

List of published articles (selective 2021-2025)

Professor Lucian-Ionel CIOCA, PhD, DHC

Articles indexed in Web of Science

Nr. crt.	
75.	Lakatos, G. D.; Albu (Druța), R. M.; Rhazzali, A. L.; Ferenci, S.; <i>Cioca, L. I.</i> ; Munteanu, R. A.; Szabó, L.; <i>The Role of Hydraulic Turbines in the Energy Transition: A Systematic Review of Methods for Evaluating and Optimizing Hydropower Plant Operation</i> , Processes, 14 (5), 841, 2026, factor de impact 2,80
74.	Rhazzali, A. L.; Lakatos, E. S.; Portik-Szabó, R.; Hossu, E. C.; <i>Cioca, L. I.</i> ; Moldovan, A.; <i>Sustainable Membrane Technologies for Enhancing Urban Climate Resilience</i> , Membranes, Volume 16, Issue 2, 2026, factor de impact 3,60/Q2
73.	Lakatos, E. S.; Rhazzali, A. L.; Pernice, U.; Panait, O. B.; Arion, F. H.; <i>Cioca, L. I.</i> ; <i>Integrating Emerging Digital Technologies into Circular Economy Practices</i> , Processes, Volume 14, Issue 3, 2026, factor de impact 2,80
72.	Badea, D. O.; Darabont, D. C.; <i>Cioca, L. I.</i> ; Coman, C.; Chis, T. V.; <i>Integrated Effects of Environmental and Classroom Noise on Attention and Learning in School-age Children</i> , Noise & Health, Volume 28, Issue 130, Page 33-46, 2026, impact factor 1,4
71.	Shi, X. J.; Li, X. F.; <i>Cioca, L. I.</i> ; Feraru, A.; <i>How do academic directors influence corporate digital transformation? An explanatory framework integrating motivation and ability</i> , Romanian Journal of Economic Forecasting, Volume 28, Issue 4, Page 113-126, 2025, factor de impact 1,0
70.	Rhazzali, A. L.; Lakatos, E. S.; Minea, G.; <i>Cioca, L. I.</i> ; Barnisca, M.; Ferenci, S.; Szabo, L.; Munteanu, R. A.; <i>Measuring Circular Economy Indicator in Hydropower Refurbishment</i> , Energies, Volume 18, Issue 22, 2025, IF 3,20
69.	Badea, D. O.; Darabont, D. C.; <i>Cioca, L. I.</i> ; Bejinariu, C.; Feraru, A.; Pruteanu, A. M.; <i>Sustainable Governance of Extreme Heat Risk in the Context of Occupational Safety and Health</i> , Sustainability, Volume 17, Issue 24, 2025, IF 3,30/Q2
68.	Lakatos, E. S.; Vatca, S. D.; <i>Cioca, L. I.</i> ; Rhazzali, A. L.; Kis, E.; Boinceanu, B.; Perciun, R.; <i>Standardized Metrics in Regenerative Agriculture for Climate Change Adaptation and Mitigation</i> , Agriculture-Basel, Volume 15, Issue 21, 2025, IF 3,60/Q1
67.	Birgovan, A. L.; Lakatos, E. S.; <i>Cioca, L. I.</i> ; Paul, N. L.; Vatca, S. D.; Kis, E.; Pacurariu, R. L.; <i>Harnessing Microbial Power for a Sustainable Future Food System</i> , Microorganisms, Volume 13, Issue 9, 2025, IF 4,20/Q2
66.	Milea, A.; Moraru, R. I.; Vladut, N. V.; <i>Cioca, L. I.</i> ; <i>Empirical validation of a new occupational risk assessment tool based on a risk matrix for small and medium-sized enterprises</i> , INMATEH-Agricultural Engineering, Volume 77, Issue 3, Page 1007-1021, 2025, IF 0,70
65.	Stoica, R. M.; Lakatos, E.S.; <i>Cioca, L.I.</i> ; <i>Stability and Antimicrobial Activity of Biosurfactant Produced by Pseudomonas Fluorescens ICCF 392 Strain Cultivated on Renewable Substrates</i> , Revue Roumaine de Chimie, Volume 70, Issue 7-8, Page 531-542, 2025, IF 0,60

64.	Druta, R. M.; Lakatos, E. S.; Munteanu, R. A.; <i>Cioca, L. I.</i> ; Ferenci, S.; Barnisca, M.; Puiac, A. V.; <i>Bridging the Gap in Renewable Energy Participation: A Case Study on Energy Communities</i> ; Processes, Volume 13, Issue 8, 2025, IF 2,8
63.	Minea, G.; Lakatos, E. S.; Druta, R. M.; Moldovan, A.; Lupu, L. M.; <i>Cioca, L. I.</i> ; <i>The Role of ESG in Driving Sustainable Innovation in Water Sector: From Gaps to Governance</i> ; Water, Volume 17, Issue 15, 2025, Impact factor 3 / Q2
62.	Cazac, A. M.; <i>Cioca, L. I.</i> ; Lazar, P.; Badarau, G.; Cimpoesu, N.; Burduhos-Nergis, D. P.; Iagaru, P.; Cimpoesu, R.; Cazac, A.; Bejinariu, C.; Milea, A.; <i>Effect of Zinc, Magnesium, and Manganese Phosphate Coatings on the Corrosion Behaviour of Steel</i> ; Materials, Volume 18, Issue 13, 2025, Impact factor 3,2 /Q2
61.	Nan, L. M.; Pacurariu, R. L.; Lakatos, E. S.; Bacali, L.; Hoinaru, R.; <i>Cioca, L. I.</i> ; <i>A Comprehensive Model of Green Brand Assessment in the IT Industry</i> ; Sustainability, Volume 17, Issue 3, 2025, Impact factor 3,3 / Q2
60.	Wang, D. L.; Shah, S. G. M.; <i>Cioca, L. I.</i> ; Abbas, J.; <i>Vigorous boards and cash hoarding: deriving moderating effects of green innovation, agency costs, and independent directors via moment quantile regression</i> ; Romanian Journal of Economic Forecasting, Volume 28, Issue 1, 2025, Impact factor 1;
59.	Milea (Pârvu), <i>Cioca, L. I.</i> ; <i>An Occupational Risk Analysis in the Bituminous Emulsion Transport and Spreading Process: A Case Study Applied in a Company in Romania</i> , Safety, 11(2):46, 2025
58.	Darabont, D. C.; <i>Cioca, L. I.</i> ; Badea, D. O.; <i>Digital Approaches for Mitigating Occupational Vibration Exposure in the Context of Industry 4.0</i> , Safety, 11 (2), 2025
57.	Milea (Pârvu), A.; Moraru, R. I.; <i>Cioca, L. I.</i> ; <i>Occupational Risk Management Through the Lens of the Sustainable Development Goals (SDGs): An Integrated Approach to Promoting Sustainability in the Workplace</i> , Sustainability, 17 (5), 2025
56.	Bunduc, C. S.; <i>Cioca, L. I.</i> ; Sandu, A. V.; Bejinariu, C.; <i>Materials Used for Personal Protective Equipment Fabrication: A Short Review</i> , Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 68, No. 2-3S, 2025, IF 0,2
55.	Chis, T. V.; <i>Cioca, L. I.</i> ; Badea, D. O.; Cristea, I.; Darabont, D. C.; Iordache, R. M.; Platon, S. N.; Trifu, A.; Barsan, V. A.; <i>Integrated Noise Management Strategies in Industrial Environments: A Framework for Occupational Safety, Health, and Productivity</i> , Sustainability, 2025, 17, 1181
54.	Vlăduț, N. V.; Atanasov, A.; Ungureanu, N.; Ivașcu, L. V.; <i>Cioca, L. I.</i> ; Popa, L. D.; Matei, G.; Boruz, S.; Cerempei, V.; Țîței, V.; Nenciu, F.; Milea, O. E.; Dumitru, S.; Caba, I.; <i>Trends in the development of conservation / ecological agriculture in the context of current climate change –A review</i> , INMATEH - Agricultural Engineering, Vol. 74, No. 3 / 2024
53.	Lakatos, E. S.; Pacurariu, R. L.; Bîrgovan, A. L.; <i>Cioca, L. I.</i> ; Szilagy, A.; Moldovan, A.; Rada, E. C.; <i>A Systematic Review of Living Labs in the Context of Sustainable Development with a Focus on Bioeconomy</i> , Earth, Volume 5, Issue 4, 812-843, 2024; impact factor 2,10; Q2
52.	Druta, R. M.; Munteanu, R. A.; Koval, V.; Kot, S.; <i>Cioca, L. I.</i> ; Rada, E. C.; Lakatos, E. S.; <i>A review of the adoption of green energy in households for sustainable development</i> , ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering Vol. 67, Issue IV, November, 2024
51.	Badea, D. O.; Darabont, D. C.; <i>Cioca, L. I.</i> ; Trifu, A.; Barsan, V. A.; <i>Blockchain technology for enhanced traceability and sustainability of personal protective equipment in romanian agriculture</i> , INMATEH - Agricultural Engineering, Volume 74, No. 3, 2024
50.	Cimpoesu, R.; Lutcanu, M.; Cazac, A. M.; Adomnitei, I.; Bejinariu, C.; Andrusca, L.; Prelipceanu, M.; <i>Cioca, L. I.</i> ; Chicet, D. L.; Radu, A. M.; Cimpoesu, N.; <i>Electrochemical Corrosion Resistance of Al₂O₃-YSZ Coatings on Steel Substrates</i> , Applied Sciences-Basel, Volume 14, Issue 23, 10877, 2024; impact factor 2,5, Q1

49.	Darabont, D. C.; <i>Cioca, L. I.</i> ; Bejinariu, C.; Badea, D. O.; Chivu, O. R.; Chis, T. V.; <i>Impact of Personal Protective Equipment Use on Stress and Psychological Well-Being Among Firefighters: Systematic Review and Meta-Analysis</i> , Sustainability, Volume 16, Issue 22, 9666, 2024; impact factor 3,30; Q2
48.	David, G. M.; Lakatos, E. S.; Bacali, L.; Lakatos, G. D.; Danu, B. A.; <i>Cioca, L. I.</i> ; Rada, E. C.; <i>Key Factors Influencing Consumer Choices in Wood-Based Recycled Products for Circular Construction Sector</i> , Sustainability, Volume 16, Issue 20, 8767, 2024; impact factor
47.	Wang, D. L.; Palomino, P. R.; <i>Cioca, L. I.</i> ; Shah, S. G. M.; <i>Analyzing the impact of CEO succession via hierarchical disturbance on firms growth life cycle: a moderating role of agency cost</i> , Romanian Journal of Economic Forecasting, Volume 27, Issue 1, Page 66-86, 2024
46.	Bădilă, M. I.; Bârsan, G.; <i>Cioca L. I.</i> ; <i>Model for the prediction of performance with ecoinnovation capability development criteria: a military logistic regression analysis</i> , Polish Journal of Management Studies, 2024, 29 (2), pp.87-120
45.	Boşcoianu, M.; Pop, S.; Iagăru, P.; <i>Cioca, L. I.</i> ; Iagăru, R.; Petre, I. M.; <i>An Innovative Management Framework for Smart Horticulture-The Integration of Hype Cycle Paradigm, Drones</i> , 2024, Volume 8, Issue 7
44.	Cimpoesu, N.; Paleu, V.; Panaghie, C.; Roman, A. M.; Cazac, A. M.; <i>Cioca, L. I.</i> ; Bejinariu, C.; Lupescu, S. C.; Axinte, M.; Popa, M.; Zegan, G.; <i>Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy</i> , Metals, 2024, Volume 14, Issue 7
43.	Shmygol, N.; Luczka, W.; Gavkalova, N.; Harbar, Z.; Koval, V.; <i>Cioca, L. I.</i> ; <i>Analysis and Management of Organic Agriculture Development in Eastern European Countries</i> ; INMATEH-Agricultural Engineering, Volume 72, Issue 1, Page 265-279, 2024, impact factor 0,7
42.	Hrinchenko, H.; Prokopenko, O.; Shmygol, N.; Koval, V.; Filipishyna, L.; Palii, S.; <i>Cioca, L. I.</i> ; <i>Sustainable Energy Safety Management Utilizing an Industry-Relative Assessment of Enterprise Equipment Technical Condition</i> , Sustainability, Volume 16, Issue 2, 771, 2024, impact factor 3,90 / Q2
41.	Gherman, I. E.; Lakatos, E. S.; Clinci, S. D.; Lungu, F.; Constandoiu, V. V.; <i>Cioca, L. I.</i> ; Rada, E. C.; <i>Circularity Outlines in the Construction and Demolition Waste Management: A Literature Review</i> , Recycling, Volume 8 Issue 5, 69, 2023, impact factor 4,3
40.	Bratu, M. L.; <i>Cioca, L. I.</i> ; Nerişanu, R. A.; Rotaru, M.; Pleşa, R.; <i>The expectations of generation Z regarding the university educational act in Romania: optimizing the didactic process by providing feedback</i> , Front. Psychol., 29 September 2023, Sec. Educational Psychology, Volume 14 - 2023 https://doi.org/10.3389/fpsyg.2023.1160046 , impact factor 3,80 / Q1
39.	<i>Cioca, L.-I.</i> ; Kot, S.; Bratu, M. L.; <i>Editorial: Optimizing the management system and ergonomics in organizations, appropriate to the personality of employees</i> , Frontiers in Psychology, 2023, 13, 1105192, impact factor 3,80 / Q1
38.	Ertz, M.; <i>Cioca, L.-I.</i> ; Martinez, L. F.; <i>Editorial: Highlights in environmental psychology: pro-environmental purchase intent</i> , Frontiers in Psychology, 2023, 14, 1268177, impact factor 3,80 / Q1
37.	Lakatos, E.S.; <i>Cioca, L. I.</i> ; Szilagyi, A.; Birgovan, A. L.; Rada, E. C.; <i>Smokers' Attitude and Behavior towards Cigarette Littering in Romania: A Survey-Based Approach</i> , Sustainability (Switzerland), 2023, 15(15), 11908, impact factor 3,90 / Q2
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35.	Stoica, R.M.; Moscovici, M.; Lakatos, E. S.; <i>Cioca, L. I.</i> ; <i>Exopolysaccharides of Fungal Origin: Properties and Pharmaceutical Applications</i> , Processes, 2023, 11(2), 335, impact factor 3,50 / Q2
34.	Karaeva, A.; Tolkou, A.; <i>Cioca, L.-I.</i> ; Lakatos, E.-S.; <i>Family ISO 14000 standards as a tool of achieving environmental sustainability of enterprises</i> , IOP Conference Series: Earth and

	Environmental Science, 2023, 1126(1), 012036
33.	Ali, Siti Nazilah Mat; <i>Cioca, Lucian-Ionel</i> ; Kayati, Ruhayah Sakinah; Saputra, Jumadil; Adam, Muhammad; Plesa, Roxana; Ibrahim, Raja Zirwatul Aida Raj; <i>A Study of Psychometric Instruments and Constructs of Work-Related Stress among Seafarers: A Qualitative Approach</i> ; International Journal of Environmental Research and Public Health, Volume 20, Issue 46, February 2023, DOI 10.3390/ijerph20042866
32.	Iagaru, P.; Boscoianu, M.; <i>Cioca, L. I.</i> ; Petre, I. M.; Pop, S.; Sarbu, F. A.; Iagaru, R.; <i>Critical analysis of mini unmanned aerial vehicles (UAV) development capabilities and perspectives of effective integration in horticultural agroecosystems in Romania</i> , Scientific papers - Series Management Economic Engineering in Agriculture and Rural Development, Volume 23, Issue 1, Page 293-302, 2023, impact factor 1,4;
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30.	Lakatos, E. S.; Druta, R. M.; Szilagyi, A.; Birgovan, A. L.; <i>Cioca, L. I.</i> ; Vatca, S. D.; <i>An Exploratory Study on Implementing Circular Economy in Rural Family Businesses</i> , Circular Business Management in Sustainability, Page 1-14, DOI10.1007/978-3-031-23463-7 1, 2023
29.	Wang, S., Abbas, J., Sial, M.S., Alvarez-Otero, S., <i>Cioca, L.-I.</i> ; <i>Achieving green innovation and sustainable development goals through green knowledge management: Moderating role of organizational green culture</i> , Journal of Innovation and Knowledge, 2022, 7 (4), 100272, impact factor 18,10 / Q1
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27.	Lakatos, E. S.; <i>Cioca, L. I.</i> ; Szilagyi, A.; Vladu, M. G.; Stoica, R. M.; Moscovici, M.; <i>A Systematic Review on Biosurfactants Contribution to the Transition to a Circular Economy; Processes</i> , 2022, Volume 10, Issue 12, Article Number 2647, impact factor 3,50 / Q2
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17.	Kumari, K., Abbas, J., Hwang, J., <i>Cioca, L. I.</i> ; <i>Does Servant Leadership Promote Emotional Intelligence and Organizational Citizenship Behavior among Employees? A Structural Analysis</i> , Sustainability (Switzerland), 2022, 14 (9), 5231; impact factor 3,90 / Q2
16.	Bîrgovan, A. L.; Lakatos, E. S.; Szilagy, A.; <i>Cioca, L. I.</i> ; Pacurariu, R. L.; Ciobanu, G.; Rada, E. C.; <i>How Should We Measure? A Review of Circular Cities Indicators</i> ; International Journal of Environmental Research and Public Health, Volume 19, Issue 9, May 1, 2022, Article number 5177; impact factor 4,614; Q1
15.	Bîrgovan, A. L.; Vatca, S. D.; Bacali, L.; Szilagy, A.; Lakatos, E. S.; <i>Cioca, L. I.</i> ; Ciobanu, G.; <i>Enabling the Circular Economy Transition in Organizations: A Moderated Mediation Model</i> , International Journal of Environmental Research and Public Health, Volume 19, Issue 2, January-2, 2022, Article number 677, impact factor 4,614; Q1
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11.	Rehman, M. A.; Shah, S. G. M.; <i>Cioca, L. I.</i> ; Artene, A.; <i>Accentuating the Impacts of Political News on the Stock Price, Working Capital and Performance: An Empirical Review of Emerging Economy</i> , Romanian Journal of Economic Forecasting, Volume 24, Issue 2, 2021, impact factor 0,963
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7.	Zafar, M. Z.; Maqbool, A.; <i>Cioca, L. I.*</i> ; Shah, S.G.M.; Masud, S.; <i>Accentuating the Interrelation between Consumer Intention and Healthy Packaged Food Selection during COVID-19: A Case Study of Pakistan</i> , Int. J. Environ. Res. Public Health, 2021, 18 (6), 2846; impact factor 4,614; Q1
6.	Iticescu, C.; Georgescu, P.L.; Arseni, M.; Rosu, A.; Timofti, M.; Carp, G.; <i>Cioca, L.I.*</i> ; <i>Optimal Solutions for the Use of Sewage Sludge on Agricultural Lands</i> , Water, 2021, 13 (5), 585; impact factor 3,53; Q2
5.	<i>Cioca, L. I.</i> ; Breaz, R.E.; Racz, S. G.; <i>Selecting the safest CNC machining workshop using AHP and TOPSIS approaches</i> , Safety, 2021, 7 (2), 27

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3.	Bănăduc, D.; Curtean-Bănăduc, A.; Kevin Cianfaglione, K.; John Robert Akeroyd, J. R.; <i>Cioca, L. I.*</i> ; Proposed Environmental Risk Management Elements in a Carpathian Valley Basin, within the Roşia Montană European Historical Mining Area, Int. J. Environ. Res. Public Health 2021, 18 (9), 4565. https://doi.org/10.3390/ijerph18094565 , impact factor 4,614; Q1
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1.	<i>Cioca, L. I.</i> ; Bratu, M. L.; <i>Sustainability of Youth Careers in Romania—Study on the Correlation of Students' Personal Interests with the Selected University Field of Study</i> , Sustainability, 13 (1), 2021, impact factor 3,889; Q2