

## Lista lucrărilor științifice

A. Lista celor maximum 10 lucrări considerate a fi cele mai relevante:

1. Chereches, Ioan Aurel, Iulia Diana Arion, Iulia C. Muresan, and Ferenc Gaspar. 2023. "Study of the Effects of the COVID-19 Pandemic on Air Quality: A Case Study in Cluj-Napoca, Romania" *Sustainability* 15, no. 3: 2549. <https://doi.org/10.3390/su15032549>
2. Mariasiu, Florin, Ioan Aurel Chereches, and Horia Raboca. 2023. "Statistical Analysis of the Interdependence between the Technical and Functional Parameters of Electric Vehicles in the European Market" *Energies* 16, no. 7: 2974. <https://doi.org/10.3390/en16072974>
3. Muresan, Iulia C., Rezhen Harun, Felix H. Arion, Anca Monica Brata, Ioan Aurel Chereches, Gabriela O. Chiciudean, Diana E. Dumitras, Camelia F. Oroian, and Olivia Paula Tirpe. 2021. "Consumers' Attitude towards Sustainable Food Consumption during the COVID-19 Pandemic in Romania" *Agriculture* 11, no. 11: 1050. <https://doi.org/10.3390/agriculture11111050>
4. Chereches, I.A.; Petean, I.; Paltinean, G.A.; Mocanu, A.; Muresan, L.; Arghir, G.; Tomoiaga-Cotisel, M. Airborne Particles pollution in Dej City. *Stud. UBB Chem.* 2018, 63, 159–166
5. Rusu, T.; Duda, B.M.; Moraru, P.I.; Bogdan, I.; Szajdak, L.W.; Pop, A.L. Maxim, M.A.; Chereches, I.A.; AGROTECHNICAL CHARACTERIZATION OF LANDS FROM THE SOMESAN PLATEAU FOR AGRICULTURAL SUSTAINABILITY, ", SCIENTIFIC PAPERS-SERIES A-AGRONOMY, UNIV AGRICULTURAL SCIENCES & VETERINARY MEDICINE BUCHAREST Volume 62, 155-165, 2019
6. Rusu, T.; Bogdan, I.; Szajdak, L.W.; Moraru, P.I.; Pop, A.I.; Andriuca, V.; Cojocaru, O.; Chereches, I.A.; Fitiu, A.; Pop, H. "EVOLUTION OF THERMAL AND HYDRIC REGIME OF SOILS FROM THE TRANSILVANIAN PLAIN DURING 2008-2014", SCIENTIFIC PAPERS-SERIES A-AGRONOMY, UNIV AGRICULTURAL SCIENCES & VETERINARY MEDICINE BUCHAREST Volume 60, 150-160, 2017
7. Mocan, B.; Fulea, M.; Murar, M.; Chereches, I.A.; Marian, S.; ROBOTIC CELL CUSTOMIZATION USING AUGMENTED REALITY, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, TECHNICAL UNIV CLUJ-NAPOCA, FAC MACHINE BUILDING DEPT SYSTEMS ENG, Volume 64, 4, 725-732, 2021
8. Chereches, I.A.; Dudescu, C.; Lakatos, G.D.; Vidican, I.; Bejan, M.; State of stress determination in a water drinker by numerical and experimental methods, KEY ENGINEERING MATERIALS, TRANS TECH PUBLICATIONS LTD, Volume 601, DOI10.4028/www.scientific.net/KEM.601.45, 2014
9. Cherecheș, I.A.; Borzan, A.I.; Băldean, D.L.; Contribution of developing advanced engineering methods in interdisciplinary studying the piston rings from 1.6 spark ignited Ford engine at Technical University of Cluj-Napoca, INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING - MOBILITY ENGINEERING AND ENVIRONMENT (CAR2017), IOP Conference Series-Materials Science and Engineering, Volume252, 2017, DOI10.1088/1757-899X/252/1/012072
10. Chereches, I.A.; Bejan, M.; DETERMINATION OF CASTING RESIDUAL STRESSES, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS

AND ENGINEERING, TECHNICAL UNIV CLUJ-NAPOCA, FAC MACHINE  
BUILDING DEPT SYSTEMS ENG, Vol. 55, Issue I, 2012

B. Teza de doctorat:

CONTRIBUȚII PRIVIND MODELAREA, OPTIMIZAREA ȘI CONSTRUCȚIA  
ADĂPĂTORILOR UTILIZATE ÎN ZOOTEHNIE – Universitatea Tehnică din Cluj-Napoca,  
2013

C. Brevete de invenție

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