. 89-94, July 2015,
http://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=RbUUEboAAAAJ&cstart=20&pagesize=80&citation_for_view=RbUUEboAAAAJ:9Nmd_mFXekcC
<http://www.recentonline.ro/045/Dumitrascu-R45.pdf>
10. Nicolae R., Nedelcu A., **Dumitrașcu A.-E.**, *Improvement the quality of industrial products by applying the PARETO chart*, Review of the Air Force Academy, ISSN 1842-9238, No 3 (30) 2015, p. 169-172,
http://scholar.google.ro/citations?view_op=view_citation&continue=/scholar%3Fhl%3Dro%26as_sdt%3D0,5%26scilib%3D1&citilm=1&citation_for_view=RbUUEboAAAAJ:zLWjflWUPmWC&hl=ro&oi=p
[http://www.afahc.ro/ro/revista/2015_3/NICOLAE\(MANESCU\) NEDELUCU DUMITRASC U_2015_3.pdf](http://www.afahc.ro/ro/revista/2015_3/NICOLAE(MANESCU) NEDELUCU DUMITRASC U_2015_3.pdf)
11. **Dumitrașcu A.-E.**, Nedelcu A. – *On some aspects regarding development of integrated waste management*. Academic Journal of Manufacturing Engineering, VOL. 10, Issue 2/2012, ISSN 1583-7904, p. 42-47,
<http://www.scimagojr.com/journalsearch.php?q=19900192427&tip=sid&clean=0>
<http://www.journals.indexcopernicus.com/Academic+Journal+of+Manufacturing+Engineering.p3557,3.html>

12. **Dumitrașcu A.-E.**, Nedelcu A. – *The quality improvement of aluminum alloy products obtained by mechanical processes*. Metalurgia International, Vol. XVIII (2013), no. 7, ISSN 1582-2214, p. 304-307, Impact Factor: 0.134, SRI: 0.054, <http://connection.ebscohost.com/c/articles/87858541/quality-improvement-aluminum-alloy-products-obtained-by-mechanical-processes>
13. Nedelcu A., **Dumitrașcu A.-E.** – *Implementation of risk management to the manufacturing of carbon nanotubes*. Metalurgia International, Vol. XVIII (2013), no. 7, ISSN 1582-2214, p. 290-293, Impact Factor: 0.134, SRI: 0.054, <http://connection.ebscohost.com/c/articles/87858471/implemetation-risk-management-manufacturing-carbon-nanotubes>
14. Slicu, C., Ciobanu, V., **Dumitrascu, A.-E.** - *Risks Evaluation of Occupational Health and Security Specific to Forest Road Execution*. Bulletin of the Transilvania University of Brasov, Series II, Vol. 5 (54) No. 1, p. 103-108, ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM), 2012, <http://www.scopus.com/record/display.url?eid=2-s2.0-84867611033&origin=resultslist&sort=plf-f&src=s&st1=slicu&sid=38707D5209A1964AB9CF1064FA187E1F.aXczxbyuHHiXgaIW6Ho7g%3a180&sot=b&sdt=b&sl=19&s=AUTHOR-NAME%28slicu%29&relpos=2&relpos=2&searchTerm=AUTHOR-NAME%28slicu%29>
15. Slicu, C., Ciobanu, V., **Dumitrascu, A.-E.** - *Risks Assessment in Forest Roads Design*. Bulletin of the Transilvania University of Brasov, Series II, Vol. 5 (54) No. 2, p. 43-48, ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM), 2012, <http://www.scopus.com/record/display.url?eid=2-s2.0-84871866988&origin=resultslist&sort=plf-f&src=s&st1=slicu&sid=38707D5209A1964AB9CF1064FA187E1F.aXczxbyuHHiXgaIW6Ho7g%3a180&sot=b&sdt=b&sl=19&s=AUTHOR-NAME%28slicu%29&relpos=0&relpos=0&searchTerm=AUTHOR-NAME%28slicu%29>
16. **Dumitrașcu A.-E.**, Moroșanu C., Ciobanu V. - *The influence of oak raw timber diameter on the efficiency of decorative veneers*, Bulletin of the Transilvania University of Brașov, Series II: Forestry-Wood Industry-Agricultural Food - Engineering, Vol. 4 (53), No. 2, ISSN 2065-2135, pp. 27-32, 2011, <http://www.ebscohost.com/titleLists/fsr-coverage.pdf>
17. Moroșanu C., **Dumitrașcu A.-E.**, Ciobanu V. - *The influence of oak raw timber defects on decorative veneer cutting*, Bulletin of the Transilvania University of Brașov, Series II: Forestry-Wood Industry-Agricultural Food - Engineering, Vol. 4 (53)
18. **Dumitrașcu A.-E.**, Lepădătescu B., Dumitrașcu D. – *Quality Estimation of the Industrial Processes Using Average Range Length and Capability Indices*. International Conference on “Computing and Solutions in Manufacturing Engineering - CoSME '08”, Published in Academic Journal of Manufacturing Engineering, Issue 1/2008, Politehnica Publishing House, pp. 96-103, ISSN 1583-7904, September 25 – 27, 2008, Brasov, Romania, <http://www.journals.indexcopernicus.com/Academic+Journal+of+Manufacturing+Engineering.p3557,3.html>
19. Slicu, C., Ciobanu, V., **Dumitrascu, A.-E.** - *Monitoring and control of risks for the execution process of forest roads*, Romanian Journal of Economics, Volume 37, issue 2(46), pp. 112-123, ISSN 1220-5567, 2013, http://econpapers.repec.org/article/inejournal/v_3a2_3ay_3a2013_3ai_3a44_3ap_3a112-123.htm
<http://www.revecon.ro/articles/2013-2/2013-2-8.pdf>
20. Ciobanu V., Alexandru V., Borz S.A., Mihaila M., **Dumitrascu A.-E.** - *Calculus and evaluation methods for forest roads execution impact upon the environment*. INTERNATIONAL JOURNAL of ENERGY and ENVIRONMENT, ISSN: 1109-9577, Issue 5, Volume 5, pp. 686-693, 2011, <http://www.naun.org/multimedia/NAUN/energyenvironment/20-784.pdf>

21. Lepadatescu B., **Dumitrașcu A.-E.**, Enescu I. – *Increasing the parts surface quality through superfinishing process*. The Journal of the Advanced Materials and Operations Society - AMO, Issue 4, Vol. 1, “St. Ivan Rilski” Publishing House, ISSN 1313-8987, pp. 89-92, 2010.
22. **Dumitrașcu A.-E.** – *La gestion des risques industriels*. Simpozionul Anual de Fiabilitate și Calitate - Optimum Q, Ediția a XVII-a, Vol. XVII, Nr. 1-3/2007, ISSN 1220-6598, 30 noiembrie 2007, București, Romania.
23. **Dumitrașcu A.-E.** – Managementul riscului aplicând analiza modurilor de defectare și a efectelor defectărilor - FMEA. Simpozionul Anual de Fiabilitate și Calitate - Optimum Q, Ediția a XVII-a, Vol. XVII, Nr. 1-3/2006, pag. 69-74, ISSN 1220-6598, 24 noiembrie 2006, București, Romania.
24. **Dumitrașcu (Șimon) A. – E.** – Managementul calității proiectelor. Simpozionul Anual de Fiabilitate și Calitate - Optimum Q, Ediția a XVI-a, Vol. XV, Nr. 3-4/2005, pag. 22-28, ISSN 1220-6598, 2 decembrie 2005, București, Romania, 2005.

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

1. Buzatu C., **Dumitrașcu A.-E.**, Dumitrașcu D.I., Orzan I. - *Contributions to Multi-Criteria Optimization of Cutting Processing*, Applied Mechanics and Materials, Engineering Solutions and Technologies in Manufacturing, Vol. 657 (2014), ISSN: 1662-7482, pp. 48-52, Trans Tech Publications, Switzerland, doi:10.4028, www.scientific.net/AMM.657.48
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=4&SID=P1ka33mvxZWJyKIwO2k&page=1&doc=2
2. Ciobanu, V., **Dumitrașcu, A.-E.**, Tudosoiu, C., Borz, A. - *Advanced Quality Planning of Manufacturing Products - APQP*, in „Applied Mechanics and Materials”, Innovative Manufacturing Engineering, Vol. 371 (2013), pp. 777-781, Trans Tech Publications, ISSN: 1662-7482, May 23-24, Switzerland, doi: 10.4028/www.scientific.net/AMM.371.777
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=3&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
3. **Dumitrașcu A.-E.**, Nedelcu Ș., Lepădătescu B. – *Project Cost Estimation of the Quality Management System Implementation*, International Conference on ENGINEERING EDUCATION (EDUCATION '10), pp. 267-270, July 22-24, Corfu Island, Greece, 2010, ISSN 1792-426X, ISBN 978-960-474-202-8,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=37&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
4. **Dumitrașcu A.-E.**, Nedelcu A., Cristea L. – *Some Analysis Elements of the Reliability and Quality of Industrial Processes*, International Conference on EDUCATION AND EDUCATIONAL TECHNOLOGY (EDU '10), pp. 201-204, October 4-6, Japan, 2010, ISSN 1792-5061, ISBN 978-960-474-232-5,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=36&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
5. Nedelcu A., **Dumitrașcu A.-E.**, Cristea L. – *The Method Used for Measuring the Customers' Satisfaction*, International Conference on EDUCATION AND EDUCATIONAL TECHNOLOGY (EDU '10), pp. 197-200, October 4-6, Japan, 2010, ISSN 1792-5061, ISBN 978-960-474-232-5,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=35&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
6. Lepadatescu B., Nedelcu A., Lupulescu N.B., **Dumitrașcu A.E.**, Enescu I. – *Improving productivity on working with CNC machine tools*. International Conference on Applied and Theoretical Mechanics (MECHANICS '09), Puerto de la Cruz, Tenerife, Canary Islands,

- Spain, December 14-16, 2009, pp. 93-96, ISSN: 1790-2769, ISBN: 978-960-474-140-3, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
7. Buzatu C., Lepadatescu B., **Dumitrașcu A.E.**, Enescu I. – *Theoretical and Experimental Studies and Simulations Regarding Influence of Tool Thermal Deformation on the accuracy at machining*. International Conference on SYSTEM SCIENCE and SIMULATION in ENGINEERING, Genova, Italy, 17-19 October, pp. 137-140, 2009, ISSN:1790-2769, ISBN: 978-960-474-131-1, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=32&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
 8. **Dumitrașcu A.-E.**, Buzatu C., Dumitrașcu D., Bârsan-Pipu N., Iovănaș D.M., Nedelcu A. – *Risks Estimation in Quality and Reliability for Improving the Performances of Industrial Processes*. ADVANCES IN MANUFACTURING ENGINEERING, QUALITY AND PRODUCTION SYSTEMS (MEQAPS '09), pp. 337-340, Vol. II., September 24-26, Brașov, România, 2009, ISSN 1790-2769, ISBN 978-960-474-122-9, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=31&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
 9. Nedelcu A., **Dumitrașcu A.-E.**, Sangeorzan L. – *Researches on CAPP Activity Modeling for Manufacturing Processes*. International Conference on SIMULATION, MODELLING AND OPTIMIZATION (SMO '09), Budapest Tech, Hungary, September 3-5, 2009, pp. 143-146, ISSN: 1790-2769, ISBN: 978-960-474-113-7,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=6
 10. Nedelcu A., Sangeorzan L., **Dumitrașcu A.-E.**, Oancea G. – *Optimization of the Process Planning by Decision-Making Laws within Manufacturing Flexible Systems*. International Conference on SIMULATION, MODELLING AND OPTIMIZATION (SMO '09), Budapest Tech, Hungary, September 3-5, 2009, pp. 147-151, ISSN: 1790-2769, ISBN: 978-960-474-113-7,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=7
 11. **Dumitrașcu A.-E.**, Nedelcu A., Cristea L. – *Modern Approaches to Improvement the Processes Reliability*. International Conference on INSTRUMENTATION, MEASUREMENT, CIRCUITS and SYSTEMS (IMCAS'09), pp. 87-90, May 20-22, Hangzhou, China, 2009, ISSN 1790-5117, ISBN 978-960-474-076-5, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=3
 12. Nedelcu A., **Dumitrașcu A.-E.**, Cristea L. – *The Importance to Evaluate Risks of Occupational Health and Safety*. International Conference on INSTRUMENTATION, MEASUREMENT, CIRCUITS and SYSTEMS (IMCAS'09), pp. 79-82, May 20-22, Hangzhou, China, 2009, ISSN 1790-5117, ISBN 978-960-474-076-5, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=2
 13. Lepădătescu B., Fota A., Nedelcu A., Buzatu C., **Dumitrașcu A.-E.**, Enescu I. – *Flexible Superfinishing Modules used in SME (Small and Medium Enterprises)*. International Conference on SIGNAL PROCESSING, ROBOTICS and AUTOMATION (ISPRA '09), pp. 86-90, February 21-23, Cambridge, UK, 2009, ISSN 1790-5117, ISBN 978-960-474-054-3, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=5
 14. Nedelcu A., **Dumitrașcu A.E.**, Fota A., Lepadatescu B. – *Risks estimation using failure mode and effects analyses method*. International Conference on SIGNAL PROCESSING,

- ROBOTICS and AUTOMATION (ISPRA'09), pp. 78-81, February 21-23, Cambridge, UK, 2009, ISSN 1790-5117, ISBN 978-960-474-054-3, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=11&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=4
15. Enescu I., Vlase S., Purcarea R., Lepadatescu B., **Dumitrașcu A.-E.** – *Non-Hertzian Normal Contact of Elastic Body Model by Finite Elements*. Annals of DAAAM for 2008 & Proceedings of the 19th DAAAM International Symposium "Intelligent Manufacturing & Automation", October 22-25th, 2008, Trnava, Slovakia, pp. 479-480, ISSN 1726-9679,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=26&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=2
 16. Lepadatescu B., Buzatu C., Duicu S., **Dumitrașcu A.-E.**, Enescu I. – *Contributions for Increasing the Productivity of CNC Machines*. Annals of DAAAM for 2008 & Proceedings of the 19th DAAAM International Symposium "Intelligent Manufacturing & Automation", October 22-25th, 2008, Trnava, Slovakia, pp. 747-748, ISSN 1726-9679,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=27&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
 17. Lepădătescu B., **Dumitrașcu A.-E.**, Buzatu C., Duicu S., Enescu I. – *Theoretical and Applicative Contributions to Flexibility of Technology at Turning On CNC Machine Tools*. In „Recent Advances in Systems, Communications & Computers”, pp. 325-329, April 6-8, Hangzhou, China, 2008, ISSN 1790-5117, ISBN 978-960-6766-61-9, Available from:
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=28&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
 18. Buzatu C., Lepadatescu B., **Dumitrașcu A. E.** – *Studies Regarding Influence of the Process Parameters on the Surface Roughness at Manufacturing by Grinding*. In Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium “Intelligent Manufacturing & Automation; Focus on Creativity, Responsibility, and Ethics of Engineers”, 24-27th October, Zadar, Croatia, pp. 127-128, ISBN 3-901509-58-5, ISSN 1726-9679,
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=29&SID=T1IgY9vwAnr6SINfYL9&page=1&doc=1
 19. Buzatu C., **Dumitrașcu A.-E.**, Contributions to the Experimental Study Regarding the Influence of the Cutting Fluid on the Grinding Process Performances, Business and Economics Series - Economics and Education, ISSN: 2227-460X, ISBN: 978-1-61804-369-6, p. 128-136, Barcelona, Spain, February 13-15, 2016
http://scholar.google.ro/citations?view_op=view_citation&continue=/scholar%3Fhl%3Dro%26as_sdt%3D0,5%26scilib%3D1&citilm=1&citation_for_view=RbUUEboAAAAJ:vDjrp_gm4C&hl=ro&oi=p
 20. **Dumitrașcu A.-E.**, Sârbu F.A., Assessment of risks factors in accordance with OHSAS 18001 standard, Recent Advances in Environmental and Earth Sciences and Economics, ISBN: 978-1-61804-324-5, p. 363-366, Zakynthos 2015
http://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=RbUUEboAAAAJ&cstart=20&pagesize=80&citation_for_view=RbUUEboAAAAJ:9ZIFYXVOiuMC
<http://www.inase.org/library/2015/zakynthos/bypaper/ENG/ENG-59.pdf>
 21. **Dumitrașcu A.-E.**, Buzatu C., The Case Study on Environmental Aspects Assessment of a Production Process, Recent Advances on Environmental and Life Science, ISBN: 978-1-61804-332-0, p. 61-65, Seoul, South Korea, September 5-7, 2015,
http://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=RbUUEboAAAAJ&cstart=20&pagesize=80&citation_for_view=RbUUEboAAAAJ:XD-gHx7UXLsC
 22. Lepadatescu B., **Dumitrașcu A.-E.**, Nedelcu A., Studies Regarding the Irrigation to the Hilly and Terraced Surfaces, Advances in Environmental Sciences, Development and Chemistry, pp. 55-61, ISBN: 978-1-61804-239-2, Santorini Island, Greece, July 17-21, 2014, <http://www.europment.org/library/2014/santorini/bypaper/ENVIR/ENVIR-06.pdf>

- <http://inase.org/library/2014/santorini/bypaper/ENVIR/ENVIR-06.pdf>
http://scholar.google.ro/citations?view_op=view_citation&hl=en&user=RbUUEboAAAAJ&cstart=20&pagesize=80&citation_for_view=RbUUEboAAAAJ:Se3iqnhoufwC
23. Bereziuc, R.; Alexandru, V.; Ciobanu, V.; Mușat, E. C.; **Dumitrașcu, A. E.**; Antoniadu, C.; Vișan, J., The density index of the forest-road network managed by the National Forest Administration (R.N.P.), Proceedings of the Biennial International Symposium. Forest and Sustainable Development, ISSN 1843-505X, Brașov, Romania, 24-25th October 2015 pp. 201-208,
http://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=RbUUEboAAAAJ&cstart=20&pagesize=80&citation_for_view=RbUUEboAAAAJ:ipzZ9siozwsC
<http://www.cabdirect.org/abstracts/20153393002.html;jsessionid=6A7C7EC23F7AB0B7EE916C9DEAFBA53>
24. Lepadatescu, B., Mugea, N., **Dumitrascu, A.-E.**, Enescu, I. - *Studies Regarding Designing and Testing of a Multicolor Helical Wind Turbine with Vertical Axis for a Power of 1000 W*. Recent Advances in Fluid Mechanics and Heat & Mass Transfer, ISBN: 978-1-61804-026-8, pp. 43-46, Florence, Italy, August 23-25, 2011,
<http://www.scopus.com/record/display.url?eid=2-s2.0-83655183620&origin=resultslist&sort=plf-f&src=s&st1=Studies+Regarding+Designing+and+Testing+of+a+Multicolor+Helical+Wind+Turbine+with+Vertical+Axis+for+a+Power+of+1000+W&sid=29E3625BD67E95BA7C99CB1B0307BA45.CnvicAmOODVwpVrjSeqQ%3a80&sot=b&sdt=b&sl=124&s=TITLE%28Studies+Regarding+Designing+and+Testing+of+a+Multicolor+Helical+Wind+Turbine+with+Vertical+Axis+for+a+Power+of+1000+W%29&relpos=0&relpos=0&citeCnt=0&searchTerm=TITLE%28Studies+Regarding+Designing+and+Testing+of+a+Multicolor+Helical+Wind+Turbine+with+Vertical+Axis+for+a+Power+of+1000+W%29>
25. Lepadatescu, B., **Dumitrascu, A.-E.**, Enescu, I., Nedelcu, A. – *Researches regarding the improvement of workpieces surface finish by machining through superfinishing process*. International Conference on MANUFACTURING ENGINEERING, QUALITY and PRODUCTION SYSTEMS (MEQAPS), pp. 190-195, ISBN: 978-960-474-294-3, April 11-13, Available from: <http://www.scopus.com/>
26. Duicu S., **Dumitrascu A.-E.** - *Researches Concerning Risk Assessing Using Pareto Diagram for Design Process of Technological Processes*. International Conference on Recent Advances in Signal Processing, Computational Geometry and Systems Theory, ISBN: 978-1-61804-027-5, p. 189-192, Florence, Italy, August 23-25, 2011
<http://www.scopus.com/record/display.url?eid=2-s2.0-82655164324&origin=resultslist&sort=plf-f&src=s&st1=adela-eliza+dumitrascu&sid=38707D5209A1964AB9CF1064FA187E1F.aXczxbyuHHiXgaIW6Ho7g%3a20&sot=b&sdt=b&sl=35&s=AUTHOR-NAME%28adela-eliza+dumitrascu%29&relpos=1&relpos=1&searchTerm=AUTHOR-NAME%28adela-eliza+dumitrascu%29>
27. Nedelcu A., **Dumitrașcu A.-E.** - *Studies on Heat Exchangers Efficiency*. Recent Advances in Fluid Mechanics and Heat & Mass Transfer, ISBN: 978-1-61804-026-8, pp. 184-187, Florence, Italy, August 23-25, 2011, <http://www.scopus.com/record/display.url?eid=2-s2.0-83655211663&origin=resultslist&sort=plf-f&src=s&st1=adela-eliza+dumitrascu&sid=38707D5209A1964AB9CF1064FA187E1F.aXczxbyuHHiXgaIW6Ho7g%3a20&sot=b&sdt=b&sl=35&s=AUTHOR-NAME%28adela-eliza+dumitrascu%29&relpos=0&relpos=0&searchTerm=AUTHOR-NAME%28adela-eliza+dumitrascu%29>
28. **Dumitrașcu A.-E.**, Buzatu C., Dumitrașcu D. – *Project Quality Management as Competitive Advantage of Projects Success*. International Conference on “Computing and Solutions in Manufacturing Engineering - CoSME '08”, Published in Academic Journal of

- Manufacturing Engineering, Issue 1/2008, Politehnica Publishing House, pp. 90-95, ISSN 1583-7904, September 25 – 27, 2008, Brasov, Romania,
<http://www.journals.indexcopernicus.com/Academic+Journal+of+Manufacturing+Engineering.p3557,3.html>
29. Lepădătescu B., Buzatu C., **Dumitrașcu A.-E.**, Enescu I. – *Study Regarding Superfinishing of Flat Circular Surfaces*. International Conference on “Computing and Solutions in Manufacturing Engineering - CoSME '08”, Published in Academic Journal of Manufacturing Engineering, Issue 1/2008, Politehnica Publishing House, pp. 210-215, ISSN 1583-7904, September 25 – 27, 2008, Brasov, Romania,
<http://www.journals.indexcopernicus.com/Academic+Journal+of+Manufacturing+Engineering.p3557,3.html>
30. Lepădătescu B., **Dumitrașcu, A.-E.**, Enescu, I. – *Establishing parameters that influence the length and shape of the abrasive grain path at traverse superfinishing*. The 4th International Conference on Economic Engineering and Manufacturing Systems - ICEEMS 2007, Transilvania University of Brasov. In RECENT, Vol. 8 (2007), No. 3a(21a), p. 513-516, ISSN 1582-0246, Novembre 2007, Brasov,
<http://www.journals.indexcopernicus.com/RECENT,p4064,3.html>
31. **Dumitrașcu A.E.**, Lepădătescu B., Dumitrașcu D.-I., Buzatu C., Implementation of Occupational Health and Safety Management System – Case Study, Recent Advances in Energy, Environment, Biology and Ecology, pp. 50-54, ISBN: 978-960-474-358-2, Tenerife, Spain, January 10-12, 2014, <http://www.wseas.us/e-library/conferences/2014/Tenerife/BIOENV/BIOENV-05.pdf>
32. Girdu C., Lepădătescu B., Popa L., **Dumitrașcu A.-E.**, Virtual Enterprise Management, Recent Advances in Systems, Zakynthos Island, Greece, July 16-20, ISSN: 1790-5117, ISBN: 978-1-61804-321-4, p. 158-162, 2015,
<http://www.inase.org/library/2015/zakynthos/SYSTEMS.pdf>
33. Lepădătescu B., Nedelcu A., **Dumitrașcu A.-E.**, Studies Regarding the Specificity of the Abrasive Processes, Mathematics and Computers in Sciences and Industry, Sliema, Malta, August 17-19, ISBN: 978-1-61804-327-6, p. 43-47, 2015.
<http://www.inase.org/library/2015/books/bypaper/MCSI/MCSI-06.pdf>
34. **Dumitrașcu A.-E.**, Lepădătescu B., On Some Aspects Regarding Risk Assessment of Accidents and Occupational Health in Accordance with ISO 18001 - Case Study, 11th International Conference “Standardization, Prototypes and Quality – A Means of Balkan Countries’ Collaboration”, pp. 303-310, ISBN 978-619-167-048-2, September 9-11, Belgrade, Serbia, 2014, <http://www.11thconference.fon.bg.ac.rs/>
35. **Dumitrașcu A.-E.**, Ciobanu V., Dumitrașcu, D.-I., *The Quality Performances Improvement Using Failure Mode and Effects Analysis Method*, Advances in Accounting, Auditing and Risk Management, Proceedings of the 2nd International Conference on Finance, Accounting and Auditing (FAA '13), Proceedings of the 2nd International Conference on Risk Management, Assessment and Mitigation (RIMA '13), p. 150-154, ISSN: 2227-460X, ISBN: 978-1-61804-192-0, Brasov, Romania, June 1-3, 2013, <http://www.wseas.us/e-library/conferences/2013/Brasov/FARI/FARI-25.pdf>
36. **Dumitrașcu A.-E.**, Lepădătescu B., *Risk Assessment of Accidents and Occupational Health in Romanian Educational Domain – Case Study*, 10th Anniversary International Conference on “Standardization and Related Activities – A Means of International and Balkan Collaboration”, pp. 70-75, ISBN 978-619-167-048-2, September 13-14, 2013, www.eneprot.gr
37. **Dumitrașcu A.-E.**, Ciobanu V., Tudosoiu C. - *Quality Management System Implementation for Superficial Plastic Deformation Process*. The 16th International Conference on “Modern Technologies, Quality and Innovation – ModTech 2012”, ISSN 2069-6736, p. 341-344, May 25-27, Sinaia, Romania, 2012.

38. **Dumitrașcu A.-E.**, Nedelcu A. – *Statistical Inference of Reliability Estimation of Industrial Processes*. Advanced in Computer Science, European Computing Conference (ECC '12), p. 310-314, ISSN 1790-5109 (ISBN 978-1-61804-126-5), Prague, Czech Republic, September 24-26, 2012, <http://www.wseas.us/e-library/conferences/2012/Prague/ECC/ECC-47.pdf>
39. **Dumitrașcu A.-E.**, Nedelcu A. – *Implementation of Waste Management System*. Recent Advances in Engineering, Proceedings of the 3th European Conference of Chemical Engineering (ECCE '12) and Proceedings of the 3th European Conference of Civil Engineering (ECCIE '12), p. 85-88, ISSN 2227-4588 (ISBN 978-1-61804-137-1), Paris, France, December 2-4, 2012, <http://www.wseas.us/e-library/conferences/2012/Paris/CHEMCIV/CHEMCIV-12.pdf>
40. **Dumitrascu A.-E.**, Lepadatescu B., Enescu I. - *Researches on environment management – principle of sustainable development*. The 13th International Conference of Scientific Papers “Scientific Research and Education in the Air Force“ - AFASES 2011, ISSN 2247- 3173 , pp. 985-989, Brasov, 26-28 May 2011.
41. Enescu I., Lepadatescu B., **Dumitrascu A.-E.** - *Elastic foundation model of rolling contact with friction by finite element*. The 13th International Conference of Scientific Papers “Scientific Research and Education in the Air Force“ - AFASES 2011, ISSN 2247- 3173 , pp. 867-871, Brasov, 26-28 May 2011.
42. **Dumitrascu A.-E.**, Lepadatescu B., Fota A. - *Case Study Regarding the Implementation of Risks Management Procedure for Flexible Manufacturing Systems*. 8th International Conference on “STANDARDIZATION, PROTOTYPES & QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION”, ISBN 978-619-167-048-2, pp. 312-319, October 7-8, 2011
43. Enescu I., Lepadatescu B., **Dumitrascu A.-E.**, Fota A. - *Simulation of the Roughing and Laminate Processes*. 8th International Conference on “STANDARDIZATION, PROTOTYPES & QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION”, ISBN 978-619-167-048-2, pp. 201-207, October 7-8, 2011
44. Duicu S., **Dumitrascu A.-E.**, Lepadatescu B. - *Project Quality Evaluation – An Essential Component of Project Success*. Mathematics and Computers in Biology, Business and Acoustics, ISBN: 978-960-474-293-6, pp. 139-142, April 11-13, Brasov, 2011, <http://www.wseas.us/e-library/conferences/2011/Brasov2/MCBANTA/MCBANTA-23.pdf>
45. **Dumitrascu A.-E.**, Duicu S. - *Aspects Regarding the Monte-Carlo Simulation of Products Reliability*. Recent Researches in Neural Networks, Fuzzy Systems, Evolutionary Computing and Automation, ISBN: 978-960-474-292-9, pp. 145-149, April 11-13, Brasov, 2011, <http://www.wseas.us/e-library/conferences/2011/Brasov2/NEFECIC/NEFECIC-24.pdf>
46. Lepadatescu B., **Dumitrascu A.-E.**, Enescu I., Nedelcu A. - *Research Regarding the Improvement of Workpieces Surface Finish by Machining Through Superfinishing Process*. Recent Advances in Manufacturing Engineering, Proceedings of the 4th International Conference on Manufacturing Engineering Quality and Production Systems, Barcelona, Spain, September 15-17, pp. 190-195, ISBN: 978-1-61804-031-2, 2011, <http://www.wseas.us/e-library/conferences/2011/Barcelona/MEQAPS/MEQAPS-31.pdf>
47. **Dumitrascu A.-E.**, Lepadatescu B. - *Researches Regarding Industrial Process Capability*. International Conference “Mechanics and Machine Elements”, pp. 306-310, ISSN: 1314-040X, Novembre 3-5, Sofia, Bulgaria, 2011.
48. Mugea N., Lepadatescu B., **Dumitrascu A.-E.** - *Preparation of Domestic Hot Water in a Thermal Station Using Solar Collectors*. International Conference “Mechanics and Machine Elements”, pp. 110-116, ISSN: 1314-040X, Novembre 3-5, Sofia, Bulgaria, 2011.
49. Lepădătescu B., **Dumitrașcu A.-E.**, Fota A. – *Aspects Regarding the Process of Risks Evaluation*, Proceedings of the 7th International Conference “STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES’

- COLLABORATION”, pp. 146-151, ISBN 978-86-7680-213-5, June 8-9, Belgrad, 2010, www.eneprot.gr
50. Fota A., Lepădătescu B., **Dumitrașcu A.-E.** – *Models of Evaluating of the Performance Logistic Systems*. Proceedings of the 7th International Conference “STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES’ COLLABORATION”, pp. 165-172, ISBN 978-86-7680-213-5, June 8-9, Belgrad, 2010, www.eneprot.gr.
51. **Dumitrașcu A.-E.**, Nedelcu A. – *Aspects Regarding Products Quality Based on Reliability Estimation*. The 2nd International Conference “Advanced Composite Materials Engineering and Advanced in Human Body Protection to Vibrations - COMAT 2008”, Vol. 1B, pp. 331-335, ISSN 1844-9336, October 9-11, 2008, Brașov, Romania, www.fisita.org.
52. Buzatu C., Fota A., **Dumitrașcu A.-E.**, Lepădătescu B. – *Researches Regarding The Risks Evaluation of Occupational Health And Security*, Proceedings of the 6th International Conference “STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES’ COLLABORATION”, pp. 267-274, October 9-10, Thessaloniki, Greece, 2009, ISBN 978-960-87973-9-0, www.eneprot.gr
53. Lepădătescu B., Buzatu C., **Dumitrașcu A.-E.** – *The Possibility of Standardization of a Method to Obtain the Optimum Process Parameters at Machining*. The 5th Balkan Conference and 14th National Conference “Standardization, Prototyping and Quality – Factors for Balkan Co-operation”, September 15-16, 2008, pp. 26-29, Sozopol, Bulgaria, www.eneprot.gr
54. Lepădătescu B., Buzatu C., **Dumitrașcu A.-E.**, Enescu I. – *Technology and Flexible Equipment to machining by Superfinishing Flat surfaces*. International Conference “Challenges in Higher Education and Research in the 21-st Century”, Vol. 6, Heron Press, pp. 305-307, ISBN 978-954-580-247-8, 4-7 iunie, Sozopol, Bulgaria, 2008.
55. Lepădătescu B., Buzatu C., **Dumitrașcu A.-E.**, Enescu I. – *Experimental Researches Regarding the Influence Factors on the Surface Finish for a Parts Machined by Superfinishing*. International Conference “Challenges in Higher Education and Research in the 21-st Century”, Vol. 6, Heron Press, pp. 308-310, ISBN 978-954-580-247-8, 4-7 iunie, Sozopol, Bulgaria, 2008.
56. **Dumitrașcu A.-E.**, Buzatu C., Lepădătescu B. – *Quality Management System Applied to Development Product Processes*. The 8th International Conference “Modern Technologies In Manufacturing - MTeM 2007”, pp. 139-142, ISBN 973-9087-83-3, 4-5 October, Cluj-Napoca, Romania, 2007.
57. **Dumitrașcu A.-E.**, Nedelcu. A. – *Communication Management – Essential Component of Project Management*. The 8th International Conference “Modern Technologies In Manufacturing - MTeM 2007”, pp. 143-146, ISBN 973-9087-83-3, 4-5 October, Cluj-Napoca, Romania, 2007.
58. **Dumitrașcu A.-E.**, Dumitrașcu D. – *Aspecte privind managementul prin procese – planificarea calității*. Sesiune de comunicări științifice cu participare internațională „Educație și Cercetare Științifică la Standarde Comunitare” organizată de Academia Forțelor Aeriene “HENRI COANDĂ”, pag. 183-190, ISBN 978-973-8415-45-4, 11-12 Mai, Brașov, România, 2007.
59. Dumitrașcu D., **Dumitrașcu A.-E.** – *Medii virtuale de proiectare și simulare*. Sesiune de comunicări științifice cu participare internațională „Educație și Cercetare Științifică la Standarde Comunitare” organizată de Academia Forțelor Aeriene “HENRI COANDĂ”, pag. 191-198, ISBN 978-973-8415-45-4, 11-12 Mai, Brașov, România, 2007.
60. **Dumitrașcu A.-E.**, Buzatu C., Lepădătescu B. – *On Some Quality Management System Aspects*. Conferința Științifică Internațională “Tehnologii Moderne, Calitate, Restructurare - TMCR 2007”, Ediția a XI-a, pp. 158-161, Vol. 4, ISBN 978-9975-45-037-9, 31 mai – 03 iunie, Chișinău, Republica Moldova, 2007.

61. **Dumitrașcu A.-E.**, Dumitrașcu D. – *Project Time Management – Tools and Techniques*. Conferința Științifică Internațională “Tehnologii Moderne, Calitate, Restructurare - TMCR 2007”, Ediția a XI-a, pp. 162-165, Vol. 4, ISBN 978-9975-45-037-9, 31 mai – 03 iunie, Chișinău, Republica Moldova, 2007.

ALTE LUCRĂRI / REALIZARI RELEVANTE

Proiecte de cercetare câștigate prin competiție

- *Consolidarea cooperării științifice dintre Universitatea Transilvania din Brașov și Reykjavik University*, contract internațional finanțat prin Mecanismul Financiar SEE din Fondul de Relații Bilaterale al Programului RO14 "Cercetare în Sectoare Prioritare", nr. 3BIL/29.08.2016, valoare 4000 euro (17834 ron), **director proiect**
- *Quality, protypation and good practices from their application*, Erasmus+ programme KA1 Adult Education Mobility, nr. 2015-1-EL01-KA104-013684, valoare totala proiect 15.528 euro, valoare Universitatea Transilvania 3300 euro (14850 ron), **responsabil proiect**
- *Revizuirea normativului de întreținere și reparare a drumurilor forestiere* (Etapa I - 2013: *Realizarea unui studiu privind managementul riscurilor caracteristice proceselor de proiectare, execuție, reabilitare si întreținere a drumurilor forestiere*, valoare 70000 Ron; Etapa II - 2014: *Elaborarea Normativului de Întreținere și Reparare a Drumurilor Forestiere*, valoare 80000 Ron), contract de cercetare științifică nr. 4580/11.04.2013 (Universitatea Transilvania din Brasov), nr. 55/08.04.2013, Ministerul Mediului și Schimbărilor Climatice – Regia Națională a Pădurilor – Romsilva, **director proiect**
- *Tehnologii inovative pentru realizarea de elemente modulate destinate fabricării sculelor pentru deformări plastice (ELMOD) – Contract PNCDI – P4*, nr. 71-039/14.09.2007, director proiect - Prof.dr.ing. Radu IOVANAS, valoare grant - 1900000, perioada 2007÷2009, în calitate de membru.
- *Cercetări teoretice fundamentale și experimentale privind performanțele procedurii de prelucrare prin superfinisare în sistemele tehnologice flexibile de fabricație*, Contract de cercetare de tip CNCISIS, nr. 4GR/28.05.2007, tema 12, Cod CNCISIS 1055, valoare grant - 90000 Ron, director - Prof.dr.ing. Constantin BUZATU, perioada 2007÷2008, în calitate de membru.
- *Rețea națională de cercetare în domeniul ingineriei integrate a produsului și a procesului (INPRO) – Program de Cercetare de Excelență CEEX*, nr. 243 / 08.09.2006, coordonator - Universitatea “Politehnica” din Timișoara, director proiect - Prof.dr.ing. George DRĂGHICI, responsabil UTBv prof.dr.ing. N.B. Lupulescu, perioada 2006÷2008, în calitate de membru.
- *Dezvoltarea capitalului uman prin dezvoltarea abilitatilor manageriale pentru implementarea Sistemului de Management Integrat (calitate, mediu, sanatate si securitate ocupationala) si calificarea personalului muncitor*. Proiect PHARE/2005/017-553.04.02; Contractor principal: SC RECON SA BRASOV, perioada: 11 luni (ian.2008 – nov.2008), valoare: 43160 Euro, în calitate de membru.
- *Profesionalizarea carierei didactice - noi competente pentru actori ai schimabarilor in educatie din judetele Bacau si Covasna*, POSDRU/87/1.3/S/62339, director - Prof.dr.ing. Anisor NEDELUCU, perioada 01.11.2010 - 31.10.2013, în calitate de membru.

Coordonare programe de formare continua și proiecte educaționale

- 01.03.2009÷2012 – director al programului de studii post-universitar “Managementul integrat calitate-risc”, Departamentul pentru Formare Continuă, Universitatea „Transilvania” din Brașov;

- 01.04.2006÷2012 – director al programului de studii post-universitar „Managementul Calității”, Departamentul pentru Formare Continuă, Universitatea „Transilvania” din Brașov.
- 01.04.2006÷2012 – director al programului de studii post-universitar „Controlul Calității și Fiabilității Produselor și Proceselor Tehnologice”, Departamentul pentru Formare Continuă, Universitatea „Transilvania” din Brașov;
- 01.10.2014÷prezent – director al programului de studii post-universitar „Proiectarea, dezvoltarea și implementarea sistemului de management al calității”, Departamentul pentru Formare Continuă, Universitatea „Transilvania” din Brașov, <http://www.unitbv.ro/cfc/Programepostuniversitare1.aspx>
- 01.10.2014÷prezent – director al programului de studii post-universitar „Implementarea sistemelor de management integrate in conformitate cu ISO 9001, ISO 14001 & OHSAS 18001”, Departamentul pentru Formare Continuă, Universitatea „Transilvania” din Brașov, <http://www.unitbv.ro/cfc/Programepostuniversitare1.aspx>

Premii ASAS, AOSR, academii de ramura și CNCSIS, distincții

- PN-III-P1-1.1-PRECISI-2016-12814, cod 152, Evaluation of Color Variability of Oak Veneers for Sorting. Autori: Musat E.C., Salca E.A., Dinulica F., Ciobanu V.D., Dumitrașcu A.-E., BioResources 11(1), p. 573-584, ISSN: 1930-2126, http://uefiscdi.gov.ro/userfiles/file/PNCIDI%20III/P1_Resurse%20Umane/PRECISI_2016/PROCES%20EVALUARE/Rezultate/PRECISI_2016_Rezultate%20eligibilitate_lista%206_25_11_2016.pdf
- PN-II-RU-PRECISI-2015-9-9925, cod 152, *The Influence of Speed and Press Factor on Oriented Strand Board Performance in Continuous Press*. Autori: Ciobanu D.V., Zeleniuc O., **Dumitrașcu A.-E.**, Lepadatescu B., Iancu B., BioResources 9(4), p. 6805-6816, ISSN: 1930-2126, decembrie 2014. http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20eligibilitate_lista%204_%20ACTUALIZATA_18_12_2015.pdf
- PN-II-RU-PRECISI-2013-7-2422, cod 732, *Valorization of Wood Resources for the Cutting of Decorative Veneer in the Context of Sustainable Development of Romanian Forests*. Autori: **Dumitrașcu A.-E.**, Ciobanu D.V., Lepadatescu B., BioResources 8(3), p. 4298-4311, ISSN: 1930-2126, decembrie 2013. http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202013/PENTRU%20LISTA%20%20REZULTATE%20DECEM.pdf
- CNCSIS 2009, cod 743, *Studies regarding the reliability of the matrices used for train wheels after being reconditioned through weld cladding*. Autori: Binchiciu H., Iovanas D.M., **Dumitrașcu A.-E.**, Dozescu S.I, Metalurgia International, vol. XIV (2009), special issue no. 2*, pag. 147-150, februarie 2009. http://cncsis.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202009/REZULTATE_PREMIERE_TRIMESTRUL%20I_2009b.pdf
- Premiul de excelență acordat de Consiliul Județean Brașov pentru rezultate deosebite în activitatea de cercetare științifică, Comisia pentru Activități Științifice, Învățământ, Cultura și Culte, dec. 2013, http://www.unitbv.ro/Portals/38/newsletter/ICDT_Ianuarie_2014.pdf

Data: 27.03.2017

Semnatura,
Conf.dr.ing. DUMITRAȘCU Adela-Eliza