

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,  
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

**Ing. Roxana - Mihaela BABANATIS MERCE**

**1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)**

1. 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 IV, 2018 (WOS:000453442200004)
2. 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 IV, 2018 (WOS:000453442200005)
3. T. Babanatsas, **R. M. Babanatis Merce** and D. O. Glavan: "Value analysis of harvesting systems for olives", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019 (WOS:000464577100025)
4. D. Glăvan, T. Babanatsas, A. Glavan, **R. M. Babanatis-Merce**, I. Radu, M. 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 (WOS:000464577100011)
5. T. Babanatsas, **R. M. Babanatis Merce**, D. O. Glavan and A. Komjaty "Experimental study on decreasing the damage to the olive tree during mechanized harvesting", Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 62, Issue I, 2019 (WOS:000464577100026)

**2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings**

1. D. O. Glavan, T. Babanatsas, **R. M. Babanatis Merce**: " 3D modeling of olive tree and simulating the harvesting forces", MSE 2017 "Trends in New Industrial Revolution, 121, 2017 (WOS:000435283800116)
2. **R. M. Babanatis Merce**, T. Babanatsas, S. Maris, D. Tucu and O. C. Ghergan: "Study of an automatic olives sorting system", 46th Symposium on Actual Tasks on Agricultural Engineering, Zagreb, 46, pp 485-490, 2018 (WOS:000506355900049)
3. O. C. Ghergan, D. Tucu, A. Iusco, D. Draghicescu, **R. M. Babanatis Merce**: " Small greenhouse robotized solutions: state of the art and future perspectives", 47th Symposium on Actual Tasks on Agricultural Engineering, Zagreb, 47, pp 267-276, 2019 (WOS:000472729500027)
4. M. Szabo, **R. M. Babanatis Merce**, I. Barbu, T. Babanatsas, L. Jitaru: " The study of the traction behaviour of knitted structures with controlled dimensional stability", 7th International Conference on Modern Technologies in Industrial Engineering (ModTech), IOP Conference Series-Materials Science and Engineering, 2019 (WOS:000562929900098)
5. M. Szabo, **R. M. Babanatis Merce**, I. Barbu, T. Babanatsas, L. Jitaru: " Study of dimensional changes during washing process for 1:1 interlock cotton yarns", 7th International Conference on Modern Technologies in Industrial Engineering (ModTech), IOP Conference Series-Materials Science and Engineering, 2019 (WOS:000562929900099)
6. T. Babanatsas, D. O. Glavan, **R. M. Babanatis Merce** and A. Glavan:" Study of Forces Influencing the Shaking Parameters in Mechanized / Robot-assisted Harvesting of Olives", MSE 2019, Trends in New Industrial Revolution, 290, 2019 (WOS:000569367700034)
7. **R. M. Babanatis Merce**, T. Babanatsas and D. O. Glavan:" Experimental study on the automatic selection of olives", MSE 2019, Trends in New Industrial Revolution, 290, 2019 (WOS:000569367700053)

**3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)**

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- 2.

**4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)**

1. 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 (EBSCO, SCIRIUS)
2. 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 (EBSCO, SCIRIUS)
3. 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 (SCOPUS)
4. 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 (SCOPUS)
5. 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 (SCOPUS)
6. 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 (SCOPUS)
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 (SCOPUS)

**5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate**

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**6. Lucrări științifice publicate în volumele unor manifestări științifice**

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Data:

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