

LISTA
lucrărilor științifice

A. Lista lucrărilor reprezentative

1. **T. Babanatsas**, R. M. Babanatis Merce, D. O. Glavan and A. Komjaty: "Experimental study of decreasing the damage to the olive tree during mechanized harvesting", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019. Indexat ISI:WOS:000464577100026
2. **T. Babanatsas**, D O Glăvan, R M Babanatis Merce and A Glavan, *Study of Forces Influencing the Shaking Parameters in Mechanized / Robot-assisted Harvesting of Olives*, 9th International Conference on Manufacturing Science and Education – MSE, Vol. 290, 2019
3. D. O. Glavan, **T. Babanatsas**, C. Ciupan, R. M. Babanatis-Merce, I. Radu and M. C. Gaspar: "Processing precision on turning machine with inclined bed frame", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 61, Issue 4, 2018. Indexat ISI: WOS:000453442200005
4. D O Glavan, **T. Babanatsas**, M Borzan, I Radu and R M Babanatis Merce, *Considerations about command system for lathes with numerical controls, adaptive controls and copying system with hydraulic modules or computer assisted*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Vol. 393, 2018
5. **T. Babanatsas**, R M Babanatis Merce, D O Glăvan and A Glăvan, *Contributions to optimization of storage and transporting industrial goods*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Hunedoara– ICAS, Vol. 294, 2017
6. Indrumător de Laborator Bazele generării suprafețelor pe mașini-unelte Editura Universitatii „Aurel Vlaicu” Arad 2015, **Babanatsas Theoharis** , Glăvan Dan Ovidiu ISBN: 978-973-752-731-8 80 pag
7. Indrumător de Laborator CAM - Frezare 2014 Editura Universitatii „Aurel Vlaicu” Arad 2013, Glăvan Dan Ovidiu, **Babanatsas Theoharis** ISBN 978-973-752-714-1 188 pag
- Indrumător de Laborator CAM - Strunjire Editura Universitatii „Aurel Vlaicu” Arad 2013, Glăvan Dan Ovidiu, **Babanatsas Theoharis** ISBN 978-973-752-711-0 114 pag

B. Teza de doctorat

„ Integrarea elementelor de robotică în realizarea unui sistem pentru recoltarea măslinelor”

Domeniul Inginerie industrial



C. Cărți si capitole în cărți

1. Ghidul materialelor în design Editura Universitatii „Aurel Vlaicu” Arad, 2016 ISBN 978-973-752- 772-1 Glăvan Dan Ovidiu, **Babanatsas Theoharis**, Merce Roxana Mihaela, Glăvan Rodica Adriana 259 pag
2. Welcome in the world of 0 and 1 in cutting processing machines The book of CAD/CAM engineer Editura Universitatii „Aurel Vlaicu” Arad, 2016, ISBN 978-973-752-771-4, Dan Ovidiu Glavan, **Babanatsas Theoharis** 148 pag
3. Proiectarea asistată de calculator-curs Editura Universitatii „Aurel Vlaicu” Arad, Glăvan Dan Ovidiu, **Babanatsas Theoharis**, 2014, ISBN 978-973-712-7 153 pag
4. Compunerea și construcția mașinilor-unelte, curs, 2002 Editura Universitatii „Aurel Vlaicu” Arad, Glăvan Dan Ovidiu, **Babanatsas Theoharis**, ISBN 973-99086-8-3 255 pag
5. Indrumător de Laborator CAM- Strunjire Editura Universitatii „Aurel Vlaicu” Arad 2013, Glăvan Dan Ovidiu, **Babanatsas Theoharis** ISBN 978-973-752-711-0 114 pag
12. Indrumător de Laborator CAM- Frezare 2014 Editura Universitatii „Aurel Vlaicu” Arad 2013, Glăvan Dan Ovidiu, **Babanatsas Theoharis** ISBN 978-973-752-714-1 188 pag
13. Indrumător de Laborator Bazele generării suprafețelor pe mașini-unelte Editura Universitatii „Aurel Vlaicu” Arad 2015, **Babanatsas Theoharis** , Glăvan Dan Ovidiu ISBN: 978-973-752-731-8 80 pag

D. Lucrări publicate în reviste (indexate ISI)

1. T. **Babanatsas**, R. M. Babanatis Merce, D. O. Glavan and A. Komjaty: "Experimental study of decreasing the damage to the olive tree during mechanized harvesting", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019. Indexat ISI: WOS:000464577100026
2. R. M. Babanatis Merce, T. **Babanatsas** and D. O. Glavan: "Value analysis of harvesting systems for olives", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019. Indexat ISI: WOS:000464577100025
3. D. O. Glavan, T. **Babanatsas**, A. Glavan, R. M. Babanatis-Merce, I. Radu and M. C. Gaspar: "Study of the manufacturing precision on turning machine with inclined bed frame in real time of processing", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019. Indexat ISI: WOS:000464577100011
4. D. O. Glavan, N. Ursu-Fischer, T. **Babanatsas**, I. Radu and R. M. Babanatis-Merce: "Tool machinery frames comparison: welded or molded structures", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and



Engineering, 61, Issue 4, 2018. Indexat ISI: WOS:000453442200004
5. D. O. Glavan, **T. Babanatsas**, C. Ciupan, R. M. Babanatis-Merce, I. Radu and M. C. Gaspar: "Processing precision on turning machine with inclined bed frame,, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 61, Issue 4, 2018. Indexat ISI: WOS:000453442200005

E. Lucrări publicate în Proceedings (indexate ISI)

1. R M Babanatis Merce, **T Babanatsas** and D O Glăvan, *Experimental study on the automatic selection of olives*, 9th International Conference on Manufacturing Science and Education – MSE, Vol. 290, 2019
2. **T Babanatsas**, D O Glăvan, R M Babanatis Merce and A Glavan, *Study of Forces Influencing the Shaking Parameters in Mechanized / Robot-assisted Harvesting of Olives*, 9th International Conference on Manufacturing Science and Education – MSE, Vol. 290, 2019
3. M Szabo, R M Babanatis-Merce, I Barbu, **T Babanatsas** and L Jitaru, *The study of the traction behaviour of knitted structures with controlled dimensional stability*, IOP Conf. Series: Materials Science and Engineering Vol. 591, 2019
4. M Szabo, R M Babanatis-Merce, I Barbu, **T Babanatsas** and L Jitaru, *The study of the traction behaviour of knitted structures with controlled dimensional stability*, IOP Conf. Series: Materials Science and Engineering Vol. 591, 2019
5. R M Babanatis Merce, **T Babanatsas**, S Maris, D Tucu and O C Ghergan, *Study of an automatic olives sorting system*, Proceedings 46th International Symposium: Actual tasks on agricultural engineering, Opatija, Croatia, pp.485-490, 2018
6. **T Babanatsas**, D O Glavan, R M Babanatis Merce, M Borzan, I Radu and S A Maris, *Harvesting olive tree using accurate vibrations generated by a robotic system*, IOP Conference Series: Materials Science and Engineering-International Conference on Applied Science, Vol. 393, 2018
7. D O Glavan, **T Babanatsas**, M Borzan, I Radu and R M Babanatis Merce, *Considerations about command system for lathes with numerical controls, adaptive controls and copying system with hydraulic modules or computer assisted*, IOP Conference Series: Materials Science and Engineering-International Conference on Applied Science, Vol. 393, 2018

8. **T Babanatsas**, R M Babanatis Merce, D O Glăvan and A Glăvan, *Contributions to optimization of storage and transporting industrial goods*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Hunedoara– ICAS, Vol. 294, 2017
9. **T Babanatsas**, D O Glăvan, R M Babanatis Merce and S A Maris, *Modelling in 3D the olive trees cultures in order to establish the forces (interval) needed for automatic harvesting*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Hunedoara– ICAS, Vol. 294, 2017
10. D O Glăvan, **T Babanatsas**, R M Babanatis Merce and A Glăvan, *Comparative study of tool machinery sliding systems; comparison between plane and cylindrical basic shapes*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Hunedoara– ICAS, Vol. 294, 2017
11. D O Glăvan, **T Babanatsas** and R M Babanatis Merce, *Comparative study of tool machinery sliding systems; comparison between plane and cylindrical basic shapes*, IOP Conference Series: Materials Science and Engineering- International Conference on Applied Science, Hunedoara– ICAS, Vol. 294, 2017
12. D O Glăvan, **T Babanatsas** and R M Babanatis Merce, *Comparative research bedframe behavior on a lathe normal variations caused molded or welded to the requests of forced vibrations*, Annals of the University of Petroșani, Mechanical Engineering, vol 17, 2015, pag 47- 52, ISSN 1454- 9166, indexată B+
13. **T Babanatsas**, D O Glăvan, and R M Babanatis Merce, *The compared dynamic study of a normal parallel lathe frame made in the welded version and casted version*, Annals of the University of Petroșani, Mechanical Engineering, vol 17, 2015, pag 21-26, ISSN 1454-9166,indexată B+
14. D O Glăvan, **T Babanatsas** and R M Babanatis Merce, *Study of harvesting methods and necessity of olive harvesting robot*, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XIV, 2016, ISSN 1584-2673, indexată B+
15. **T Babanatsas**, D O Glăvan and R M Babanatis Merce, *Concept of an automating olive harvesting system*, ACTA TECHNICA CORVINIENSIS – Bulletin of Engineering, Tome IX, 2016, ISSN: 2067– 380, indexată B+
16. D O Glăvan, **T Babanatsas** and R M Babanatis Merce, *The case for the wireless ad hoc system for positioning and its use in sports*, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XV, 2017, ISSN 1584-2673, indexată B+

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Semnatura

