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Gradul didactic: Conferențiar
Instituția unde este titular: Universitatea Tehnică din Cluj-Napoca
Facultatea: Inginerie Electrică
Departamentul: Electroenergetică și Management

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

„Influența implementării sistemelor de management de mediu asupra componentelor organizaționale”

Conducător științific : Prof.dr.ing. NISTOR Răzvan Liviu

Domeniul Științe Economice

Universitatea Babeș-Bolyai Cluj-Napoca

Susținere publică: 25.09.2014

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

CĂRȚI

1. **Cîrstea, Ș.**, (2015), *Sisteme de management de mediu. Influențe și implementare facilă în organizații*, Editura EFES, Cluj-Napoca, ISBN: 978-606-526-198-3, 325.
2. Burnete, N., Stan, O., **Cîrstea, Ș.**, Șteț, D., (2022), *Tendințe și evoluții emergente în universitățile tehnice*, Editura UTPRESS, Cluj-Napoca, ISBN: 978-606-737-615-9.
3. Șteț, D., Ceclan, A., **Cîrstea, Ș.**, Czumbil, L., Mureșan, C., Farkas, T., Briscan, R., (2024), *Tranziție energetică spre neutralitate climatică: Noțiuni de eficiență energetică*, Editura UTPRESS, Cluj-Napoca, ISBN: 978-606-737-712-5.
4. Constantinescu-Dobra, A., Anastasiu, L., Bodi, Ș., Câmpean, E. M., **Cîrstea, Ș.**, Coțiu, M. A., Lobonțiu, G., & Maier, V. (2025). *De la idee la afacere: Drumul antreprenorial al unui inginer*. Cluj-Napoca: Editura UT PRESS. ISBN 978-606-737-783-5.
5. Constantinescu-Dobra, A., Maier, V., Lobonțiu, G., Anastasiu, L., Coțiu, M. A., **Cîrstea, Ș.**, Bodi, Ș., Câmpean, E. M., Meza, Ș., Sechel, I., & Vele, C.-L. (2025). *Metode antreprenoriale pentru domeniul tehnic: Managementul creșterii unei firme mici*. Editura UT PRESS.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

c1) Articole / studii publicate la conferințe indexate sau în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

1. Iancu, I.A.; Hendrick, P.; Micu, D.D.; **Cîrstea, S.D.** The Demand for Energy Imports from Non-Renewable Resources in EU-27 Economy. *Energies* 2023. 16(13), 5177. WOS:001031051800001

2. Iancu, IA; Hendrick, P.; Micu, D.D.; Stet, D.; Czumbil, L.; **Cirstea, S.D.** The Influence of Cultural Factors on Choosing Low-Emission Passenger Cars. *Sustainability* 2023. 15(8), 6848. WOS:000984041500001
3. Muresan, C; Darabant, L; Stet, D; **Cirstea, S**; Czumbil, L; Ceclan, A; Farkas, T; Polycarpou, A; Micu, DD. The impact assessment of an energy efficiency focused course implementation in electrical engineering undergraduate students' curricula, 2022 57TH INTERNATIONAL UNIVERSITIES POWER ENGINEERING CONFERENCE (UPEC 2022): BIG DATA AND SMART GRIDS, WOS:000886926200095
4. Mureșan C.M., Șteț D., **Cirstea, S.**, Czumbil L., Integrated Approach in Designing Photovoltaic Power Plant, 9th International Conference on Modern Power Systems (MPS), ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, 2021, WOS:000941563300100
5. Iancu, I.A., Darab, P.C., **Cirstea, S.D.** The Effect of the COVID-19 Pandemic on the Electricity Consumption in Romania. *Energies* 2021, 14(11), 3146. WOS: 000659819900001
6. D. Șteț, L. Czumbil, A. Ceclan, Ș. Cîrstea, A. Mureșan, D. Jurj, C. Mureșan, T. Farkas, L. Dărăbant, M. Crețu, D.D. Micu, G.K. Papagiannis, Educational and Training Program to Increase SME's Energy Efficiency Skills, 56th International Universities Power Engineering Conference (UPEC), 2021, WOS:000723608400112
7. Darab, C., Turcu, A., Beleiu, H., Pavel, S., Birou, I., Micu, D., Ungureanu, S., **Cîrstea, S.D.** Hybrid Load Forecasting Using Gaussian Process Regression and Novel Residual Prediction. *Applied Sciences* 2020, 10(13), 4588. WOS:000552300000001
8. **Cîrstea, S.D.**; Cîrstea, A.; Popa, I.E.; Radu, G. THE ROLE OF BIOENERGY IN TRANSITION TO A SUSTAINABLE BIOECONOMY - STUDY ON EU COUNTRIES. *Amfiteatrul Economic* 2019, 21(50), p. 75-89. WOS:000456190000006.
9. **Cîrstea, S.D.**; TIRON-TUDOR, A.; NISTOR, R.L.; CIRSTEA, A.; FULOP, M.T. RENEWABLE ENERGY AND ECONOMIC DEVELOPMENT 'DISTANCES' IN EASTERN EUROPE. *Journal of Environmental Protection and Ecology* 2019, 20(1), 254–264. WOS: 000463406800029.
10. **Cîrstea, S.D.**; Moldovan-Teseliș, C.; Cîrstea, A.; Turcu, A.C.; Darab, C.P. EVALUATING RENEWABLE ENERGY SUSTAINABILITY BY COMPOSITE INDEX. *Sustainability* 2018, 10, 811. WOS:000428567100238;
11. **Cîrstea, S.D.**; Martis, C.S.; Cîrstea, A.; Constantinescu-Dobra, A.; Fulop, M.T. CURRENT SITUATION AND FUTURE PERSPECTIVES OF THE ROMANIAN RENEWABLE ENERGY. *Energies* 2018, 11(12), 3289. WOS:000455358300050;
12. Iancu, A.I., **Cîrstea, Ș.**, (2016), Promoting a Dental Practice on Facebook, *IFMBE Proceedings*, 59, p. 287-290, ISBN: 978-3-319-52875-5. WOS:000426009100060
13. **Cîrstea, Ș.**, Moldovan Teseliș, C., Iancu, A.I., (2016), Analysis of Factors that Influence OTC Purchasing Behavior, *IFMBE Proceedings*, 59, p. 303-308, ISBN: 978-3-319-52875-5. WOS:000426009100063
14. **Cîrstea, Ș.**, (2014), TRAVEL & TOURISM COMPETITIVENESS: A STUDY OF WORLD'S TOP ECONOMIC COMPETITIVE COUNTRIES, *Procedia Economics and Finance*, 15, p. 1273-1280. WOS:000357094000165

c2) Studii publicate la conferințe indexate în baze de date internaționale de referință

15. Dan Iudean, Calin Muresan, Rapolti Laszlo, **Stefan Cirstea**, Radu Adrian Munteanu. Policy framework and strategic priorities for shallow geothermal energy deployment in Romania: A pathway towards EU climate neutrality targets, *Advanced Power Systems (APS 2026)*, EPJ Web Conf., vol. 372, 2026, DOI: <https://doi.org/10.1051/epjconf/202637205005>

16. Denisa Stet, Veronica Maier, Levente Czumbil, Roxana Briscan, **Stefan Cirstea**. Bridging policy and practice: European legislative frameworks and user behaviour for the implementation of positive energy districts, *Advanced Power Systems (APS 2026)*, EPJ Web Conf., vol. 372, 2026, DOI: <https://doi.org/10.1051/epjconf/202637205006>
17. Ioana Ancuta Iancu; Patrick Hendrick; Dan Doru Micu; Denisa Stet; Levente Czumbil; Stefan Dragos Cirstea, Decreasing CO2 emissions from energy generation and consumption to achieve the Green Deal targets, *Proceedings of 2nd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED)*, October, 17-19, 2022, Salonic, Grecia, DOI: <https://doi.org/10.1109/SyNERGYMED55767.2022.9941445>
18. Ioana Ancuta Iancu*, Patrick Hendrick, Dan Doru Micu, Stefan Dragos Cirstea, The Relation between National Cultural Dimensions and Passenger Car Fleet in EU, *Sustainable Development of Energy Water and Environment Systems (SDEWES)*, May, 22-31, 2022, Vlore, Albania
19. Claudia Mureşan; Laura Dărabant; Denisa Şteţ; **Ştefan Cîrstea**; Levente Czumbil; Andrei Ceclan; Timea Farkas; et all, The impact assessment of an energy efficiency focused course implementation in electrical engineering undergraduate students curricula, *Proceedings of 57th International Universities Power Engineering Conference (UPEC)*, 30 August 2022 - 02 September 2022, Istanbul, Turkey, DOI: <https://doi.org/10.1109/UPEC55022.2022.9917924>
20. Stet, D., Czumbil, L., Ceclan, A., **Cîrstea, Ş.**, Muresan, A., Jurj, D., Muresan, C., Farkas, T., Darabant, L., Cretu, M., Micu, D.D., Papagiannis, G.K. Educational and Training Program to Increase SME's Energy Efficiency Skills. *56th International Universities Power Engineering Conference (UPEC)*, 2021, pp. 1-6, doi: 10.1109/UPEC50034.2021.9548263.
21. Mureşan, C., Şteţ, D., **Cîrstea, S.**, Czumbil, L. Integrated approach in designing photovoltaic power plant. *9th International Conference on Modern Power Systems (MPS)*, 2021, pp. 1-5, doi: 10.1109/MPS52805.2021.9492703.
22. **Cîrstea, Ş.**, Cîrstea, A., (2015), EVOLUTIVE TRENDS OF ISO 14001 IN EUROPEAN UNION, *Management Intercultural*, 17(33), p. 45-52, ISSN-L: 1454-9980.
23. Cîrstea, A., **Cîrstea, Ş.**, (2015), CONSOLIDATED FINANCIAL STATEMENTS – A NEW REPORTING PRACTICE IN THE PUBLIC SECTOR, *Management Intercultural*, 17(33), p. 53-60, ISSN-L: 1454-9980.
24. Cîrstea, A, **Cîrstea, Ş**, Mârza, B, (2015), CONSOLIDATED FINANCIAL STATEMENTS– IPSAS VS IFRS, *Revista Economica*, 67(2), p.190-198, ISSN:1582-6260.
25. Cîrstea, A., **Cîrstea, Ş.**, (2015), SIMILARITY OR DISSIMILARITY BETWEEN PUBLIC AND PRIVATE SECTOR STANDARDS REGARDING CONSOLIDATED REPORTING?, *Annals of the „Constantin Brâncuşi” University of Târgu Jiu, Economy Series*, 4, p. 48-52, ISSN 2344-3685, ISSN-L 1844-7007.
26. **Cîrstea, Ş.**, (2015), WHY RESTAURANTS SHOULD GO GREEN? – MAIN ENVIRONMENTAL PRACTICES IN RESTAURANTS INDUSTRY, *Management Intercultural*, XVII, 2(34), p. 331-338, ISSN-L: 1454-9980.
27. **Cîrstea, Ş.**, Mârza, B., (2015), CAN ENVIRONMENTAL ACTIVITIES INFLUENCE COMMERCIAL OR SOCIAL ACTIVITIES OF AN ORGANIZATION?, *Revista Economica*, 67(6), p. 100-126, ISSN: 1582-6260
28. **Cîrstea, Ş.**, (2015), ELECTRIC VEHICULE – A NEW DIRECTION FOR SOCIO-ECONOMIC DEVELOPMENT, *Annals of the „Constantin Brâncuşi” University of Târgu Jiu, Economy Series*, 5, p. 54-59, ISSN 2344-3685.

29. **Cîrstea, Ș.**, Cîrstea, A., (2015), ECONOMIC AND SOCIAL IMPORTANCE OF TOURISM, *Management Intercultural*, XVII, 2(34), p. 427–432, ISSN-L: 1454-9980.
30. Cîrstea, A., **Cîrstea, Ș.**, (2015), A BRIEF ANALYSIS OF PUBLIC SECTOR CONSOLIDATED FINANCIAL STATEMENTS RESEARCHES, *Annals of the „Constantin Brâncuși” University of Târgu Jiu, Economy Series*, 6, p. 93-99, ISSN 2344-3685.
31. **Cîrstea, Ș.**, (2015), SOCIO-ECONOMIC IMPACT OF WIND TURBINES IMPLEMENTATION, *Annals of the „Constantin Brâncuși” University of Târgu Jiu, Economy Series*, 6, p. 145-151, ISSN 2344-3685 .
32. **Cîrstea, Ș.**, (2013), ETHICAL ASPECTS OF ENVIRONMENTAL MANAGEMENT, *Annals of the University of Oradea : Economic Science* 07/2013, 22(1), p. 1443-1451; ISSN: 1222-569X, 1582-5450.

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

1. **Cîrstea, Ș.**, (2013), ENVIRONMENTAL HEALTH: HOW FAR IS ROMANIA FROM THE OTHER EU COUNTRIES? in *Managerial Challenges Of The Contemporary Society*, 5, Cluj-Napoca: Editura Risoprint, p. 64-69; ISSN: 2069-4229.
2. **Cîrstea, Ș.**, Nistor, R., (2015), THE EFFECTS OF EMS IMPLEMENTATION ON THE ORGANIZATION – A study on the Romanian premium hotel industry in *Managerial Challenges Of The Contemporary Society*, 8(2), p. 72-79, ISSN 2069 4229
3. **Cîrstea, Ș.**, (2013), ENVIRONMENTAL HEALTH: HOW FAR IS ROMANIA FROM THE OTHER EU COUNTRIES? in *Managerial Challenges Of The Contemporary Society*, 5, Cluj-Napoca: Editura Risoprint, p. 64-69; ISSN: 2069-4229.

E. Brevete obținute în întreaga activitate

1. -

Data:

Semnătura:

E – Brevete (pentru întreaga activitate)