

MANAGEMENT RESEARCH CENTER FOR ORGANIZATIONAL SUSTAINABILITY

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Areas of expertise

Business and Management
New Marketing and Entrepreneurial Development Managerial Methods for Organizational Competitiveness

Team

Prof. Eng. Ec. Laura Bacali, Prof. Ec. Emilia Ciupan, Prof. Eng. Florin Lungu, Assoc. Prof. Ec. Monica Bogdan, Assoc. Prof. Roxana Cordos, Assoc. Prof. Eng. Daniel Filip, Assoc. Prof. Eng. Violeta Firescu, Assoc. Prof. Eng., Ec. Cristina Feniser, Assoc. Prof. Eng. Carmen Maria Muresan, Assoc. Prof. Eng. Calin Otel, Assoc. Prof. Eng., Ec. Adriana Sava, Assoc. Prof. Eng. Sorin Suteu, Assoc. Prof. Eng. Ec. Camelia Ucenic, Prof. Eng. Radu Vlad, Lect. Eng. Ec. Claudiu Ioan Abrudan, Lect. Eng. Gabriela Bacila, Lect. Eng. Dan Simion, Lect. Eng., Ec. Daniela Jucan, Lect. Eng. Remus Lungu.

Representative projects

Mathematics online learning model in engineering education
Proiect Structuration et accompagnement de l'Entrepreneuriat étudiant au Maghreb, SALEEM, funded by AUF, 2017-2021
Research and opportunity to regarding the activity expansion of in the North-Western area of Romania. Identification an IT solution for the management of enterprise resource planning (ERP system)

Significant results

1. Szilagyi, A., Cioca, L. I., **Bacali, L.**, Lakatos, E. S., Birgovan, A. L., Consumers in the circular economy: A path analysis of the underlying factors of purchasing behaviour, *International Journal of Environmental Research and Public Health*, 19(18), 11333, 2022.
2. Birgovan, A. L., Vatca S.D., **Bacali, L.**, Szilagyi, A., Lakatos, E. S., Cioca, L. I., Ciobanu Gh., Enabling the Circular Economy Transition in Organizations: A Moderated Mediation Model, *International Journal of Environmental Research and Public Health*, 19(2), 677, 2022.
3. Mustata I.C., **Bacali L.**, Bucur M., Ioanid A, Stefan A., The evolution of industry 4.0 and its potential impact on industrial engineering and management education, *Revue Romaine des Sciences Technique, Serie Electrotechnique et Energetique*, 67 (1), pag. 73-78, 2022.
4. **E. Ciupan**, C. Ciupan, E.-M. Câmpcean, L. Stelea, C.-E. Policsek, **F. Lungu**, **D.-C. Jucan**, Opportunities of Sustainable Development of the Industry of Upholstered Furniture in Romania. A Case Study. *Sustainability* ISSN 2071-1050, 10(9), 2018
5. Ciupan C., Steopan M., Pop E., Campean E., Filip I., **Ciupan E.**, Comparative analysis of different ribs used to rigidize the resistance structure of a sofa side made of composite materials based on vegetable fibers, *Acta Tehnica Napocensis, Applied Mathematics, Mechanics and Engineering*, Vol. 61, No. 1, Ian.2018
6. Ciupan C., Comsa D.-S., **Ciupan E.**, Simulating the Thermoforming Process of a Box for Upholstered Furniture, *Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering*, Vol 61, No 3, Special Issue, pp. 21-28, Sept.2018
7. Varga, V., **Lungu, F.**, Performance increasing researches in the value chain stages within the petroleum industry, *International Journal of Advanced and Applied Sciences*, nr. 7(12), Pages: 62-67, ISSN 2313-626X, E-ISSN: 2313 – 3724, 2020.

8. **Cristina Feișer**, Arik Sadeh, Javier Bilbao, **Florin Lungu**, Alina Solovăstru, Innovative Perceived Conduct of Industrial Firms, Acta Technica Napocensis, ISSN 1221-5872, ISSN (online) 2393-2988, Series: Applied Mathematics, Mechanics, and Engineering, Vol.61, Issue Special, September, 2018, pp. 65-68, 2018.
9. **Bogdan Monica și Sava Adriana**, Supply chain finance – a solution to improve business efficiency, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 61, issue IV, November 2018, pp. 625-630, 2018.
10. **Roxana Cordos**, Bogdan Blaga, Performance management and ethics in organizations, Proceedings of the 6th Review of Management and Economic Engineering International Management Conference, Ed. Todesco , ISSN 2247-8639, pag. 329-334, 2018.
11. **Daniel Filip**, Modern methods and tools to improve the production processes from small series and unique production, ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 61, nr. 4, 2018, 575-584, Dec 2018
12. **Daniel Filip**, Applying to the mathematical methods to optimize the launching process in manufacturing ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 61, nr. 4, 2018, 585-592, Dec 2018
13. Gaspar M., **Fireșcu V.**, New skills and qualifications required by the current approaches in the software development industry, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 61, Issue Special, September 2018, pp. 97-106, 2018
14. Javier Bilbao, **Cristina Feișer**, Olatz García, Carolina Rebollar, Eugenio Bravo, Concepción Varela, Management Applied Directly to University World: Chance to Empower Students INTED, 12th International Technology, Education and Development Conference, INTED, 5-7 March, 2018, Valencia, Spain, ISBN: 978-84-697-697-9480-7 ISSN: 2340-1079, Pp.: 5998 – 6001, 2018
15. **Cristina Feișer**, Javier Bilbao, Ken Brown, Eugenio Bravo Carolina Rebollar, Concepción Varela, Olatz, Is Flipped Classroom an Effective Model to Respond to the Training Requirements of Our Century s Engineering? EDULEARN, 10th International Conference on Education and New Learning Technologies, EDULEARN Palma, Spain. 2-4 July, 2018, Pp: 5024-5031
16. Arik Sadeh, Claudia Florina Radu, **Feișer Cristina**, Andrei Borșa, Governmental Intervention and Its Impact on Growth, Economic Development, and Technology in OECD Countries , Sustainability, 13(1), 166, 2021.
17. Paul Farcas, **Carmen Maria Muresan**, THE IMPORTANCE OF THE ARCHETYPAL TRAITS ON MILLENNIALS IN THE CONTEXT OF BRAND DIFFERENTIATION – A QUALITATIVE APPROACH, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, vol. 61, issue IV, November 2018, pp. 59-64, 2018
18. **Sava Adriana, Bogdan Monica și Kocsi Kinga**, Online disclosure of non-financial information in Romanian large companies, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering vol. 61, Issue Special, September 2018, pp. 203-208, 2018.
19. **Remus Lungu, Florin Lungu, Sorin Suteu**, Managerial practice facing the demands of religious morality. are the latter a limiting factor or a leading to performance one? Proceedings of the 6th Review of Management and Economic Engineering International Management Conference, Ed. Todesco , ISSN 2247-8639, 353-362, 2018.
20. **Radu Constantin Vlad**, An Integrated Planning and Scheduling Model for Wiring Systems Assembly, Acta Technica Napocensis, Vol. 61, no. 3, pag 263-270, 2018.
21. Emilia Campean, **Claudiu I. Abrudan**, s.a., Considerations on increasing the productivity of milling process using brain supragrams, Acta Technica Napocensis, Vol. 63, no. 3, pag 253-260, 2020.
22. **Carmen Gabriela Băcilă, Călin Ciprian Oțel**, An overview on the importance of sustainability and the environment, Proceedings of the 7th Review of Management and Economic Engineering International Management Conference „Management Challenges Within Globalization”, Ed. Todesco , ISSN 2247-8639, 590- 597, 17-19.09, 2020.
23. Adrian Pîslă, Raluca Dorina BAIDOC, Lorand Kacso-Vidrean, **Daniela Corina Jucan**, Factors In The Life Cycle Of Airport Activities, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, Vol. 61, nr. 4, Pag.753-762, Nov. 2018
24. Lorand Kacso-Vidrean, Raluca, Dorina Baidoc, **Daniela Corina Jucan**, Adrian PÎSLĂ, Dust Deposition Calculation For Pannels Robotized Cleaning And Maintenance, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, Vol. 61, nr. 4, Pag.701-710, Nov.2018.

The offer addressed to the economic environment

Research & development	Development of cooperation with other research groups Strategies for sustainability The elaboration and implementation of managerial systems which drive to performance on the three sustainability poles: long run economic performance, social and environmental performance Organizational development toward the learning organization
Consulting	Collaboration with the economic environment and other sectors of the social life for relevant topics regarding sustainability The transfer of the research results toward the end users, Support for start-ups and innovative spinoffs Market research, Business plan, Feasibility studies, Cost benefit analysis
Training	Training and research opportunities for PhD students Training and research opportunities for young researchers Training for economic environment Course :Integration of Management Systems, Change and Learning Organization, Communication Strategies, Cleaner Productionm, Corporative governance, Business simulation games

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