

LISTA LUCRĂRILOR ȘTIINȚIFICE

LUCRĂRI RELEVANTE

1. Lateș, M. T., Velicu, R. G., Gavrilă, C. C. Temperature, pressure and velocity influence on the tribological properties of PA66 and PA46 polyamides. Materials, Vol.12, Issue 20, . Article Number: 3452, 2019, ISSN 1996-1944. **Factor de Impact: 2.972**
2. Lateș, M. T., Velicu, R. G., Jurj L. Influence of pitch and exploitation on the frictional behaviour of the silent chains. Proceedings of the Institution of Mechanical Engineers. Part D. Journal of Automobile Engineering. Article Number: UNSP 0954407019868602, ISSN 2041-2991, 2019. **WOS: 000481965900001. Factor de Impact: 1.275**
3. Lateș, M. T., Velicu, R., Papuc, R. Testing and FEA as prediction strategies on the ball bearings behaviour. International Journal of Surface Science and Engineering Volume: 8 Issue: 4 Special Issue: SI Pages: 345-355 Published: 2014 ISSN: 1749-785X. **WOS: 000345891000006. Factor de Impact: 0.918**
4. Lateș, M. T., Gavrilă, C. C. Study on the loading capacity of the tripod type couplings with external contacts. The 8th International Conference on advanced concepts in Mechanical Engineering (ACME) Jun 07-08 2018, Iasi. Book Series: IOP Conference Series-Materials Science and Engineering. Volume: 444, Article Number: 022020, 2018. **WOS: 000467443600020.**
5. Lateș, M. T. Study on the friction in the tripod type couplings with external contacts. The 8th International Conference on advanced concepts in Mechanical Engineering (ACME) Jun 07-08 2018, Iasi. Book Series: IOP Conference Series-Materials Science and Engineering. Volume: 444 Article Number: 022021, 2018. **WOS: 000467443600021.**
6. Lateș, M. T., Gavrilă, C. C., Papuc, R. Study on the friction in steel/polyamide ball on disk type contacts. 7th International Conference on Advanced Concepts in Mechanical Engineering Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Published: 2016, Article Number: UNSP 012037, ISSN: 1757-8981. **WOS: 000390720200037.**
7. Lateș, M. T., Velicu, R. G., Papuc, R. Sliding friction study of the oscillating translational motion for steel on PA66 and PA46 type materials. 7th International Conference on Advanced Concepts in Mechanical Engineering Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Published: 2016, Article Number: UNSP 012038, ISSN: 1757-8981. **WOS: 000390720200038.**
8. Lateș, M. T., Velicu, R. G., Papuc, R. Multiscale modeling of chain-guide contact by using tests and FEM. 11th World Congress on Computational Mechanics; 5th European Conference on Computational Mechanics; 6th European Conference on Computational Fluid Dynamics, Vols II – IV Pages: 1062-1069 Published: 2014 ISBN: 978-84-942844-7-2. **WOS: 000353626501031.**
9. Lateș, M. T., Velicu, R. Stresses distributions in bush chains. MODTECH 2012: New Face of TMCR, VolS I and II Book Series: International Conference ModTech Proceedings Pages: 505-508 Published: 2012. ISSN: 2069-6736. **WOS: 000392261800127.**
10. Lateș, M. T., Jula, A. Eco-design approach for the tripode type coupling. Source: Product Engineering: Eco-Design, Technologies and Green Energy Pages: 101-110 Published: 2004 ISBN: 1-4020-2932-2. **WOS: 000229728300007.**

CĂRȚI / CAPITOLE DE CĂRȚI

1. Chișu, E., Moldoveanu, Gh., Velicu, D., Mogan, Gh., Jula, A., Florea, V., Eftimie, E., Velicu, R., Stroe, I., Lateș, M. T. Cuplaje mecanice intermitente și cu contacte mobile. Brașov, Editura Lux Libris, ISBN 973 – 9428 – 19 – 0, 1999.

2. Jula, A., Chișu, E., Moldovean, Gh., Velicu, D., Săvescu, D., Mogan, Gh., Velicu, R., Eftimie, E., Pozna, C., Oprean, D., **Lateș, M. T.** Mecanisme șurub – piuliță. Îndrumar de proiectare. Brașov, Editura Lux Libris, ISBN 973 – 9428 – 10 – 7, 2000.
3. Dudiță, Fl., Diaconescu, D., **Lateș, M. T.**, Neagoe, M. Cuplaje mobile podomorfe. Sf. Gheorghe, Editura Trisedes Press, ISBN 973-8041-04-X, 2001.
4. **Lates, M. T.**, Jula, A. Organe de Mașini și Transmisii Mecanice. Brașov, Editura Universității Transilvania, ISBN 973-635-436-9, 2005.
5. **Lateș, M. T.** Cuplaje tripode cu contacte exterioare. Editura Universității Transilvania din Brasov, ISBN 978-973-635-904-0, 2007.
6. **Lateș, M. T.** Metoda Elementelor Finite. Aplicații. Editura Universității Transilvania din Brasov, ISBN 978-973-635-659-9, 2008.
7. Bârsan, L., Bârsan, A., Boloș, C., **Lateș, M. T.** Ecodesign în contextual dezvoltării durabile. Editura Universității Transilvania din Brasov, ISBN 978-973-598-619-3, 2009.
8. **Lates, M. T.** Sisteme eoliene. Teorie și practică. Editura Universității Transilvania din Brasov, ISBN 978-606-19-0089-3, 2012.

ARTICOLE ÎN REVISTE

1. Butuc, B., **Lateș, M. T.**, Moldovean, G. FEM analysis of the bevel gear housing of an azimuthal tracked PV platform. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. IX (XIX), Nr.3, Editura Universității din Oradea, 2010, ISSN 1583 – 0691. p.1.26-1.33.
2. Diaconescu, D., **Lates, M. T.**, Gall, R. On a dynamic modelling of a mechatronic speed variator. In: Acta Technica Napocensis. Applied Mathematics and Mechanics series, nr.49, vol.II, 2006, Cluj Napoca, Romania, ISSN 1221 – 5872, p. 257 – 262.
3. **Lateș, M. T.**, Diaconescu, D. Experimental researches regarding the kinematics of tripod couplings. În Buletinul „5th International Multidisciplinary Conference”, Baia Mare, 23 – 24 mai, 2003, Seria C, vol.XVII, ISSN 1224 – 3264, p.313-318.
4. **Lateș, M. T.**, Jula, A. Ecodesign approach for the tripod type coupling. In: Product engineering. Eco-Design, Technologies and Green Energy, Dordrecht, Springer Publishers, 2004, ISBN 1-4020-2932-2, p.101-110.
5. **Lates, M. T.** On the dynamic modelling of tripod couplings with external contacts. În: Bulletin of Transilvania University of Brașov, vol.12 (47) – new series, series A, Brașov, 2005, ISSN 1223-9631, p.77-82.
6. **Lateș, M. T.**, Diaconescu, D., Jula, A. Free frequencies analysis of photovoltaic panels tracking systems. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VI (XVI), Editura Universității din Oradea, 2007, ISSN 1583 – 0691. p. 1030-1035.
7. **Lateș, M. T.** Dynamic behavior of a tracking system with two degrees of freedom used for PV panels. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VII (XVII), Editura Universității din Oradea, 2008, ISSN 1583 – 0691. p. 894-901.
8. **Lateș, M. T.**, Lateș, R. S., Diaconescu, D. Dynamic behavior of a tracking system with one degree of freedom, used for the plate, dish and trough type solar collectors. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VII (XVII), Editura Universității din Oradea, 2008, ISSN 1583 – 0691. p. 887-893.
9. **Lateș, M. T.**, Velicu, R., Hansen, P. U. Design process of the PV panels tracking systems. Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VIII (XVIII), Editura Universității din Oradea, 2009, ISSN 1583 – 0691. p. 718-723.
10. **Lateș, M. T.** Bush chains design process. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XI (XXI), Nr.2, Editura Universității din Oradea, 2012, ISSN 1583 – 0691. p. 2.51-2.55.

11. **Lateș, M. T.** Stresses in skate/chain contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XII (XXII), Issue I, 2013. ISSN 1583 – 0691, p. 163-166.
12. **Lateș, M. T.** Design aspects of SPA and SPZ type V-belt transmissions. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XII (XXII), Issue I, 2013, ISSN 1583 – 0691, p. 167-170.
13. **Lateș, M. T., Gavrilă, C. C.** Friction phenomenon in polyamide – steel plate front face type contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIII (XXIII), ISSUE 1, mai 2014. ISSN 1583 – 0691, p. 75-78.
14. **Lateș, M. T., Velicu, R., Papuc, R.** Testing and FEA as prediction strategies on the ball bearings behaviour. International Journal of Surface Science and Engineering, vol.8, no.4, 2014, p.345-355, ISSN 1749-785X. **Factor de Impact: 0.918.**
15. **Lateș, M. T., Gavrilă, C. C.** Temperature influence on the friction coefficient of the PA46 polyamide – steel type contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, 2015, ISSN 1583 – 0691. p. 5-8.
16. **Lateș, M. T., Papuc, R., Gavrilă, C. C.** Tribological modelling of the normal forces distribution on the toothed chain links. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XV (XXV)/1, Editura Universității din Oradea, 2016, ISSN 1583 – 0691. p. 97-102.
17. **Lateș, M. T., Velicu, R. G., Papuc, R.** Sliding friction study of the oscillating translational motion for steel on PA66 and PA46 type materials. In: Materials Science and Engineering, vol. 147, 2016, ISSN 1757 – 899X, p. 1 – 5.
18. **Lateș, M. T., Gavrilă, C. C., Papuc, R.** Study on the friction in steel/polyamide ball on disk type contacts. In: Materials Science and Engineering, vol. 147, 2016, ISSN 1757 – 899X, p. 1 – 5.
19. **Papuc, R., Velicu, R., Lateș, M. T., Jaliu, C.** Geometrico-Static Modeling and Simulation of the Contact between Chain and Guide of a Reference Transmission. Applied Mechanics and Materials – Advanced Concepts in Mechanical Engineering I, vol. 658, 2014, ISSN 1660-9336, p. 111-116.
20. **Papuc, R., Velicu, R., Lateș, M. T.** Guide – chain contact pressure tribological analysis. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, 2015, ISSN 1583 – 0691. p. 169-174.
21. **Velicu, R., Moldoveanu, G., Lateș, M. T., Gavrilă, C. C.** The experience of the Transilvania University o Brasov in the design of PV tracking systems. Tehnologia Inovativa. Revista Constructia de Masini, vol.63, nr.2, 2011, ISSN 0573-7419, p.29-34.
22. **Velicu, R., Lateș, M. T., Papuc, R.** Friction test ball on flat during running-in period on UMT tribometer. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XI (XXI), Nr.1, Editura Universității din Oradea, 2012, ISSN 1583 – 0691. p. 2.142-2.147.
23. **Velicu, R., Lateș, M. T.** Wind load cases in the design of the platform of an azimuthal tracker. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIII (XXIII), ISSUE 1, mai 2014. ISSN 1583 – 0691, p.75-78.
24. **Velicu, R., Lateș, M. T.** On the measurement procedure for testing friction in bearing boxes. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, 2015, ISSN 1583 – 0691. p. 53-59.
25. **Velicu, R., Lateș, M. T.** Time depending friction in bearing mountings. Applied Mechanics and Materials, vol. 823, 2016, ISSN 1662-7482, p. 79-84.
26. **Lateș, M. T., Gavrilă, C.** Study of the Friction Coefficient in Polyamide / Steel Type Contacts in Non-lubricated Conditions. Applied Mechanics and Materials, vol. 823, 2016, p. 485-488, ISSN 1662-7482.

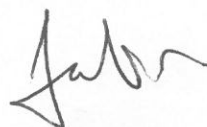
27. Papuc, R., Gavrilă, C., **Lateș, M. T.** Modeling the pressure distribution in the contact between guide and chain. In: Bulletin of the Transilvania University of Brașov, vol. 9 (58). Nr.2, Special Issue, Serries 1 Engineering Sciences, 2016, ISSN 2065 – 2119, pp.197-202.
28. **Lateș, M. T.**, R. Papuc. FEM modelling of the lubrication in guide – chain link contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XV (XXV)/1, Editura Universității din Oradea, 2016, ISSN 1583 – 0691. pp.43-46.
29. **Lateș, M. T.**, Velicu, R., Papuc, R. Sliding friction study of the oscillating translational motion for steel on PA66 and PA46 type materials. In: Materials Science and Engineering, vol. 147, 2016, p. 1 – 5, ISSN 1757 – 899X.
30. **Lateș, M. T.**, Gavrilă, C. C., Papuc, R. Study on the friction in steel/polyamide ball on disk type contacts. In: Materials Science and Engineering, vol. 147, 2016, p. 1 – 5, ISSN 1757 – 899X.
31. **Lateș, M. T.**, Gavrilă, C., Papuc, R. Frictional contact study of the chain link/polyamide contact. Mechanisms and Machine Science, 57, 2018, pp. 497-506.
32. Velicu R., Saulescu R., **Lateș, M. T.** The influence of the bush – bushes pocket geometry on the bush contact angle. Applied Mechanics and Materials, vol. 880, 2018, p. 15-20, ISSN 1662-7482.
33. Papuc, R., **Lateș, M. T.**, Velicu R. The tribological modeling of the tensioning guide - toothed chain contact. Applied Mechanics and Materials, vol. 880, 2018, p. 9-14, ISSN 1662-7482.
34. **Lates, M.T.**, Velicu, R.G., Jurj L. Influence of pitch and exploitation on the frictional behaviour of the silent chains. Proceedings of the Institution of Mechanical Engineers. Part D. Journal of Automobile Engineering. ISSN 2041-2991, 2019. **Factor de Impact: 1.275**
35. **Lateș, M. T.**, Velicu, R. G., Gavrilă, C. C. Temperature, pressure and velocity influence on the tribological properties of PA66 and PA46 polyamides. Materials, Vol.12, Issue 20, . Article Number: 3452, 2019, ISSN 1996-1944. **Factor de Impact: 2.972**

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINȚELOR INTERNAȚIONALE

1. **Lateș, M.**, T., Jula, A. Analiză structural-geometrică a cuplajelor unghiulare cu contacte mobile. În: Buletinul "Conferinței interna ționale Tehnologii Moderne. Calitate. Restructurare", Chișinău, 1999, pp.319-322. ISBN 9975 – 910 – 77 – 7.
2. **Lateș, M. T.**, Mogan, Gh. Study of free Oscilation for the Cylindrical Gearing. În: Lucrările „The International Meeting of the Carpathian Region Specialists in the Field of Gears”, 3rd Edition, Baia Mare, 21 – 22 aprilie, 2000, pp.170-175. ISSN – 1224 – 3264.
3. **Lateș, M. T.**, Diaconescu, D., Jula, A. Concerning to kinematics of tripod coupling with cylinder/cylinder contacts. În: Buletinul "VIII. International Conference on the Theory of Machines and Mechanisms", Liberec, 5 – 7 september, 2000, pp.371-376. ISBN 80 – 7083 – 418 – 8.
4. **Lateș, M. T.**, Jula, A., Diaconescu, D. Asupra modelării dinamice a mecanismului tripod. În: Buletinul "Conferin Ței Știin ifice Interna ționale Tehnologii Moderne. Calitate. Restructurare", Chișinău, 23-25 mai, 2001, pp.355-358. ISBN 9975 – 9638 – 3 – 8.
5. **Lateș, M. T.**, Diaconescu, D., Jula, A. Concerning to simulation of tripod coupling with cylinder/cylinder contacts using ADAMS 10.0 software. În: Buletinul „The eigth IFToMM International Symposium on Theory of Machines and Mechanisms”, București, 28 august – 1 september, 2001, pp.189-192.
6. **Lateș, M. T.**, Dudiță, Fl. Concerning to modeling of tripod coupling with cylinder/cylinder contacts using ADAMS 10.0 software. În: Buletinul „The eigth IFToMM International Symposium on Theory of Machines and Mechanisms”, București, 28 august – 1 september, 2001, pp.183-188.
7. **Lateș, M. T.**, Jula, A., Mogan, G. Stress analysis for a tripod coupling with cylinder-cylinder contacts using finite elements method. În: Buletinul „The seventh Yugoslav Tribology Conference YUTRIB'01 with International Participation”, Beograd, 11 – 12 october, 2001, pp.4.65-4.68.

8. **Lateș, M. T.,** Jula, A. Aspecte dinamice ale cuplajului tripod cu contacte de tip cilindru pe cilindru. In: Ovidius University Annals of Mechanical Engineering, vol.IV, Tom I, conference proceedings of „TEHNONAV 2002”, Constanța, 30 mai – 1 iunie, 2002. pp.529-534. ISSN 1223-7221.
9. **Lateș, M. T.,** Săvescu, D. Stress and deformation analisys in the outer ring of the ball-bearings using finite elements method. In: Proceedings of Research and Development in Mechanical Industry – RaDMI 2002, vol.2, Vrnjačka Banja, Yugoslavia, 1 – 4 september 2002. pp. 655 – 661. ISBN 86 – 83803 – 03 -1.
10. **Lateș, M. T.,** Diaconescu, D. Experimental researches regarding the kinematics of tripod couplings. În Buletinul „5th International Multidisciplinary Conference”, Baia Mare, 23 – 24 mai, 2003, Seria C, vol.XVII, pp.313-318. ISSN 1224 – 3264.
11. **Lateș, M. T.,** Diaconescu, D. On the dynamic modelling of the tripod coupling as a multibody system with deformable elements. In: Proceedings of Research and Development in Mechanical Industry – RaDMI 2003, Herceg Novi, Serbia and Montenegro, 19 – 23 september 2003. pp. 1803 – 1806. ISBN 86 – 83803 – 03 -1.
12. Săvescu, D., **Lateș, M. T.,** Păun, M. Stress analysis in ball-bearing rings using FEM. In: Proceedings of Research and Development in Mechanical Industry – RaDMI 2003, Herceg Novi, Serbia and Montenegro, 19 – 23 september 2003, ISBN 86 – 83803 – 03 – 1, pp. 1436 – 14439.
13. Jula, A., **Lateș, M. T.** Experimental researches regarding the dynamics of tripod couplings. In: Proceedings of Research and Development in Mechanical Industry – RaDMI 2003, Herceg Novi, Serbia and Montenegro, 19 – 23 september 2003, ISBN 86 – 83803 – 03 -1, pp. 1782 – 1785.
14. **Lateș, M. T.,** Lateș, R. Concerning to the dynamic behavior of the actuating ship's mechanism, vol.VI, Tom I, conference proceedings of TEHNONAV 2004,Constanta, 27 – 29 may, 2004, pp. 272-275, ISSN 1223-7221.
15. Jula, A., **Lateș, M. T.,** Lates, R. Experimental researches on the tripod couplings efficiency, vol.VI, Tom I, conference proceedings of TEHNONAV 2004,Constanta, 27 – 29 may, 2004, ISSN 1223-7221, pp.268-271.
16. **Lateș, M. T.,** Jula, A.: Ecodesign approach for the tripode type coupling. In: Conference of Product engineering. Eco-Design, Technologies and Green Energy. Brasov, 14 – 21 July, 2004, pp. 101-110, ISBN 1-4020-2932-2.
17. **Lateș, M. T.** The contact calculus for the tripod couplings with external contacts (II), Research and Development in Mechanical Industry – RaDMI 2004, Zlatibor, Serbia and Montenegro, pp. 363 – 367, ISBN 86 – 83803 – 03 -1.
18. Jula, A., Chisu, E., **Lates, M. T.** The contact calculus for the tripod couplings with external contacts (I), Research and Development in Mechanical Industry – RaDMI 2004, Zlatibor, Serbia and Montenegro, ISBN 86 – 83803 – 03 -1, pp. 359 – 362.
19. **Lateș, M. T.,** Jula, A., . Lateș, R. Identification of stiffness matrix for line type finite elements with varying cross-sectional area, Proceedings of International Multidisciplinary Conference, 6-th Edition, 27 – 28 may, 2005, Baia Mare, România, vol. I, pp. 401 – 406, ISBN 973 – 87237 – 1 – X.
20. **Lateș, M. T.** Aspects regarding the small power type windmills implementation in Romania, Proceedings of International Conference on Sustainable Energy, 7 – 9 july, 2005, Brașov, România, ISBN 973 – 635 539 – X.
21. Diaconescu, D., Munteanu, O., **Lates, M. T.** Speed mechatronic variator. Part II. Dynamic aspects. Proceedings of Computational Mechanics and Virtual Engineering 1st International Conference, 20 – 22 october, 2005, Brașov, România, ISBN 973 – 635 – 539 – 4, pp. 189 – 194.
22. **Lateș, M. T.,** Jula, A. Aspects regarding the offshore implementation of wind turbines in Romania, vol.VII, Tom I, International conference proceedings of TEHNONAV 2006, Constanța, 2006, pp.105-110, ISBN 973 – 614 – 307 - 4.

23. Lateș, M. T. Stresses identification in offshore wind turbines structures, vol.VII, Tom I, International conference proceedings of TEHNONAV 2006, Constanta, 2006, pp.111-116, ISBN 973 – 614 – 307 – 4.
24. Lateș, M. T. Chairs stiffness identification by using finite elements method, Tom I, conference proceedings of International Conference on Mechanical Engineering, Sofia, Bulgaria, 4 – 6 november 2005, pp.200-205, ISBN 978 - 954 – 323 – 180 - 5.
25. Lateș, M. T. Stresses identification with FEM in portable vertical wind turbines structures. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VI (XVI), Editura Universității din Oradea, Conferința IMT Oradea 2007, 30 May – 1st June, 2007, ISSN 1583 – 0691. pp.1024-1029.
26. Lateș, M. T., DIACONESCU, D., JULA, A. Free frequencies analysis of photovoltaic panels tracking systems. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VI (XVI), Editura Universității din Oradea, Conferința IMT Oradea 2007, 30 May – 1st June, 2007, ISSN 1583 – 0691. pp.1030-1035.
27. Lateș, M. T., Lateș, R. Power curve experimental determination of an AirX type wind turbine. Proceedings of the 2008 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2008) THETA 16, Cluj Napoca, Romania, 22 – 25 May 2008, pp.247-250. ISBN 978 – 973 – 713 – 248 – 2.
28. Lateș, M. T., Lateș, R. Analysis with the Finite Elements Method of solar collectors tracking systems. Proceedings of The 4th IASME International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'08), University of Algarve, Faro, Portugal, 11 – 13 June 2008. pp.42-46. ISSN 1790 - 5095.
29. Moldovean, G., Lateș, M. T., Velicu, R. Equatorial Solar Tracking System with Linear Actuators – Analysis and Simulation. Proceedings of the 24th European Photovoltaic Solar Energy Conference, Hamburg, 21-25 September 2009.
30. Velicu, R., Lateș, M. T., Moldovean, G. Analysis and Simulation of Azimuthal Solar Tracking System with Linear Actuators. Proceedings of the 24th European Photovoltaic Solar Energy Conference, Hamburg, 21-25 September 2009.
31. Lateș, M. T., Lateș, R., Hansen, P. U. Hybrid Systems implementation for domestic users. Proceedings of The 2nd International Conference on Sustainable Energy, 3 – 5 july, 2008, Brașov, România, pp.457-462, ISBN 973 – 973 – 598 – 316 – 1.
32. Lateș, M. T. Dynamic behavior of a tracking system with two degrees of freedom used for PV panels. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VII (XVII), Editura Universității din Oradea, Conferința IMT Oradea 2008, 28 – 30 May, 2008, ISSN 1583 – 0691. pp.894-901.
33. Lateș, M. T., Lateș, R., Diaconescu, D. Dynamic behavior of a tracking system with one degree of freedom, used for the plate, dish and trough type solar collectors. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VII (XVII), Editura Universității din Oradea, Conferința IMT Oradea 2008, 28 – 30 May, 2008, ISSN 1583 – 0691. pp.887-893.
34. Lateș, M. T. Study of the Free Frequencies Variation with the Dayli Angle Orientation for the PV Panels Tracking Systems. Proceedings of The 2nd International Conference on Environmental and Geological Science and Engineering (EG'09), Transilvania University of Brasov, Romania, 24 – 26 September 2009. pp.68-71. ISSN 1790 - 2769.
35. Lateș, M. T. Power curve determination for a small scaled wind turbine. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VIII (XVIII), Editura Universității din Oradea, Conferința IMT Oradea 2009, 27 – 29 May, 2009, ISSN 1583 – 0691. pp.324-329.



36. Lateș, M. T., Velicu, R., Hansen, P. U. Design process of the PV panels tracking systems. Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. VIII (XVIII), Editura Universității din Oradea, Conferința IMT Oradea 2009, 27 – 29 May, 2009, ISSN 1583 – 0691. pp.718-723.
37. Velicu, R., Lateș, M. T., Moldovean, G. Loading Cases and Forces on Azimuthal Solar Tracking Systems with Linear Actuators. Proceedings of SYROM 2009, Brașov, Romania, pp. 723-733.
38. Lateș, M. T., Alexandru, C. Autonomous hybrid renewable energy system. Proceedings of The 3rd International Conference on Maritime and Naval Science and Engineering (MN'10), Constanta Maritime University, Romania, 3 – 5 September 2010. pp.154-159. ISSN 1792 - 4707.
39. Lateș, M. T. Power curve determination for a Savonius wind turbine. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. IX (XIX), Nr.2, Editura Universității din Oradea, Conferința IMT Oradea 2010, 28 – 30 May, 2010, ISSN 1583 – 0691. pp.3.112-3.119.
40. Lateș, M. T., Lateș, R., Hansen, P. U. Design aspects of the wind turbines. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. IX (XIX), Nr.3, Editura Universității din Oradea, Conferința IMT Oradea 2010, 28 – 30 May, 2010, ISSN 1583 – 0691. pp.3.78-3.83.
41. Lateș, M. T., Hansen, P. U. Prediction strategy for the wind turbine behavior by considering the influence of the blades number. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. X (XX), Nr.2, Editura Universității din Oradea, Conferința IMT Oradea 2011, 1 – 3 June, 2011, ISSN 1583 – 0691. pp.3.44-3.51.
42. Lateș, M. T., Lateș, R., Jula, A., State, M. Finite element analysis of the Whisper H80 wind turbine's tower. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. X (XX), Nr.2, Editura Universității din Oradea, Conferința IMT Oradea 2011, 1 – 3 June, 2011, ISSN 1583 – 0691. pp.4.34-4.39.
43. Lateș, M. T., Velicu, R. Stresses distributions in bush chains. Proceedings of Modern Technologies, Quality and Innovation *ModTech* International Conference, 24-26 May 2012, Sinaia, pp.505-508, ISSN 2069-6736.
44. Lateș, M. T. Finite element modeling of the bush chains bolt-bush contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XI (XXI), Nr.1, Editura Universității din Oradea, Conferința IMT Oradea 2012, 30 May – 1 June, 2012, ISSN 1583 – 0691. pp.2.72-2.76.
45. Lateș, M. T. Bush chains design process. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XI (XXI), Nr.2, Editura Universității din Oradea, Conferința IMT Oradea 2012, 30 May – 1 June, 2012, ISSN 1583 – 0691. pp.2.51-2.55.
46. Lateș, M. T., Velicu, R. Friction analysis in ball bearings. VII Iberian Conference on Tribology, FEUP, Porto, Portugal, 20-21 June, 2013, pp.1-6.
47. Velicu, R., Lateș, M. T., Papuc, R. Theoretical and experimental study of friction in bearing mountings, VII Iberian Conference on Tribology, FEUP, Porto, Portugal, 20-21 June, 2013, pp.1-6.
48. Lateș, M. T. Stresses in skate/chain contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XII (XXII), ISSUE I, Conferința IMT Oradea 2013, 29 – 31 May 2013. ISSN 1583 – 0691, pp.163-166.
49. Lateș, M. T. Design aspects of SPA and SPZ type V-belt transmissions. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XII (XXII), ISSUE I, Conferința IMT Oradea 2013, 29 – 31 May 2013. ISSN 1583 – 0691, pp.167-170.

50. Lateș, M. T., Velicu, R., Papuc, R. Multiscale modelling of chain-guide contact by using tests and FEM. 11th World Congress on Computational Mechanics WCCM XI, Barcelona, Spain, 20-25 July, 2014, pp.1062-1069, ISBN 978-84-942844-7-2.
51. Lateș, M. T., Velicu, R. CFD analysis and theoretical modelling of multiblade small Savonius wind turbines. Proceedings of The 4th International Conference on Sustainable Energy, 6 – 8 November, 2014, Brașov, România, pp. 403 – 415, ISSN 2352-2534.
52. Velicu, R., Lateș, M. T. Torques on Rotational Axes of PV Azimuthal Sun Tracking Systems. Proceedings of The 4th International Conference on Sustainable Energy, 6 – 8 November, 2014, Brașov, România, ISSN 2352-2534, p. 461 – 470.
53. Lateș, M. T., Gavrilă, C. C. Friction phenomenon in polyamide – steel plate front face type contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIII (XXIII), ISSUE 1, Conferința IMT Oradea 2014, 1 – 3 June 2014. ISSN 1583 – 0691, pp.75-78.
54. Papuc, R., Velicu, R., Lateș, M. T. Study of the contacts between toothed chains and guides. The 11th IFToMM International Symposium on Science of Mechanisms and Machines, Springer International Publishing House, vol.8, 2014, ISSN 2211-0984, p. 425-432.
55. Lateș, M. T., Velicu, R. CFD Analysis of a VAWT vertical axis wind turbine. *Conference of the International Journal of Arts and Sciences*, Academic journal of science, vol.4, nr.3, Freiburg, 01.12 – 04.12.2015, pp. 85-91, ISSN 2165-6282.
56. Lateș, M. T., Gavrilă, C. C. Temperature influence on the friction coefficient of the PA46 polyamide - steel type contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, Conferința IMT Oradea 2015, 29 – 31 May, 2015, ISSN 1583 – 0691. pp.5-8.
57. Papuc, R., Velicu, R., Lateș, M. T. Guide – chain contact pressure tribological analysis. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, Conferința IMT Oradea 2015, ISSN 1583 – 0691. pp.169-174.
58. Velicu, R., Lateș, M. T. On the measurement procedure for testing friction in bearing boxes. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XIV (XXIV), Nr.1, Editura Universității din Oradea, Conferința IMT Oradea 2015, 29 – 31 May, 2015, ISSN 1583 – 0691. pp.53-59.
59. Lateș, M. T., Papuc, R. FEM modelling of the lubrication in guide – chain link contacts. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XV (XXV)/1, Editura Universității din Oradea, Conferința IMT Oradea 2016, 2 – 4 June, 2016, ISSN 1583 – 0691. pp.43-46.
60. Lateș, M. T., Papuc, R., Gavrilă, C. C. Tribological modelling of the normal forces distribution on the toothed chain links. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XV (XXV)/1, Editura Universității din Oradea, Conferința IMT Oradea 2016, 2 – 4 June, 2016, ISSN 1583 – 0691. pp.97-102.
61. Papuc, R., Lateș, M. T. The contact pressure distribution on the toothed chain links. In: Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XV (XXV)/1, Editura Universității din Oradea, 2016, ISSN 1583 – 0691. pp.1-4.
62. Papuc, R., Gavrilă, C., Lateș, M. T. Modeling the pressure distribution in the contact between guide and chain. In: Bulletin of the Transilvania University of Brașov, vol. 9 (58). Nr.2, Special Issue, Series 1 Engineering Sciences, 2016, ISSN 2065 – 2119, pp.197-202.
63. Saulescu, R., Velicu, R., Lateș, M. T. Geometric modeling of the contact point between the bushing and sprocket in chain drives. 13TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'16) **Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012049 SEP 22-24, 2017.**

64. Lateș M. T. Study on the friction in the tripod type couplings with external contacts. The 8th International Conference on advanced concepts in Mechanical Engineering (ACME) Jun 07-08 2018, Iasi. Book Series: IOP Conference Series-Materials Science and Engineering. Volume: 444 Article Number: 022021, 2018.
65. Lateș, M.T., Gavrilă, C. C. Study on the loading capacity of the tripod type couplings with external contacts. The 8th International Conference on advanced concepts in Mechanical Engineering (ACME) Jun 07-08 2018, Iasi. Book Series: IOP Conference Series-Materials Science and Engineering. Volume: 444 Article Number: 022020, 2018.

11.03.2020

Conf.dr.ing. Lateș Mihai -Tiberiu

fat M.