

Universitatea Națională de Știință și Tehnologie POLITEHNICA București
Facultatea: Inginerie Chimică și Biotehnologii
Departamentul: Sisteme Biotehnice
Nume Prenume: Duțu Mihaela Florentina
Gradul didactic: Șef de lucrari

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Duțu (David) Mihaela Florentina, *Contribuții la studiul dinamicii agregatelor agricole mobile*, 211 pg., Universitatea Politehnica din București, 198 pg., susținută în 19.07.2007.

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Voicu Gh., **Duțu (David) Mihaela Florentina**, Duțu I.C., David L., *Sisteme de transport în agricultură și industria alimentară*, Editura PRINTECH, 152 pg., ISBN 978-606-23-0258-0, 2014 **Cod CNCISIS 54**;
2. Voicu Gh., **Duțu (David) Mihaela Florentina**, *Instalații și tehnologii în industria de prelucrare a laptelui*, Editura MatrixRom, București, 127 pg., ISBN 978-973-755-311-9, 2008 **Cod CNCISIS 39**.
3. Voicu Gh., **Duțu (David) Mihaela Florentina**, Duțu I.C., David L., *Sisteme de transport în agricultură și industria alimentară – Îndrumar de laborator*, Editura PRINTECH, 101 pg., ISBN 978-606-23-0259-7, 2014 **Cod CNCISIS 54**;
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11. David Al., Voicu Gh., Marin E., **Duțu (David) Mihaela Florentina**, Gheorghe G., *Experimental researches on working qualitative indexes of a deep loosening equipment*, INMATEH – Agricultural engineering, vol.46, no.2/2015, e: ISSN 2068-2239, p: ISSN 2068-4215, pp.5-12,

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12. Duțu I.C., **Duțu (David) Mihaela Florentina**, Biriș S.Șt., David L., *Functional characteristics of active suspension systems for agricultural tractors*, Analele Universității din Craiova, Seria Agricultură-Montanologie-Cadastru, vol.XLV/2/2015, ISSN 1841-8317, ISSN CD-ROM 2066-950X, pp.54-57, 2015; Revistă indexată [Index Copernicus International](#)
 13. Mircea I.D., David L., Vlăduț V., Ciupercă R., Vlăduț D.I., **Duțu (David) Mihaela Florentina**, Duțu I., Dumitru I., Boruz S., *Considerations regarding the conditions of using tractor-trailer coupling devices*, Analele Universității din Craiova, Seria Agricultură-Montanologie-Cadastru, vol.XLV/2/2015, ISSN 1841-8317, ISSN CD-ROM 2066-950X, pp.128-136, 2015; Revistă indexată [Index Copernicus International](#)
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 15. Pruteanu A., Matache M., David L., Persu C., **Duțu (David) Mihaela Florentina**, Vlăduț V., *Characterization of medicinal plants sorting process by planar sieving through mechanical oscillations analysis*, Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol.801, ISSN: 1660-9336, pp.213-218, 2015; <http://www.ttp.net/1660-9336.html>, **Journal impact 2015: 0.16**, Revistă indexată Index Copernicus Journals Master List, Google Scholar, Cambridge Scientific Abstracts (CSA), Inspec (IET, Institution of Engineering Technology), SCImago Journal & Country Rank (SJR), [EBSCO](#).
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 17. Popa C., Dinu I., Voiculescu L., **Duțu (David) Mihaela Florentina**, Dragomir M., Ovanisof A., *Calculating angles of rotation of the robots elements for given position and orientation depending of the gripping device*, Applied Mechanics and Materials, Trans Tech Publications, Switzerland, Vol.762, ISSN: 1660-9336, pp.271-276, 2015; <http://www.ttp.net/1660-9336.html>, **Journal impact 2015: 0.16**, DOI: 10.4028/www.scientific.net/AMM.762.271, Revistă indexată Index Copernicus Journals Master List, Google Scholar, Cambridge Scientific Abstracts (CSA), Inspec (IET, Institution of Engineering Technology), SCImago Journal & Country Rank (SJR), [EBSCO](#).
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 19. Vlăduț Oana, Mihai P., Duțu I.C., Duțu M.F., Mihai M.V., *Approach of the issue of the quality in services*, 2021, pp.437-443, 37th IBIMA
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23. Mihai P., Vlăduț Oana, Anghel A.M., Duțu M.F., Duțu I.C., Mihai M.V., Analysis of a pharmaceutical company in the current economic life, 2022, pp.40-45, 39th IBIMA.
24. Biris S.St., Constantin A-M., Anghelache D., Gageanu I., Cujbescu D., Nenciu F., Voicea I., Matei Gh., Popa D., Dutu M.F., Ungureanu N., Zelazinski T., Perisoara L., Fodorean G., Considerations regarding the vibrations transmitted to the operator by an axial flow harvester combine/ Consideratii privind vibratiile transmise operatorului de o combina cu flux axial, INMATEH - Agricultural Engineering, vol.68, No.3 / 2022, pg.747-756, WOS 000950619900003
25. Mihai Diaconu, Mircea Degeratu, Mihaela Florenta Dutu, Tiberiu Axinte, Edmond Maican, Elena Curca, "A New Approach to Underwater Gliders Modelling", International Journal of Advanced Multidisciplinary Research and Studies, Volume 4, Issue 5, 2024, pag. 235-238, DOI: <https://doi.org/10.62225/2583049X.2024.4.5.3222>

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

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1. Popa C., **Duțu (David) Mihaela Florentina**, Duțu I., *The influence of angle of tilt of the separators and the air course velocity about qualitative coefficient and the exploitation at the cleaning and sorting of the corn pulses*, Revista Hidraulica, No.1, ISSN 1453-7303, pp.90-96, 2013; <http://www.fluidas.ro/hidraulica/>
BDI: Ebsco, ProQuest, Ulrichs, GIF, Scipio
2. Biris S.St., Constantin A-M., Anghelache D., Gageanu I., Cujbescu D., Nenciu F., Voicea I., Matei Gh., Popa D., Dutu M.F., Ungureanu N., Zelazinski T., Perisoara L., Fodorean G., Considerations regarding the vibrations transmitted to the operator by an axial flow harvester combine/ Consideratii privind vibratiile transmise operatorului de o combina cu flux axial, INMATEH - Agricultural Engineering, vol.68, No.3 / 2022, pg.747-756, WOS 000950619900003
3. Biris S.St., Gheorghita N.E., Vladut N.V., Matache M.G., Maican E., Dutu M.F., Chiru R.M., Relationship between the influence factors of the soil tillage process, Journal of International Scientific Publications, Agriculture&Food, vol.10, 2022, ISSN 1314-8591, www.scientific-publications.net, pg.409-417

- Selecție cu maximum 20 lucrări în volume de conferințe

1. I.C. Duțu, T.Axinte, M.Fl. Duțu, C. Nutu, L. Calancea, M. Diaconu, Study of double acting cylinder with two in and out piston rods, Technium Vol. 4, Issue 2 pp.36-43 (2022), ISSN: 2668-778X
2. I.C. Duțu, T. Axinte, O. Vlăduț, R. Damian, M.Fl. Duțu, Simulation of an electro-hydraulic circuit for ALARS, Technium Vol. 4, Issue 6 pp.1-10 (2022), ISSN: 2668-778X
3. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, *Increasing motivation of the human resources in an educational organization*, The 34th International Business Information Management Association (IBIMA) Conference on "Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage", Madrid, Spain, 13-14th November 2019, ISBN 978-0-9998551-3-3, pp.3094-3099, Editor(s): Khalid S. Soliman; Volum indexat [Clarivate Analytics](https://clarivate.com/clarivate-analytics/), Citation Databases: Conference Proceedings Citation

- Index- Social Science & Humanities , WOS: [000444067200073](#). Indexat [SCOPUS](#), Engineering Village, ARC
4. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, *Business plan for an educational organization*, The 11th International Conference on Economics and Administration “ICEA - FAA 2019”, Faculty of Business and Administration, University of Bucharest, 8-9th November 2019, FiLodiritto International Proceedings, Filodiritto Publisher, Bologna, Italy, ISBN: [978-88-85813-36-6](#), pp.74-80, Editor: Camelia Cojocaru, [January 2019](#); Indexat [RePEc](#), [Conference Proceedings Citation Index / Web of Science](#), Volum indexat [Clarivate Analytics](#), Citation Databases: Conference Proceedings Citation Index- Social Science & Humanities, [WOS:000439623700018](#).
 5. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, *Android Platform versus operating system iOS*, The 10th International Conference on Economics and Administration “ICEA - FAA 2018”, Faculty of Business and Administration, University of Bucharest, 8-9th June 2018, FiLodiritto International Proceedings, Filodiritto Publisher, Bologna, Italy, ISBN: [978-88-85813-36-6](#), pp.74-80, Editor: Camelia Cojocaru, [January 2019](#); Indexat [EBSCO](#), [RePEc](#), [Conference Proceedings Citation Index / Web of Science](#), Volum indexat [Clarivate Analytics](#), Citation Databases: Conference Proceedings Citation Index- Social Science & Humanities, [WOS:000439623700018](#).
 6. Duțu (David) Mihaela Florentina, Begea M., Duțu I.C., Cîrîc Al., Simion G., Motor wheel modeling of a tractor, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Drobeta Turnu Severin, Romania, 31 May - 02 June 2018, ISSN 2359–7941, ISSN-L 2359–7941, pp.257-262, Editura POLITEHNICA PRESS, Editors: Gabriel-Paul Negreanu, Iulian-Claudiu Duțu; Indexat [Index Copernicus International](#), [EBSCO](#)
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 8. Stoica D., Voicu Gh., Duțu I.C., Duțu (David) Mihaela Florentina, Sort variation process of power flow in a conical sieve oscillating, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Drobeta Turnu Severin, Romania, 31 May - 02 June 2018, ISSN 2359–7941, ISSN-L 2359–7941, pp.385-390, Editura POLITEHNICA PRESS, Editors: Gabriel-Paul Negreanu, Iulian-Claudiu Duțu; Indexat [Index Copernicus International](#), [EBSCO](#)
 9. Vlăduț O., Mihai P., Duțu (David) Mihaela Florentina, Duțu I.C., Vlăduț D.I., Rural policies in Romania prior and after Europe 2020, 7th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Drobeta Turnu Severin, Romania, 31 May - 02 June 2018, ISSN 2359–7941, ISSN-L 2359–7941, pp.409-412, Editura POLITEHNICA PRESS, Editors: Gabriel-Paul Negreanu, Iulian-Claudiu Duțu; Indexat [Index Copernicus International](#), [EBSCO](#)
 10. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, Duțu I.C., *The analyze of the recruitment and selection process in a company operating in transport and logistics*, The 31th International

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11. Mihai P., Dumitriu D., Vlăduț O., **Duțu (David) Mihaela Florentina**, *Methods of quality improvement in service management*, International Symposium ISB-INMA TEH Agricultural and mechanical engineering, Bucharest, 26-28th October 2017, ISSN Print 2344-4118, ISSN CD-ROM 2344-4126, Online: ISSN 2537-3773, ISSN-L 2344-4118, pp.447-452; Indexat [CABI](#)
 12. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, Vlăduț D.I., Duțu I.C., *Using the Delphi method for improving the cost allocators installation service*, International Symposium ISB-INMA TEH Agricultural and mechanical engineering, Bucharest, 26-28th October 2017, ISSN Print 2344-4118, ISSN CD-ROM 2344-4126, Online: ISSN 2537-3773, ISSN-L 2344-4118, pp.421-426; Indexat [CABI](#)
 13. Mihai P., Vlăduț O., **Duțu (David) Mihaela Florentina**, *TOPSIS application in smart house*, The 9th International Conference on Economics and Administration “ICEA - FAA 2017”, Faculty of Business and Administration, University of Bucharest - 9-10th June 2017, FiLodiritto International Proceedings, Filodiritto Publisher, Bologna, Italy, ISBN: 978-88-95922-92-8, pp.126-132, Editor: Rodica Ianole-Calin, September 2017; Indexat [EBSCO](#), [RePEc](#), [Conference Proceedings Citation Index / Web of Science](#), Volum indexat [Clarivate Analytics](#), Citation Databases: Conference Proceedings Citation Index- Social Science & Humanities, WOS: 000439623700019.
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 15. Mihai P., Vlăduț O., Duțu (David) Mihaela Florentina Vlăduț D.I., Duțu I.C., *Correlation between the impulse and performance of the employees within the “Apele Romane” National Administration*, 6th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Moeciu, Romania, 8-10 June 2017, ISSN 2457–3302, ISSN-L 2457–3302, pp.409-414, Editura POLITEHNICA PRESS, Editors: Gabriel-Paul Negreanu, Iulian-Claudiu Duțu; Indexat [Index Copernicus International](#), [EBSCO](#)
 16. Vlăduț O., Mihai P., **Duțu (David) Mihaela Florentina**, Duțu I.C., Vlăduț D.I., Popescu C., *Mathematical model for the forecast of the electrical energy consumption*, International Symposium ISB-INMA TEH Agricultural and mechanical engineering, Bucharest, ISSN Print 2344-4118, ISSN CD-ROM 2344-4126, Online: ISSN 2537-3773, ISSN-L 2344-4118, pp.459-464, 27-29 October 2016; Indexat [CABI](#)
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18. **Duțu (David) Mihaela Florentina**, Duțu I.C., David L., Begea M., Rusănescu C.O., Modelling the driving wheel of the tractor for a model with a degree of freedom, *5th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Golden Sands, Bulgaria, ISSN 2359–7941, ISSN-L 2359–7941, pp.227-232, 2-4 June 2016, Editors: Lucian Mihăescu, Gabriel-Paul Negreanu*; Indexat [Index Copernicus International](#)
 19. Begea M., Berkesy L., Berkesy C., Cîrîc, Al., Duțu (David) Mihaela Florentina, Bărbulescu I.D., Approaches of the current paradigm biofuels vs. food, *5th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Golden Sands, Bulgaria, ISSN 2359–7941, ISSN-L 2359–7941, pp.171-174, 2-4 June 2016, Editors: Lucian Mihăescu, Gabriel-Paul Negreanu*; Indexat [Index Copernicus International](#)
 20. Mihai P., Vlăduț O., Duțu (David) Mihaela Florentina, Duțu I.C., Vlăduț D.I., Information on current energy consumption in an institution "Politehnica University of Bucharest", *5th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Golden Sands, Bulgaria, ISSN 2359–7941, ISSN-L 2359–7941, pp.283-286, 2-4 June 2016, Editors: Lucian Mihăescu, Gabriel-Paul Negreanu*; Indexat [Index Copernicus International](#)
 21. Rusănescu C.O., Biriș S.Șt., Paraschiv G., Voicu Gh., Begea M., **Duțu (David) Mihaela Florentina**, *Temperature humidity indices calculated for Bucharest between the years 2009-2012*, *5th International Conference on Thermal Equipment, Renewable Energy and Rural Development – TE-RE-RD, Golden Sands, Bulgaria, ISSN 2359–7941, ISSN-L 2359–7941, pp.369-372, 2-4 June 2016, Editors: Lucian Mihăescu, Gabriel-Paul Negreanu*; Indexat [Index Copernicus International](#)
 22. Vlăduț V., Danciu A., Grigore I., Herișanu N., Dumitru I., Sorică C., Voicea I., Biris S., **Duțu (David) Mihaela Florentina**, Păunescu D., Găgeanu I., [The Influence of the Working Regime of Oscillations Produced by an Electrovibrator on the Sorting of Materials](#), *Applied Mechanics and Materials*, Vol. 801/2015, ISSN: 1662-7482, pp 197-201, Edited by Nicolae Herisanu and Vasile Marinca, Scientific.Net, Publisher in Materials Science and Engineering, DOI: <https://doi.org/10.4028/www.scientific.net/AMM.801.197>

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Semnătura:

E – Brevete (pentru întreaga activitate)

A.