

LISTA COMPLETĂ DE LUCRĂRI

Conf.dr.ing. Adriana TOKAR

A. LISTA CELOR MAI RELEVANTE 10 LUCRĂRI PUBLICATE

- (1) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Hybrid System for Reducing Operational CO₂ Emissions Generated by Technical Systems in Tertiary Buildings, Buildings, eISSN: 2075-5309, Vol. 16, Issue 8, April, DOI:10.3390/buildings16081483, Article Number 1483, 2026.
- (2) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Bisorca Daniel, Experimental Study on the Sustainability of Harnessing the Thermal Potential of Surface Waters for Building Decarbonization, Buildings, eISSN: 2075-5309, Vol. 16, Issue 2, November, DOI:10.3390/buildings16020445, Article Number 445, 2026.
- (3) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Bisorca Daniel, Decarbonization of Heating and Cooling Systems of Buildings Located Nearby Surface Water Sources: Case Study, Energies, eISSN: 1996-1073, Vol. 17, Issue 15, November, doi.org/ 10.3390/en17153673, Article Number 3673, 2024.
- (4) Tokar Danut, **Tokar Adriana**, Rusen Alexandra, Dragota Catalin, Experimental Model for the Study of Energy Conversion and Storage in Compressed Air. Backup Power Supplies, International Conference on Numerical Analysis and Applied Mathematics 2022, ICNAAM-2022, Heraklion, Greece, September 19-25, 2022, AIP Conference Proceedings, Volume 3094, Issue 17, Article ID 420007, ISSN 0094243X, ISBN 978-073544954-1, DOI 10.1063/5.0213354, 2024.
- (5) **Tokar Adriana**, Tokar Dănuț, Adam Marius, Păcurar Cristian, Muntean Daniel, Dragotă Cătălin *Considerations for limiting the contribution of buildings to climate change through efficient energy use*, Revista Română de Inginerie Civilă, vol. 14, Nr. 3, pp. 243-250, ISSN 2068-3987, Editura Matrix, 2023.
- (6) Petrica Daniel Toma, **Adriana Tokar**, Mirela Sanda Țoropoc, *Modelling and Simulation Eutrophication of Water Rivers*, Revista de Chimie, Vol. 70, nr.8, pp. 2912-2916, august 2019, Chem. Abs. RCBUAU 70(8) (2912-2916) ISSN 0034-7752, București, 2019.
- (7) Tokar Danut, Foris Diana, **Tokar Adriana**, Foris Tiberiu, *Sustainable development of disadvantaged regions by renewable energy sources integration*, Proceedings of the 2019 International Conference Economic Science for Rural Development, Issue 51, pp. 237-244, Jelgava, LLU ESAF, 9-10 May 2019.
- (8) **Tokar Adriana**, Negoîtescu Arina, Alexandra Rusen, *Solutions to Recover the Energy Lost to an Industrial Consumer*, 10th International Conference KOD 2018, IOP Conf. Series: Materials Science and Engineering **393** (2018) 012078, DOI 10.1088/1757-899X/393/1/012078, 2018.
- (9) Sarbu Ioan, **Tokar Adriana**, *Numerical modelling of high-temperature radiant panel heating system for an industrial hall*, International Journal of Advanced and Applied Sciences, Volume 5, Issue 5 (May 2018), Pages: 1-9, <https://doi.org/10.21833/ijaas.2018.05.001>, **Print ISSN:** 2313-626X, **EISSN:** 2313-3724, **Publisher:** Institute of Advanced Science Extension (IASE), Taiwan, 2018.
- (10) **Tokar Adriana**, Negoîtescu Arina, Hamat Codruța, Roșu Șerban *The chemical and ecological state evaluation of a storage lake*, Revista de Chimie, Vol. 67, nr.9, pp. 1860-1863, septembrie 2016, Chem. Abs. RCBUAU 67(9) (1860-1863) ISSN 0034-7752, București, 2016.

B. TEZA DE DOCTORAT

„Cercetări privind interacțiunea dintre automobilul echipat cu m.a.i. și mediu”; domeniu de doctorat: Inginerie Mecanică, conducător științific: prof.dr.ing. Dănilă Iorga, susținută public în 09.09.2009, confirmată prin Ordinul OMedC 6026/27.11.2009.

C. CONTRIBUȚIILE CANDIDATULUI

1. ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ

1.1. Cărți și capitole în cărți de specialitate

- (1) Sârbu Ioan, **Tokar Adriana**, *Water Distribution Systems. Numerical Modelling and Optimisation*, Collection Building Services, Editura „Politehnica”, 309 pagini, I.S.B.N. 978-606-35-0207-1, Timișoara, 2018.

- (2) **Tokar Adriana**, *Instalații sanitare și de gaze. Partea I*, Editura „Politehnica”, 333 pagini, I.S.B.N. 978-606-35-0087-9, Timișoara, 2016.
- (3) **Tokar Adriana**, Tokar Dănuț Marcel *Instalații de alimentare cu gaze naturale combustibile a consumatorilor din clădiri. Ghid de proiectare*, Editura „Politehnica”, 156 pagini, I.S.B.N. 978-606-35-0088-6, Timișoara, 2016.
- (4) **Tokar Adriana**, Mihon Liviu, Ostoia Daniel, *Dinamica autovehiculelor. Lucrări de laborator*, Editura „Mirton”, 108 pagini, I.S.B.N. 978-973-52-0712-0, Timișoara, 2009.
- (5) **Tokar Adriana**, Negoitescu Arina, *Termotehnică. Aplicații*, Editura „Mirton”, 146 pagini, I.S.B.N. 978-973-52-0711-3, Timișoara, 2009.
- (6) **Tokar Adriana**, *Cercetări privind interacțiunea dintre automobilul echipat cu m.a.i. și mediu*. Editura “Politehnica”, 160 pagini, I.S.B.N. 978-973-625-945-6, Timișoara, 2009.

1.2. Suport didactic

- (1) **Tokar Adriana**, *Sisteme de alimentare cu gaze naturale*, <https://cv.upt.ro/course/view.php?id=4099>, Timișoara, 2026.
- (2) **Tokar Adriana**, *Sisteme moderne de iluminat*, <https://cv.upt.ro/course/view.php?id=463>, Timișoara, 2022.
- (3) **Tokar Adriana**, *Instalații sanitare 1*, <https://cv.upt.ro/course/view.php?id=9626>, Timișoara, 2025.
- (4) **Tokar Adriana**, *Instalații sanitare 2*, <https://cv.upt.ro/course/view.php?id=4099>, Timișoara, 2026.
- (5) **Tokar Adriana**, *Instalații hidroedilitare*, <https://cv.upt.ro/course/view.php?id=3356>, Timișoara, 2021.
- (6) **Tokar Adriana**, *Instalații electrice 1*, <https://cv.upt.ro/course/view.php?id=2359>, Timișoara, 2021.
- (7) **Tokar Adriana**, *Măsurări în instalații*, <https://cv.upt.ro/course/view.php?id=3354>, Timișoara, 2021.
- (8) **Tokar Adriana**, *Evaluarea consumurilor energetice a instalațiilor de ventilație și climatizare și surse regenerabile de energie pentru clădiri*, <https://cv.upt.ro/course/view.php?id=1335>, Timișoara, 2024.
- (9) **Tokar Adriana**, *Evaluarea consumurilor energetice a instalațiilor de ventilație și climatizare și surse regenerabile de energie pentru clădiri*, <https://cv.upt.ro/course/view.php?id=1334>, Timișoara, 2025.
- (10) **Tokar Adriana**, *Instalații pentru stingerea incendiilor*, <https://cv.upt.ro/course/view.php?id=451>, Timișoara, 2021.
- (11) **Tokar Adriana**, *Optimizarea sistemelor de distribuție a apei 1*, <https://cv.upt.ro/course/view.php?id=457>, Timișoara, 2021.
- (12) **Tokar Adriana**, *Optimizarea sistemelor de distribuție a apei 2*, <https://cv.upt.ro/course/view.php?id=459>, Timișoara, 2021.
- (13) **Tokar Adriana**, *Metode și mijloace de stocare a energiei*, <https://cv.upt.ro/course/view.php?id=459>, Timișoara, 2025.
- (14) **Tokar Adriana**, *Bazele antreprenoriatului*, <https://cv.upt.ro/course/view.php?id=4573>, Timișoara, 2020.
- (15) **Tokar Adriana**, *Edilitare. Suport de curs*, http://www.arh.upt.ro/?page_id=1547, Timișoara, 2016.
- (16) **Tokar Adriana**, *Asigurarea calității în instalații. Curs*, www.cv.upt.ro, Timișoara, 2013.
- (17) **Tokar Adriana**, *Asigurarea calității în instalații. Laborator*, www.cv.upt.ro, Timișoara, 2013.

2. ACTIVITATEA DE CERCETARE

2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings

- (1) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Hybrid System for Reducing Operational CO₂ Emissions Generated by Technical Systems in Tertiary Buildings, Buildings, eISSN: 2075-5309, Vol. 16, Issue 8, April, DOI:10.3390/buildings16081483, Article Number 1483, 2026.
- (2) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Bisorca Daniel, Experimental Study on the Sustainability of Harnessing the Thermal Potential of Surface Waters for Building Decarbonization, Buildings, eISSN: 2075-5309, Vol. 16, Issue 2, November, DOI:10.3390/buildings16020445, Article Number 445, 2026.
- (3) **Tokar Adriana**, Muntean Daniel, Tokar Danut, Bisorca Daniel, Decarbonization of Heating and Cooling Systems of Buildings Located Nearby Surface Water Sources: Case Study, Energies, eISSN: 1996-1073, Vol. 17, Issue 15, November, doi.org/ 10.3390/en17153673, Article Number 3673, 2024.
- (4) Tokar Danut, **Tokar Adriana**, Rusen Alexandra, Dragota Catalin, Experimental Model for the Study of Energy Conversion and Storage in Compressed Air. Backup Power Supplies, International Conference on Numerical Analysis and Applied Mathematics 2022, ICNAAM-2022, Heraklion, Greece, September 19-25, 2022, AIP Conference Proceedings, Volume 3094, Issue 17, Article ID 420007, ISSN 0094243X, ISBN 978-073544954-1, DOI 10.1063/5.0213354, 2024.

- (5) Sârbu Ioan, Popa-Albu Simona, **Tokar Adriana**, Multi-objective optimization of water distribution networks: An overview, *International Journal of Advanced and Applied Sciences*, ISSN: 2313-626X, Vol. 7, Issue 11, November, doi.org/10.21833/ijaas.2020.11.008, pp. 74-86, 2020.
- (6) Petrica Daniel Toma, **Adriana Tokar**, Mirela Sanda Țoropoc, *Modelling and Simulation Eutrophication of Water Rivers*, *Revista de Chimie*, Vol. 70, nr.8, pp. 2912-2916, august 2019, Chem. Abs. RCBUAU 70(8) (2912-2916) ISSN 0034-7752, București, 2019.
- (7) Tokar Danut, Foris Diana, **Tokar Adriana**, Foris Tiberiu, *Sustainable development of disadvantaged regions by renewable energy sources integration*, *Proceedings of the 2019 International Conference Economic Science for Rural Development*, Issue 51, pp. 237-244, Jelgava, LLU ESAF, 9-10 May 2019.
- (8) Danut Tokar, Catalin Stroita, **Adriana Tokar**, Alexandra Rusen, *Hybrid System that Integrates the Lost Energy Recovery on the WaterWater Heat Pump Exhaust Circuit*, 4th International Conference World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), IOP Conf. Series: Materials Science and Engineering 603 (2019) 042002 IOP Publishing, DOI:10.1088/1757-899X/603/4/042002, Prague, Czech Republic, 17- 21 June, 2019.
- (9) Foriș Diana, Tokar Dănuț, **Tokar Adriana**, Foriș Tiberiu, *Sustainable Rural Development Through Improving Water Supply in Mountain Huts*, 19th International Scientific Conference, *Proceedings of the 2018 International Conference "Economic Science for Rural Development"*, No.47, pp. 81-88, ISSN 1691-3078, ISSN 2255-9930 on line, ISBN 978-9984-48-292-7 (E-book), Jelgava, Latvia- LLU ESAF, DOI 10.22616/ESRD.2018.009, 9-11 May 2018.
- (10) Sarbu Ioan, **Tokar Adriana**, *Numerical modelling of high-temperature radiant panel heating system for an industrial hall*, *International Journal of Advanced and Applied Sciences*, Volume 5, Issue 5 (May 2018), Pages: 1-9, <https://doi.org/10.21833/ijaas.2018.05.001>, **Print ISSN:** 2313-626X, **EISSN:** 2313-3724, **Publisher:** Institute of Advanced Science Extension (IASSE), Taiwan, 2018.
- (11) **Tokar Adriana**, Negoîtescu Arina, Hamat Codruța, Roșu Șerban *The chemical and ecological state evaluation of a storage lake*, *Revista de Chimie*, Vol. 67, nr.9, pp. 1860-1863, septembrie 2016, Chem. Abs. RCBUAU 67(9) (1860-1863) ISSN 0034-7752, București, 2016.
- (12) Negoîtescu Arina, **Tokar Adriana**, Hamat Codruța, *The influence of the air thermal and rainfall regimes on storage lakes water turbidity*, *Materiale Plastice*, Vol. 53, nr.3, pp. 542-545, Chem.l Abs. MPLAAM 53(3), ISSN 0025-5289, București, 2016.
- (13) **Tokar Adriana**, Negoîtescu Arina, Marius Adam, Dănuț Tokar, *Research on Mechanical Strength of Technological Fluid Storage Tank Made of Polyester Resin Reinforced with Fiberglass*, *Revista de Materiale Plastice*, București, Vol. 51, nr.3, pp. 432-434, Chem. Abs. MATER PLAST 51(4), ISSN 0025-5289, aprilie 2014.
- (14) Negoîtescu Arina, **Tokar Adriana**, *Investigations on Car Emissions Under the Urban Traffic Conditions with the Influence on Timișoara Air Quality*, *Transport*, Volume 28, Issue 1, pp. 38-45, Transport, ISSN 1648-4142, DOI: 10.3846/16484142.2013.781060, Publish. House Elsevier, Vilnius, 2013.
- (15) Negoîtescu Arina, **Tokar Adriana**, *Water Disinfection and the Implementation of Modern Technologies at Potable Water Treatment Station*, *Revista de Chimie*, Vol. 63, nr.10, pp. 1079-1089, octombrie 2012, Chem. Abs. RCBUAU 63(10) (1079-1083) ISSN 0034-7752, București, 2012.
- (16) **Tokar Adriana**, Negoîtescu Arina, *Researches on the Chemical Indicators of Discharged Water, Treated by Mechano-biological Methods*, *Revista de Chimie*, Vol. 63, nr.11, pp. 1181-1186, RCBUAU 63(11) (1181-1186) ISSN 0034-7752, București, 2012.
- (17) **Tokar Adriana**, Negoîtescu Arina, *Comparative Analysis of Exhausted Gases Opacity under Urban Traffic Conditions*, 8th IASME/WSEAS International Conference on Heat Transfer, Thermal Engineering an Environment (HTE'10), Taipei, Taiwan, pp. 209-213, ISBN 978-960-474-215-8, ISSN 1792-4596, 20-22th August, 2010.
- (18) Negoîtescu Arina, **Tokar Adriana**, *Aspects Regarding the Performance Improvement of Heating Systems with Radiant Tubes*, 5th IASME/WSEAS International Conference on Energy&Environment (EE'10), University of Cambridge, UK, pp. 205-210, ISBN 978-960-474-159-5, ISSN 1790-5095, 20-22th February, 2010.
- (19) Negoîtescu Arina, Ostoia Daniel, **Tokar Adriana**, Hamat Codruța, *Study On the Treatment of Exhaust Gases at Diesel Engines with the Purpose of Reducing the Emissions of Nitrogen Oxides*, *Revista de Chimie*, București, Romania, Vol. 60, Nr. 4, pp. 411-413, ISSN 0034-7752, 2009.
- (20) **Tokar Adriana**, Negoîtescu Arina, Mihon Liviu, *Studies Regarding the CO₂ Recovery from the Atmosphere*, *Annals of DAAAM for 2009 & Proceedings of 20th DAAAM International Symposium*, Wien, Austria, pp.0349-0350, ISSN 978-3-901509-70-4, DOI: 10.2507, 25-28th November, 2009.
- (21) Mihon Liviu, Negoîtescu Arina, **Tokar Adriana**, Ostoia Daniel, *Tyre Quality Influence on Fuel Consumption for Motor Vehicles*, *Annals of DAAAM for 2009 & Proceedings of 20th DAAAM International Symposium*, Wien, Austria, pp. 0751-0753, ISSN 978-3-901509-70-4, DOI: 10.2507, 25-28th November, 2009.

- (22) Mihon Liviu, Ostoia Daniel, Negoîtescu Arina, **Tokar Adriana**, *Simulation of Vehicle's Powertrain for Performances Evaluation*, Annals of DAAAM for 2009 & Proceedings of 20th DAAAM International Symposium, Wien, Austria, pp. 0235-0237, ISSN 978-3-901509-70-4, DOI: 10.2507, 25-28th November, 2009.
- (23) Ostoia Daniel, Negoîtescu Arina, **Tokar Adriana**, *The Wearing Out Compensation of Diesel Engines Combustion Chambers by Modern Systems Implementation*, Proceedings of the 19th DAAAM International Symposium, Intelligent Manufacturing&Automation: Focus on Next Generation of Intelligent Systems and Solutions, Trnava, Slovakia, pp.0999-1000, ISSN 1726-9679, 22-25th October, 2008.

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

- (1) **Adriana Tokar**, Marius Adam, Daniel Bisorca, Cristian Păcurar, Alexandru Dorca, Dănuț Tokar, Daniel Muntean, Proposals to energy efficiency cooling processes and hot water preparation in buildings located near surface water sources, Revista Română de Inginerie Civilă, vol. 17, Nr. 1, pp. 24-30, ISSN 2068-3987, Editura Matrix, 2026 (DOI: [10.37789/rjce.2026.17.1.3](https://doi.org/10.37789/rjce.2026.17.1.3)).
- (2) Daniel Bisorca, **Adriana Tokar**, Dănuț Tokar, Daniel Muntean, Alexandru Dorca, The concept of an installation for testing, monitoring and efficient management of complex systems equipped with a heat pump for heating / cooling and preparing hot water in buildings, Revista Română de Inginerie Civilă, vol. 17, Nr. 1, pp. 118-121, ISSN 2068-3987, Editura Matrix, 2026 (DOI: [10.37789/rjce.2026.17.1.13](https://doi.org/10.37789/rjce.2026.17.1.13)).
- (3) Dănuț Tokar, **Adriana Tokar**, Daniel Muntean, Daniel Bisorca, Alexandru Dorca, Marius Adam, The choice of electricity storage systems to optimize the load curve. Case studies, Revista Română de Inginerie Civilă, vol. 17, Nr. 1, pp. 56-63, ISSN 2068-3987, Editura Matrix, 2026 (DOI: [10.37789/rjce.2026.17.1.7](https://doi.org/10.37789/rjce.2026.17.1.7)).
- (4) Cristian Păcurar, **Adriana Tokar**, Marius Adam, The role of ventilation systems on indoor air quality. Analysis and Solutions for a Healthy Environment, Revista Română de Inginerie Civilă, vol. 16, Nr. 3, pp. 299-304, ISSN 2068-3987, Editura Matrix, 2025 (DOI: [10.37789/rjce.2025.16.3.7](https://doi.org/10.37789/rjce.2025.16.3.7)).
- (5) Marius Adam, **Adriana Tokar**, Alexandru Dorca, Dănuț Tokar, Alexandru Filipovici, A general review on night ventilation systems used to reduce energy consumption in buildings, Revista Română de Inginerie Civilă, vol. 16, Nr. 3, pp. 292-298, ISSN 2068-3987, Editura Matrix, 2025 (DOI: [10.37789/rjce.2025.16.3.6](https://doi.org/10.37789/rjce.2025.16.3.6)).
- (6) Alexandru Dorca, **Adriana Tokar**, Marius Adam, Dănuț Tokar, Daniel Muntean, Daniel Bisorca, Calin Sebarchievici, Tracking the performance of an air-to-water heat pump over time for a residential house located in a hilly area with low outdoor temperature, Revista Română de Inginerie Civilă, vol. 16, Nr. 3, pp. 262-269, ISSN 2068-3987, Editura Matrix, 2025 (DOI: [10.37789/rjce.2025.16.3.3](https://doi.org/10.37789/rjce.2025.16.3.3)).
- (7) Adrian Mihai, **Adriana Tokar**, Retrofit of refrigeration installations with low GWP refrigerants, Revista Română de Inginerie Civilă, vol. 16, Nr. 3, pp. 326-339, ISSN 2068-3987, Editura Matrix, 2025 (DOI: [10.37789/rjce.2025.16.3.10](https://doi.org/10.37789/rjce.2025.16.3.10)).
- (8) Alexandru Dorca, **Adriana Tokar**, Marius Adam, Dănuț Tokar, Daniel Muntean, A comparative evaluation of heating systems performance, Revista Română de Inginerie Civilă, vol. 15, Nr. 4, pp. 405-410, ISSN 2068-3987, Editura Matrix, 2024.
- (9) Cristian Păcurar, **Adriana Tokar**, Marius Adam, Key factors to have a good sleep quality in bedrooms, Revista Română de Inginerie Civilă, vol. 15, Nr. 3, pp. 390-395, ISSN 2068-3987, Editura Matrix, 2024.
- (10) Marius Adam, **Adriana Tokar**, Alexandru Dorca, Dănuț Tokar, Alexandru Filipovici, Experimental measurements and analysis of the parameters that influence the consumption of electrical energy in HVAC Systems, Revista Română de Inginerie Civilă, vol. 15, Nr. 3, pp. 432-439, ISSN 2068-3987, Editura Matrix, 2024.
- (11) Daniel Bisorca, **Adriana Tokar**, Dănuț Tokar, Daniel Muntean, Challenges and advantages in recovering waste energy from flue gases from biomass, Revista Română de Inginerie Civilă, vol. 15, Nr. 3, pp. 484-486, ISSN 2068-3987, Editura Matrix, 2024.
- (12) **Adriana Tokar**, Daniel Bisorca, Daniel Muntean, Dănuț Tokar, Marius Adam, Cristian Păcurar, Alexandru Dorca, Andreea-Nicoleta Căinicianu, Considerations regarding the recovery of residual energy for the heating/cooling of buildings and the preparation of domestic hot water, Revista Română de Inginerie Civilă, vol. 15, Nr. 3, pp. 318-324, ISSN 2068-3987, Editura Matrix, 2024.
- (13) Dănuț Tokar, **Adriana Tokar**, Daniel Muntean, Daniel Bisorca, Alexandru Dorca, Optimization of wind energy conversion systems, Revista Română de Inginerie Civilă, vol. 15, Nr. 3, pp. 325-333, ISSN 2068-3987, Editura Matrix, 2024.

- (14) Daniel Muntean, Dănuț Tokar, **Adriana Tokar**, Daniel Bisorca, Alexandru Dorca, Solutions for the energy efficiency of buildings located near watercourses through SRE integration. Case Study, *Revista Română de Inginerie Civilă*, vol. 15, Nr. 3, pp. 311-317, ISSN 2068-3987, Editura Matrix, 2024.
- (15) Alexandru Dorca, Dănuț Tokar, **Adriana Tokar**, Daniel Muntean, Simona Popa-Albu, The Integration of Air-Water Heat Pumps in Existing Office Buildings. Case Study, *Revista Română de Inginerie Civilă*, vol. 15, Nr. 1, pp. 42-50, ISSN 2068-3987, Editura Matrix, 2024.
- (16) Daniel Muntean, **Adriana Tokar**, Dănuț Tokar, Alexandru Dorca, Modernization of the District Heating System in Timisoara Through the Integration of RES in Heat Points. Case Study, *Revista Română de Inginerie Civilă*, vol. 15, Nr. 1, pp. 98-104, ISSN 2068-3987, Editura Matrix, 2024.
- (17) Alexandru Dorca, Marius Adam, Dănuț Tokar, **Adriana Tokar**, Daniel Muntean, Thermal modules for apartments: an efficient solution for heating and domestic hot water, *Revista Română de Inginerie Civilă*, vol. 15, Nr. 2, pp. 145-151, ISSN 2068-3987, Editura Matrix, 2024.
- (18) Marius Adam, **Adriana Tokar**, Alexandru Dorca, Dănuț Tokar, Daniel Muntean, Vera Guțul, Solutions for optimizing the operation of energy recovery in ventilation systems, *Revista Română de Inginerie Civilă*, vol. 15, Nr. 2, pp. 123-132, ISSN 2068-3987, Editura Matrix, 2024.
- (19) Adrian Mihai, **Adriana Tokar**, Mihai Cinca, Daniel Muntean, *Comparative Study between the Operation of Refrigeration Installations with Refrigerants R134A and R471A for a Refrigerated Warehouse. Case Study*, *Hidraulica Magazine - Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics*, ISSN 1453 – 7303, No. 4/2023, pag. 65-71, 2023.
- (20) **Adriana Tokar**, Daniel Muntean, Dănuț Tokar, *Case Study on Reducing Potable Water in Residential Buildings by Implementing Rainwater Storage Systems*, *Hidraulica Magazine - Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics*, ISSN 1453 – 7303, No. 3/2023, pag. 14-21, 2023.
- (21) Adrian Mihai, **Adriana Tokar**, Mihai Cinca, Daniel Muntean, *Energy Efficient Refrigeration Solutions*, *Hidraulica Magazine - Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics*, ISSN 1453 – 7303, No. 3/2023, pag. 44-49, 2023.
- (22) Daniel Muntean, Matei Mirza, **Adriana Tokar**, Danut Tokar, *Modernization of the heat supply system of the university of agricultural sciences and Veterinary Medicine of Banat, from Timisoara*, AIP Conference Proceedings, Vol. 2928 Issue 1, pp. 070013-1- 070013-1, 2023.
- (23) Tokar Danut, **Tokar Adriana**, Muntean Daniel, Visan Alin, *The impact of environmental conditions on the performance of polycrystalline photovoltaic panels*, AIP Conference Proceedings, Vol. 2928 Issue 1, pp. 070021-1- 070021-1, 2023.
- (24) **Tokar Adriana**, Toropoc Mirela, Muntean Daniel, Tokar Danut, Popa-Albu Simona, *Proposals for the separation of inorganic components from technological wastewater in order to reduce landfills*, AIP Conference Proceedings, Vol. 2928 Issue 1, pp. 090007-1- 090007-1, 2023.
- (25) Cătălin Dragotă, **Adriana Tokar**, Alexandra Rusen, *Power Supply Insurance Solutions for Fire Protection*, *Revista Română de Inginerie Civilă*, vol. 14, Nr. 4, pp. 352-357, ISSN 2068-3987, Editura Matrix, 2023.
- (26) Cristian Păcurar, **Adriana Tokar**, Marius Adam, *Indoor Climate Influence Related Human Performance. Case Study*, *Revista Română de Inginerie Civilă*, vol. 14, Nr. 4, pp. 348-351, ISSN 2068-3987, Editura Matrix, 2023.
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