

Universitatea pentru Științele Vieții din Iași

Facultatea Agricultură

Departamentul de Tehnologii alimentare

Concurs pentru ocuparea postului de **profesor universitar**, poz. IV/3

Disciplinele postului: OPERAȚII UNITARE ÎN INDUSTRIA ALIMENTARĂ, OPERAȚII UNITARE ÎN INDUSTRIA ALIMENTARĂ, PROCESE ȘI OPERAȚII TEHNOLOGICE ÎN IND.ALIMENTARĂ

Domeniul postului: Ingineria resurselor vegetale și animale

Postul a fost avizat de MEN prin adresa nr. 428 din 27.11.2023

LISTA COMPLETĂ DE LUCRĂRI

1. Lucrări relevante (maxim 10)

- 1.1. **Cârlescu P.**, Băetu M., Rosca R., Tenu I., 2023, Studies on the Physical Changes in Corn Seeds during Hybrid Drying (Convection and Microwave), AGRICULTURE-BASEL, 13 (3), 519, DOI 10.3390/agriculture13030519, WOS:000952806600001, **FI-3,6**.
- 1.2. Arsenoaia VN., Rosca R., **Cârlescu P.**, Băetu M., Rațu R., Velescu I., Tenu I., 2023, Drying Process Modeling and Quality Assessments Regarding an Innovative Seed Dryer, AGRICULTURE-BASEL, 13 (2), 328, DOI10.3390/agriculture13020328, WOS:000938024200001, **FI-3,6**.
- 1.3. Velescu ID., Ratu RN, ArsenoaiaVN, Rosca R., **Cârlescu P.**, Tenu I., 2023, Research on the Process of Convective Drying of Apples and Apricots Using an Original Drying Installation, AGRICULTURE-BASEL 13 (4), 820, DOI 10.3390/agriculture13040820, WOS:000977878400001, **FI-3,6**.
- 1.4. **Cârlescu P.**, Arsenoaia V., Rosca R., Tenu I., 2017, CFD simulation of heat and mass transfer during apricots drying, LWT-Food Science and Technology, Vol. 85, Part B., p. 479-486, <https://doi.org/10.1016/j.lwt.2017.03.015>, ISSN 0023-6438, WOS:000414824900032, **FI-6,056**.
- 1.5. Bârsănescu P., **Cârlescu P.**, 2009, Correction of errors introduced by hole eccentricity in residual stress measurement by the hole-drilling strain-gage method, MEASUREMENT, Vol. 43, No. 3, p.474-477, DOI:10.1016/j.measurement.2008.09.002, ISSN 0263-2241, WOS:000264034900017, **FI-5,131**.
- 1.6. Roșca R., **Cârlescu P.**, Rakosi E., Manolache G., 2009, Fueling and D.I. agricultural diesel engine with waste oil biodiesel: Effects over injection, combustion and engine characteristics, ENERGY CONVERSION AND MANAGEMENT, Vol. 50, No. 9, p. 2158-2166, DOI: 10.1016/j.enconman.2009.04.026, ISSN 0196-8904, WOS:000268992500006, **FI-11,533**.
- 1.7. **Cârlescu P.**, Arsenoaia V., Tenu I., Muscalu A., Bârsan M., 2018, Researches of mass and heat transfer of an innovative vertical dryer, Proceedings of 46th International symposium on Agricultural Engineering "Actual Tasks on Agricultural Engineering", p. 407-417, ISSN 1848-4425, WOS:000506355900041.
- 1.8. **Cârlescu P.**, Tenu I., Roșca R., Muscalu A., Vlăduț V., 2018, CFD simulation of an innovative vertical dryer for agricultural seeds drying, Proceedings of 46th International symposium on Agricultural Engineering "Actual Tasks on Agricultural Engineering", p.419-428, ISSN 1848-4425. WOS:000506355900042.
- 1.9. **Cârlescu P.**, Matache G., Pavel I., Radoi R.I., Ilie I., 2016, The heat transfer simulation in a heating station that uses renewable sources for heating greenhouses. SGEM, Book 4 – Energy and Clean Technologies, Vol. 1, p.731-738, ISBN 978-619-7105-38-4. WOS:000391348600096.
- 1.10. **Cârlescu P.**, Tenu I.; Baetu M.; Rosca R., 2014, CFD study on must of grapes separation in a hydrocyclone, Advanced Materials Research, Vol. 837, p. 645-650, doi: 10.4028/www.scientific.net/AMR.837.645, ISSN 1022-6680. WOS:000337000500112.

2. Teza de doctorat

Cârlescu P., *Contribuții la studiul preciziei sistemelor de ghidaje liniare*, 167 pagini, 2003, Universitatea Tehnică GH.ASACHI Iași (litografiat).

3. Brevete de invenții

Cârlescu P., Vîntu V., Țenu I., Roșca R., Arsenoia V., *PROCEDU ȘI INSTALAȚIE PENTRU USCAREA MIXTĂ, PRIN CONVECȚIE ȘI CURENȚI DE ÎNALTĂ FRECVENȚĂ, A SEMINTELOR DE PLANTE AGRICOLE*, brevet nr. 132274 din 30.03.2023, Derwent Code J08-F02.

4. Publicarea de manuale universitare, tratate, monografii, alte cărți.

A. În edituri internaționale

4.1 R. Roșca, I.Țenu, **P. Cârlescu**, 2017, Refrigeration, Chapter 3 - Food Chilling Methods and CFD Analysis of a Refrigeration Cabinet as a Case Study, 29 pagini (17 pagini contribuție personală), numărul total de pagini 156, Publisher- InTech ISBN 978-953-51-3497-8, DOI: 10.5772/65998.

4.2 I.Țenu, **P. Cârlescu**, P. Cojocariu, R. Roșca, 2012, Management for Sustainable Agriculture, Chapter 10 - Impact of Agricultural Traffic and Tillage Technologies on the Properties of Soil, 34 pagini (29 pagini contribuție personală), număr total de pagini 296, Publisher- InTech ISBN 978-953-51-0808-5, DOI: 10.5772/47746.

B. În edituri naționale

4.3 **Cârlescu P.**, 2022, *Ambalaje și design în industria alimentară*, 334 pagini, Editura "Ion Ionescu de la Brad" Iași, ISBN 978-973-147-470-0.

4.4 **Cârlescu P.**, 2016, *Procese și operații în industria alimentară. Vol. I*, 298 pagini, Editura PIM, Iași, ISBN 78-606-13-3499-5.

4.5 **Cârlescu P.**, 2005, *Modelarea și simularea numerică a proceselor fizice industriale*, 127 pagini, Editura Performantica, Iași, ISBN 973-730-137-4.

4.6 Cârlescu I., **Cârlescu P.**, 2016, *Arta prezentării rezultatelor științifice*, 192 pagini, (102 pagini contribuție personală), Editura PIM, Iași, ISBN 978-606-13-3225-0.

4.7 Roșca R., **Cârlescu P.**, Țenu I., Vlahidis V., 2017, *Instalații frigorifice și de climatizare în industria alimentară*, 546 pagini (208 pagini contribuție personală), Editura "Ion Ionescu de la Brad" Iași, ISBN 978-973-147-249-2.

4.8 Țenu I., Cojocariu P., **Cârlescu P.**, Roșca R., Leon D., 2010, *Interacțiunea solului cu organele de lucru ale agregatelor agricole*, 309 pagini (102 pagini contribuție personală), Editura "Ion Ionescu de la Brad" Iași, ISBN 978-973-147-073-3.

4.9 Bârsănescu P., **Cârlescu P.**, Stoian A., *Senzori pentru cântărirea autovehiculelor în mișcare* 122 pagini (86 pagini contribuție personală), Editura Tehnopress, Iași, 2009, ISBN 973-702-685-3.

5. Articole/studii în extenso în reviste cotate ISI cu factor de impact

5.1 **Cârlescu P.**, Băetu M., Rosca R., Tenu I., 2023, Studies on the Physical Changes in Corn Seeds during Hybrid Drying (Convection and Microwave), AGRICULTURE-BASEL, 13 (3), 519, DOI 10.3390/agriculture13030519, WOS:000952806600001, **FI-3,6**.

5.2 Arsenoia VN., Rosca R., **Cârlescu P.**, Băetu M., Rațu R., Velescu I., Tenu I., 2023, Drying Process Modeling and Quality Assessments Regarding an Innovative Seed Dryer, AGRICULTURE-BASEL, 13 (2), 328, DOI10.3390/agriculture13020328, WOS:000938024200001, **FI-3,6**.

5.3 Velescu ID., Ratu RN, ArsenoiaVN, Rosca R., **Cârlescu P.**, Tenu I., 2023, Research on the Process of Convective Drying of Apples and Apricots Using an Original Drying Installation, AGRICULTURE-BASEL 13 (4), 820, DOI 10.3390/agriculture13040820, WOS:000977878400001, **FI-3,6**.

- 5.4** Ratu RN., **Cârlescu P.**, Usturoi M., Lipsa F., Velescu I., Arsenoaia V., Floarea A., Ciobanu M., Radu-Rusu R., Postolache A., Simeanu D., 2023, Effects of Dairy Cows Management Systems on the Physicochemical and Nutritional Quality of Milk and Yogurt, in a North-Eastern Romanian Farm, *AGRICULTURE-BASEL* 13 (7), 1295, DOI10.3390/agriculture13071295, WOS:001034732400001, **FI-3,6**.
- 5.5** Ratu RN., Stoica F. Usturoi MG., Velescu ID. Arsenoaia VN., **Cârlescu P.**, Postolache AN., Râpeanu G., 2023, A preliminary investigation into the enhancement of cheese with grape skin powder, *SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE* Volume 66, Issue 1, WOS:001092354100061, **FI – 0,3**.
- 5.6** Senila L., Tenu I., **Cârlescu P.**, Scurtu DA., Kovacs E., Senila M., Cadar O., Roman M., Dumitras D.E., Roman C., 2022, Characterization of Biobriquettes Produced from Vineyard Wastes as a Solid Biofuel Resource, *AGRICULTURE-BASEL*, 12 (3), 341, DOI10.3390/agriculture12030341, WOS:000775460700001, **FI-3,408**.
- 5.7** Tenu I., Roman C., Senila L., Rosca R., **Cârlescu P.**, Baetu M., Arsenoaia V., Dumitrachi E. P., Corduneanu O., 2021, Valorization of Vine Tendrils Resulted from Pruning as Densified Solid Biomass Fuel (Briquettes), *PROCESSES*, 9 (8), 1409, DOI10.3390/pr9081409, WOS:000689945600001, **FI-3,352**.
- 5.8** Roșca R., **Cârlescu P.**, Țenu I., Vlahidis V., Perșu C., 2022, The Improvement of a Traction Model for Agricultural Tire–Soil Interaction., *AGRICULTURE* (12), 2035; <https://doi.org/10.3390/agriculture12122035>, **FI-3,408**.
- 5.9** Corduneanu O., Stoleru V., Rosca R., **Cârlescu P.**, Baetu M., Tenu I., 2021, Use of fertigation systems for environmental safety of solanaceae species under protected spaces, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, 20 (4), 579-584, WOS:000637747700009, FI-0,858.
- 5.10** Senila L., Tenu I., **Cârlescu P.**, Corduneanu O.R., Dumitrachi E.P., Kovacs E., Scurtu D. A., Cadar O., Becze A., Senila M., Roman M., Dumitras D. E., Roman C., 2020. Sustainable Biomass Pellets Production Using Vineyard Wastes. *AGRICULTURE*,10 (11), 501; doi:10.3390/agriculture10110501, WOS:000592323900001, **FI-3,408**.
- 5.11** **Cârlescu P.**, Arsenoaia V., Rosca R., Tenu I., 2017, CFD simulation of heat and mass transfer during apricots drying, *LWT-Food Science and Technology*, Vol. 85, Part B., p. 479-486, <https://doi.org/10.1016/j.lwt.2017.03.015>, ISSN 0023-6438, WOS:000414824900032, **FI- 6,056**.
- 5.12** Bârsănescu P., **Cârlescu P.**, Goanță V., Dumitrașcu I., 2016, Finite Elements Analysis of CFRP Specimens with Included Cracks, *MATERIALE PLASTICE*, Vol. 53, Issue: 2, p. 229-234, DOI: 10.1016/j.still.2014.03.007, ISSN 0025-5289, WOS:000380629300011, **FI-0,782**.
- 5.13** Diaconu A, Țenu I., Roșca R, **Cârlescu P.**, 2016, Researches regarding the reduction of pesticide soil pollution in vineyards, *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION*, Vol. 50, No. 9, p. 2158-2166, <http://dx.doi.org/10.1016/j.psep.2016.09.016>, ISSN 0957-5820, WOS:000405963400014, **FI-7,926**.
- 5.14** Cârlescu I., Simion A., Bele A., **Cârlescu P.**, Scutaru D., 2018, Dielectric properties of some bent core liquid crystals, *Environmental Engineering and management journal*, Vol. 17, Issue 4, p. 951-958, DOI: 10.30638/eemj.2018.095, WOS:000431134900020, **FI -0,858**.
- 5.15** Roșca R, **Cârlescu P.**, Tenu I., 2014, A Semi-empirical traction prediction model for an agricultural tyre, based on the super ellipse shape of the contact surface, *SOIL & TILLAGE RESEARCH*, Vol. 141, p. 10-18, DOI: 10.1016/j.still.2014.03.007, ISSN 167-1987, WOS:000337885200002, **FI-7,366**.
- 5.16** Opitz R., Goanță V., **Cârlescu P.**, Bârsănescu P., Țăranu N., Banu O., 2012, Use of Finite Elements Analysis for a Weigh-in-Motion Sensor Design. *Sensors*, *SENSORS*, No.12, (6), p. 6978-6994, DOI: 10.3390/s120606978, ISSN 1424-8220, WOS:000305801400012, **FI-3,847**.
- 5.17** Bârsănescu P., **Cârlescu P.**, 2009, Correction of errors introduced by hole eccentricity in residual stress measurement by the hole-drilling strain-gage method, *MEASUREMENT*,

Vol. 43, No. 3, p.474-477, DOI:10.1016/j.measurement.2008.09.002, ISSN 0263-2241, WOS:000264034900017, **FI-5,131**.

5.18 Roșca R., **Cârlescu P.**, Rakosi E., Manolache G., 2009, Fueling and D.I. agricultural diesel engine with waste oil biodiesel: Effects over injection, combustion and engine characteristics, ENERGY CONVERSION AND MANAGEMENT, Vol. 50, No. 9, p. 2158-2166, DOI: 10.1016/j.enconman.2009.04.026, ISSN 0196-8904, WOS:000268992500006, **FI-11,533**.

5.19 Dobre V., Tenu I., Velescu I., **Cârlescu P.**, Research regarding testing of barley in order to obtain malt, Current Opinion in Biotechnology, Vol. 24, (1), S96, WOS:000323298100266, **FI-10,279**.

6. Articole/studii în extenso în reviste sau conferințe cotate/indexate ISI fără factor de impact

6.1 **Cârlescu P.**, Arsenoia V., Tenu I., Muscalu A., Bârsan M., 2018, Researches of mass and heat transfer of an innovative vertical dryer, Proceedings of 46th International symposium on Agricultural Engineering "Actual Tasks on Agricultural Engineering", p. 407-417, ISSN 1848-4425, WOS:000506355900041.

6.2 **Cârlescu P.**, Tenu I., Roșca R., Muscalu A., Vlăduț V., 2018, CFD simulation of an innovative vertical dryer for agricultural seeds drying, Proceedings of 46th International symposium on Agricultural Engineering "Actual Tasks on Agricultural Engineering", p.419-428, ISSN 1848-4425, WOS:000506355900042.

6.3 **Cârlescu P.**, Matache G., Pavel I., Radoi R.I., Ilie I., 2016, The heat transfer simulation in a heating station that uses renewable sources for heating greenhouses. SGEM, Book 4 – Energy and Clean Technologies, Vol. 1, p.731-738, ISBN 978-619-7105-38-4, WOS:000391348600096.

6.4 **Cârlescu P.**, Corduneanu O., Tenu I., Șovăială G., Matache G., Tănăsescu N., 2016, The efficient use of water and fertilizer resources in a fertigation plant. SGEM, Book 3 –Water Resources. Forest, Marine and Ocean Ecosystems, Vol. 11, Section: Hydrology and Water Resources, pp.727-734, ISBN 978-619-7105-36-0, WOS:000391653400095.

6.5 **Cârlescu P.**, Tenu I.; Baetu M.; Rosca R., 2014, CFD study on must of grapes separation in a hydrocyclone, Advanced Materials Research, Vol. 837, p. 645-650, doi: 10.4028/www.scientific.net/AMR.837.645, ISSN 1022-6680. WOS:000337000500112.

6.6 Rosca R., **Carlescu P.**, Vlahidis V., 2021, Assessment of the constructive properties of some milking liners and their effect over the pulsation cycle, ACTUAL TASKS ON AGRICULTURAL ENGINEERING (ATAE 2021), vol. 48, 281-291, WOS:000664133000030.

6.7 Tenu I., Rosca R., **Cârlescu P.**, Roman C., Senila L. R., Arsenoia V., Dumitrache E., Baetu M., Corduneanu O., 2020. Researches regarding evaluation of energy consumption for manufacturing of pellets from vine pruning residues. ENGINEERING FOR RURAL DEVELOPMENT, 19th International Scientific Conference, Jelgava, LATVIA, DOI:10.22616/ERDev.2020.19.TF013. WOS:000815085500005.

6.8 Roșca R., **Cârlescu P.**, Tenu I., 2017, Comparative analysis of some tire deformation models used for the prediction of traction characteristics, International Symposium ISB-INMA TEH Agricultural and Mechanical Engineering, Vol. 53, Issue. 3, p.151-158, ISSN 2344-4118. WOS:000424495300019.

6.9 Roșca R., **Carlescu P.**, Manolache G., 2019, Evaluation of the Discharge Coefficient of Diesel Nozzles when Using Biodiesel Fuels, PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC CONGRESS - LIFE SCIENCES, A CHALLENGE FOR THE FUTURE, p.111-116, ISBN978-88-85813-63-2, WOS:000747623800018.

6.10 Roșca R., **Cârlescu P.**, Tenu I., 2014, Assessment of a traction model for agricultural tires based on a variable shear area model and experimental data, Advanced Materials Research, volume: 837 pag. 458-463, doi: 10.4028/www.scientific.net/AMR.837.458, ISSN 1022-668. WOS:000337000500080.

6.11 Roșca R., **Cârlescu P.**, Tenu I., 2014, Evaluation of vacuum regulation in a mechanical milking machine by the means of a vfd controlled vacuum pump, Actual Tasks on Agricultural Engineering-Zagreb, Vol. 42, p. 219-229, ISSN 1848-4425, WOS:000340762800021.

- 6.12** Arsenoaia, V.N., Vladut, V., Tenu, I., Voicea, I., **Cârlescu, P.**, 2019. Drying process modeling with effects of physical parameters on dehydrated seeds. *Actual Tasks on Agricultural Engineering-Zagreb*, Vol. 47, pp.333-342. WOS:000472729500034.
- 6.13** Arsenoaia, V.N., Vladut, V., Tenu, I., Voicea, I., Moiceanu, G., **Cârlescu, P.**, 2019. Mathematical modeling and numerical simulation of the drying process of seeds in a pilot plant. *INMATEH-AGRICULTURAL ENGINEERING*, 57(1), pp. 55-62, DOI: 10.35633/INMATEH_57_06. WOS:000481500800006.
- 6.14** Arsenoaia, V.N., Băetu, M., **Cârlescu, P.**, Tenu, I., 2019. Research Regarding the Influence of Drying Agent's Velocity and Temperature on the Work Process of Sunflower Seed Dehydration. *PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC CONGRESS - LIFE SCIENCES, A CHALLENGE FOR THE FUTURE*, pp.146-150. ISBN978-88-85813-63-2, WOS:000747623800024.
- 6.15** Tenu I., Coorduneanu OR, Rosca R., **Carlescu P.**, Dumitrachi E., Naghiu A., Roman C., Senila LR., 2019, Studies Regarding Technologies of Valorisation as Biomass of Vine Pruning Residues Resulted from Dormant Pruning, *PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC CONGRESS - LIFE SCIENCES, A CHALLENGE FOR THE FUTURE*, p.128-133, ISBN978-88-85813-63-2, WOS:000747623800021.
- 6.16** Tenu I., Coorduneanu OR, **Carlescu P.**, Rosca R., 2018. Design and construction of a fertilizer spreader for glass houses and greenhouses. *Proceedings of 46th International symposium on Agricultural Engineering "Actual Tasks on Agricultural Engineering"*, vol.48, p.157-167, WOS:000506355900015.
- 6.17** Tenu I., Rosca R., **Cârlescu P.**, Velescu I.D., 2014, Researches for the optimization of the dehydration process for plums and apricots, *Advanced Materials Research*, Vol. 837, p. 212-217, doi:10.4028/www.scientific.net/AMR.837.212, ISSN 1022-668. WOS:000337000500039.
- 6.18** Tenu I., Cojocariu P., Rosca R., **Cârlescu P.**, 2012, Mobile laboratory for the evaluation of the power indices of the agricultural units, *Actual Tasks on Agricultural Engineering-Zagreb*, Volume: 40, pag. 213-221, ISSN 1333-2651. WOS:000309447100021.
- 6.19** Tenu I., Cojocariu P., Roșca R., **Cârlescu P.**, 2012, Laboratory test rig for studying the interaction between the active parts of the agricultural units and soil, *Actual Tasks on Agricultural Engineering-Zagreb*, Volume: 40, pag. 223-230, ISSN 1333-2651. WOS:000309447100022.
- 6.20** Roșca R., **Cârlescu P.**, Tenu I., Chirila C., 2012, Effect of the liner tension over some characteristics of the process of mechanical milking, *Actual Tasks on Agricultural Engineering-Zagreb*, Volume: 40, pag. 385-394, ISSN 1333-2651. WOS:000309447100038.
- 6.21** Rosca R., Tenu I., **Cârlescu P.**, Cazacu D., Vlahidis V., 2010, Evaluation of the super ellipse model for the tyre-ground contact patch, *Actual Tasks on Agricultural Engineering-Zagreb*, Volume: 38, pag. 85-92, ISSN 1333-2651. WOS:000281649800008.
- 6.22** Tenu I., Cojocariu P., Rosca R., **Cârlescu P.**, 2008, The achievement and experimentation of one complex unit for total tillage and sowing of the soil for straw crops, *Actual Tasks on Agricultural Engineering-Zagreb*, volume: 36, pag. 127-134, ISSN 1333-2651. WOS:000254647700011.
- 6.23** Rosca R., Tenu I., **Cârlescu P.**, Rakosi E., Manolache G., 2008, Tire traction models - Comparative analysis and validation, *Actual Tasks on Agricultural Engineering-Zagreb*, volume-36, pag. 93-104, ISSN 1333-2651, WOS:000254647700008.
- 6.24** Băetu M., Arsenoaia V., Tenu I., **Cârlescu P.**, 2019, Studies Regarding CFD Simulation of the Clearing Process for the Grape Raw Juice in a Hydrocyclon, *Proceedings of the International Scientific Congress "Life sciences, a challenge for the future"*, 151-156, ISBN 978-88-85813-63-2. WOS:000747623800025.
- 6.25** Muscalu A., **Cârlescu P.**, Sorica C., Arsenoaia V., Bârsan M., 2018, Innovative model of vertical dryer for cereal seeds, 7-th International Conference on Thermal Equipment Renewable Energy and Rural Development, TE-RE-RD 2018, p.303-308, ISSN 2457-3302. WOS:000506355900041.
- 6.26** Diaconu A., Tenu I., Roșca R., **Cârlescu P.**, 2015, Researches regarding the reduction of pesticide soil pollution in vineyards, 8th- International conference on environmental engineering and management – ICEEM08, 9 - 12 september 2015, Iasi, Romania, p. 121-122. WOS:000405963400014.

6.27 Roșca R., **Cârlescu P.**, Cazacu D., Avarvarei B., Rakosi E., Manolache G., 2009, Evaluation of the tire – ground shear area: combining the model and experimental data. 37th International Symposium Actual Tasks on Agricultural Engineering, Opatija Croatia, 11-13 feb. 2009 p. 85- 95, ISSN 1333-2651. WOS:000266236400009.

6.28 Bârsănescu P., Grindberg R., **Cârlescu P.**, 2008, Generation of Residual Stresses in Composites. ESDA2008-59542, vol.1, pp.623-628, Proceedings of the 9th Biennial ASME Conference on Engineering Systems Design and Analysis, July 7-9, 2008, Haifa, Israel, ISBN 0-7918-3827-7. WOS:000263618000088.

Cereri brevet de invenții (Indexate Derwent Inovation)

6.29 **Cârlescu P.**, Țenu I., Roșca R., Arsenoaia V., PROCEDEU ȘI APARAT PENTRU USCAREA UNIFORMĂ A SEMINTELOR DE PLANTE AGRICOLE, nr. 132273 A2, RO-BOPI 11/2017, din 29.11.2017.

6.30 **Cârlescu P.**, Vintu V., Țenu I., Roșca R., Arsenoaia V., PROCEDEU ȘI INSTALAȚIE PENTRU USCAREA MIXTĂ, PRIN CONVECȚIE ȘI CURENȚI DE ÎNALTĂ FRECVENȚĂ, A SEMINTELOR DE PLANTE AGRICOLE, brevet nr. 132274 din 30.03.2023, Derwent Code J08-F02.

6.31 Tenu I, Vintu V, Nicolescu M, **Cârlescu P.**, Rosca R, Arsenoaia V N, Baetu M M, TEHNOLOGIE ȘI ECHIPAMENT PENTRU PRELUCRAREA PELETELOR DIN COARDE DE VIȚĂ DE VIE, nr. 000834, RO135050-A2, RO-BOPI 6/2021, din 30.06.2021.

7. Articole/studii în extenso in reviste cotate BDI

7.1 **Cârlescu P.**, The study of bread volume determination using the photometric method, 2023, *Lucrări Științifice* - vol. 66(1), p. 27- 30, seria *Agronomie*, ISSN 1454-7414.

7.2 Stoica F., Rațu RN., **Cârlescu P.**, Veleşcu I., Talpă S., Arsenoaia V., Lipșa F., 2023, Assessment of utilizing annatto seeds powder as a natural food ingredient for cheddar cheese, *Lucrări Științifice* - vol. 66(1), p. 181- 186, seria *Agronomie*, ISSN 1454-7414.

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