Anexa 2

Data 04.06.2025

Concurs pentru ocuparea postului de Asistent Universitar, poz. 77
Facultatea de Administrarea Afacerilor cu predare în limbi străine
Departamentul Administrarea Afacerilor, cu predare în limbi străine (Catedra UNESCO)
Disciplinele: Cultură antreprenorială (engleză), Modele de afaceri (engleză), Transformarea digitală a afacerii (engleză), Strategii de afaceri (engleză)
Domeniul: Administrarea Afacerilor
post publicat în Monitorul Oficial al României nr. 93 din 10.04.2025

L I S T A D E L U C R Ă R I

Candidat: Băroiu Alexandru - Costin **- Dr./**din **,** Cadru Didactic Asociat – Asistent Universitar /din

(NUME, iniţială şi prenume) **(anul)** **(Titlul didactic/echiv.)** **(anul)**

1. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar şi care se pot regăsi și în celelalte categorii de lucrări din prezenta listă de lucrări:

1. Bâra, Adela; Oprea, Simona-Vasilica; **BĂROIU, Alexandru - Costin** – *Forecasting the Spot Market Electricity Price with a Long Short-Term Memory Model Architecture in a Disruptive Economic and Geopolitical Context*, International Journal of Computational Intelligence Systems, Vol.16, Nr.1, 2023, pg. 130. https://doi.org/10.1007/s44196-023-00309-3
2. **BĂROIU, Alexandru - Costin**; Diaconita, Vlad; Oprea, Simona Vasilica – *Bitcoin volatility in bull vs. bear market—insights from analyzing on-chain metrics and Twitter posts*, PeerJ Computer Science, Vol.9, 2023. https://doi.org/10.7717/peerj-cs.1750
3. **BĂROIU, Alexandru - Costin**; Bâra, Adela – *A Descriptive–Predictive–Prescriptive Framework for the Social-Media–Cryptocurrencies Relationship*, Electronics, Vol.13, Nr.7, 2024, pg. 1277. https://doi.org/10.3390/electronics13071277
4. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *Automatic Sarcasm Detection: Systematic Literature Review*, Information, Vol.13, Nr.8, 2022, pg. 399. ISSN: 2078-2489. https://doi.org/10.3390/info13080399
5. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *Comparison of Deep Learning Models for Automatic Detection of Sarcasm Context on the MUStARD Dataset*, Electronics, Vol.12, Nr.3, 2023, pg. 666. ISSN: 2079-9292. https://doi.org/10.3390/electronics12030666
6. **BĂROIU, Alexandru - Costin**; Ene, Gabriela Dobrita – *Twitter Sentiment and Bitcoin Price–Is there a connection?*, 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), 2022, pg. 258–262. doi: 10.1109/ICSTCC55426.2022.9931814.
7. Dobriţa, Gabriela; Bâra, Adela; Oprea, Simona-Vasilica; **BĂROIU, Alexandru - Costin**; Barbu, Dragos-Catalin – *Mobility, COVID-19 cases and virus reproduction rate data analysis for Romania using Machine Learning Algorithms*, 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), 2022, pg. 244–251. doi: 10.1109/ICSTCC55426.2022.9931806.
8. **BĂROIU, Alexandru – Costin** - *Quantitative Analysis of the Romanian Private Security Market. A Machine Learning Approach*, International Conference on Business Excellence, 2022 https://doi.org/10.1007/978-3-031-19886-1_1
9. **BĂROIU, Alexandru - Costin**; Trăuşan-Matu, Ştefan – *How capable are state-of-the-art language models to cope with sarcasm?*, 2023 24th International Conference on Control Systems and Computer Science (CSCS), 2023, pg. 399–402. doi: 10.1109/CSCS59211.2023.00069.
10. **BĂROIU, Alexandru - Costin**; Ştefan, Trăuşan Matu – *ChatGPT vs Sarcasm–How Well do State of the Art Language Models Handle Sarcasm?*, 2023 9th International Conference on Control, Decision and Information Technologies (CoDIT), 2023, pg. 1092–1097. doi: 10.1109/CoDIT58514.2023.10284171.

2. Tezele de doctorat
T1.Sarcasm and Artifical Intelligence – Match made in Heaven or Hell? (2024), National University of Science and Technology POLITEHNICA Bucharest
T2. Blockchain, Social Media & Inteligența Artificială: Revoluția tehnologică și financiară a secolului XXI (2025), Academia de Studii Economice din București

Brevete de invenție și alte titluri de proprietate intelectuală

3. Cărţi/cursuri publicate în edituri recunoscute(Ca1, Ca2 etc.), îndrumare publicate(I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuţii a dezvoltarea activităţilor didactice/profesionale.

4. Cărţi de specialitate publicate în edituri recunoscute(Cb1, Cb2 etc.), **articole/studii** publicate <u>in extenso</u> în reviste de specialitate de circulaţie internaţională recunoscute (reviste cotate ISI sau indexate în baze de date internaţionale specifice domeniului)(Ri1, Ri2etc.), **articole/studii** <u>in extenso</u> publicate în volumele unor manifestări ştiinţifice internaţionale

recunoscute din ţară şi din străinătate (cu ISSN/ ISBN)(Vi1,Vi2 etc.), precum şi **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulaţie naţională recunoscute CNCSIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări ştiinţifice naţionale (cu ISSN/ISBN)(Vn1,Vn2 etc.), lucrări prezentate la diferite seminarii/expoziţii, inovaţii etc.(E1, E2 etc.), după caz, prin care se aduc contribuţii la dezvoltarea *domeniului*.

4.1 Monografii/cărţi de specialitate/manuale/tratate:
Cb1. **BĂROIU, Alexandru - Costin** – *Quantitative Analysis of the Romanian Private Security Market. A Machine Learning Approach*, *Digital Economy and the Green Revolution*, Vol.1, 2023. ISBN 978-3-031-19886-1

4.2 Articole/studii de specialitate publicate în reviste recunoscute din ţară şi/sau străinătate:
Ri1. **BĂROIU, Alexandru - Costin**; Bâra, Adela – *A Descriptive–Predictive–Prescriptive Framework for the Social-Media–Cryptocurrencies Relationship*, *Electronics*, Vol.13, Nr.7, 2024, pg. 1277. https://doi.org/10.3390/electronics13071277
Ri2. Bâra, Adela; Oprea, Simona-Vasilica; Băroiu, **BĂROIU, Alexandru - Costin** – *Forecasting the Spot Market Electricity Price with a Long Short-Term Memory Model Architecture in a Disruptive Economic and Geopolitical Context*, *International Journal of Computational Intelligence Systems*, Vol.16, Nr.1, 2023, pg. 130. https://doi.org/10.1007/s44196-023-00309-3
Ri3. **BĂROIU, Alexandru - Costin**; Diaconita, Vlad; Oprea, Simona Vasilica – *Bitcoin volatility in bull vs. bear market—insights from analyzing on-chain metrics and Twitter posts*, *PeerJ Computer Science*, Vol.9, 2023. https://doi.org/10.7717/peerj-cs.1750
Ri4. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *Comparison of Deep Learning Models for Automatic Detection of Sarcasm Context on the MUStARD Dataset*, *Electronics*, Vol.12, Nr.3, 2023, pg. 666. ISSN: 2079-9292. https://doi.org/10.3390/electronics12030666
Ri5. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *Automatic Sarcasm Detection: Systematic Literature Review*, *Information*, Vol.13, Nr.8, 2022, pg. 399. ISSN: 2078-2489. https://doi.org/10.3390/info13080399

4.3 Studii/capitole publicate în volume colective sau volumele unor conferinţe publicate la o editură din ţară sau străinătate:
Vi1. **BĂROIU, Alexandru - Costin**; Trăuşan-Matu, Ştefan – *How capable are state-of-the-art language models to cope with sarcasm?*, 2023 24th International Conference on Control Systems and Computer Science (CSCS), 2023, pg. 399–402. doi: 10.1109/CSCS59211.2023.00069.
Vi2. **BĂROIU, Alexandru - Costin**; Ștefan, Trăușan Matu – *ChatGPT vs Sarcasm–How Well do State of the Art Language Models Handle Sarcasm?*, 2023 9th International Conference on Control, Decision and Information Technologies (CoDIT), 2023, pg. 1092–1097. doi: 10.1109/CoDIT58514.2023.10284171.
Data
Vi3. Lucia – Cristina FARKAŞ and **BĂROIU, Alexandru - Costin** (2022)," Systematic Literature Review of Process Management Maturity and Management Processes Maturity", Journal of Software & Systems Development, Vol. 2022 (2022), DOI: 10.5171/2022.435363
Vi4. **BĂROIU, Alexandru - Costin**; Ene, Gabriela Dobrita – *Twitter Sentiment and Bitcoin Price–Is there a connection?*, 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), 2022, pg. 258–262. doi: 10.1109/ICSTCC55426.2022.9931814.
Vi5. Dobriţa, Gabriela; Bâra, Adela; Oprea, Simona-Vasilica; **BĂROIU, Alexandru - Costin**; Barbu, Dragos-Catalin – *Mobility, COVID-19 cases and virus reproduction rate data analysis for Romania using Machine Learning Algorithms*, 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), 2022, pg. 244–251. doi: 10.1109/ICSTCC55426.2022.9931806.
Vi6. **BĂROIU, Alexandru - Costin** – *Quantitative Analysis of the Romanian Private Security Market. A Machine Learning Approach*, International Conference on Business Excellence, 2022 https://doi.org/10.1007/978-3-031-19886-1_1
Vi7. Farkas, Lucia - Cristina; **BĂROIU, Alexandru - Costin** – *Process Management Maturity versus Management Processes Maturity. A Machine Learning Approach*, 37th IBIMA Conference, 2021. ISSN 2166-0824. Accessed at: https://ibima.org/accepted-paper/process-management-maturity-versus-management-processes-maturity-a-machine-learning-approach/

5. Citări ale lucrărilor publicate: referinţa bibliografică a lucrării citate(Ci1, Ci2) şi referinţa / ele bibliografică / e a / ale lucrării care citează (Ci1.1, Ci1.2...., Ci2.1, Ci2.2, etc.)
Ci1. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *Automatic Sarcasm Detection: Systematic Literature Review*, *Information*, Vol.13, Nr.8, 2022, pg. 399. ISSN: 2078-2489. https://doi.org/10.3390/info13080399

Ci1.1 Fenerci, C., Cheng, Z., Addis, D. R., Bellana, B., & Sheldon, S. (2025). Studying memory narratives with natural language processing. Trends in Cognitive Sciences.

Ci1.2 Šandor, D., & Babac, M. B. (2023). Sarcasm detection in online comments using machine learning. Information Discovery and Delivery, 52(2), 213-226.

Ci1.3 Alqahtani, A., Alhenaki, L., & Alsheddi, A. (2023). Text-based sarcasm detection on social networks: A systematic review. International Journal of Advanced Computer Science and Applications, 14(3).

Ci1.4 Băroiu, A. C., & Trăușan-Matu, Ș. (2023). Comparison of deep learning models for automatic detection of sarcasm context on the MUStARD dataset. Electronics, 12(3), 666.

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Ci1.8 Assiri, F., & Himdi, H. (2023). Comprehensive Study of Arabic Satirical Article Classification. Applied Sciences, 13(19), 10616.

Ci1.9 Cárdenas, P., García, J., Begazo, R., Aguilera, A., Dongo, I., & Cardinale, Y. (2024). Evaluation of Robot Emotion Expressions for Human–Robot Interaction. International Journal of Social Robotics, 16(9), 2019-2041.

Ci1.10 Băroiu, A. C., & Trăuşan-Matu, Ş. (2023, May). How capable are state-of-the-art language models to cope with sarcasm?. In 2023 24th International Conference on Control Systems and Computer Science (CSCS) (pp. 399-402). IEEE.

Ci1.11 Sami, A., Malik, F., Khan, Q. W., Ahmad, N., Shah, S., Elaffendi, M., & Ahmad, N. (2024). Federated Learning for Sarcasm Detection: A Study of Attention-Enhanced BILSTM, GRU, and LSTM Architectures. IEEE Access.

Ci1.12 Suhartono, D., Handoyo, A. T., & Adeta Junior, F. (2023). Feature-Based Augmentation in Sarcasm Detection Using Reverse Generative Adversarial Network. Computers, Materials & Continua, 77(3).

Ci1.13 Kosterin, M., Paramonov, I., & Lagutina, N. (2023, May). Automatic irony and sarcasm detection in Russian sentences: Baseline methods. In 2023 33rd Conference of Open Innovations Association (FRUCT) (pp. 148-154). IEEE.

Ci1.14 Plepi, J., Buski, M., & Flek, L. (2023, September). Personalized intended and perceived sarcasm detection on Twitter. In Proceedings of the 3rd Workshop on Computational Linguistics for the Political and Social Sciences (pp. 8-18).

Ci1.15 Priya, M., Vennila, P., & Prasanna, M. A. (2025). SARCASAM Analysis in Social Networks Using Deep Learning Algorithm. Procedia Computer Science, 252, 510-518.

Ci1.16 Alvi, M., Alvi, M. B., & Fatima, N. (2025). A Framework for Sarcasm Detection Incorporating Roman Sindhi and Roman Urdu Scripts in Multilingual Dataset Analysis. Journal of Computing & Biomedical Informatics, 8(02).

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Ci1.18 Asiamah, E. O. (2025). Deconstructing Africa's negative image through sarcasm on TikTok. African Journal of Social Issues, 8(1), 158-176.

Ci1.19 Keivanlou-Shahrestanaki, Z., Kahani, M., & Zarrinkalam, F. (2024). A hybrid content and context-based method for sarcasm detection. Computer and Knowledge Engineering, 7(1), 49-58.

Ci1.20 Sharma, P., Nagpal, T., Shrivastava, G., & Kumar, J. D. (2023, December). Machine Learning for Fake News Detection A Survey. In 2023 5th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N) (pp. 850-855). IEEE.

Ci1.21 Sonare, B., Dewan, J. H., Thepade, S. D., Dadape, V., Gadge, T., & Gavali, A. (2023, May). Detecting Sarcasm in Reddit Comments: A Comparative Analysis. In 2023 4th International Conference for Emerging Technology (INCET) (pp. 1-6). IEEE.

Ci1.22 Alexandru-Costin, B., & Ștefan, T. M. (2023, July). ChatGPT vs Sarcasm–How Well do State of the Art Language Models Handle Sarcasm?. In 2023 9th International Conference on Control, Decision and Information Technologies (CoDIT) (pp. 1092-1097). IEEE.

Ci1.23 Dorssers, O. P. W. Sarcasm Detection in Structured Text using DistilBERT: Evaluating the Impact of Text Normalization on Model Performance.

Ci1.24 Banou, Z., Elfilali, S., El Habib Benlahmar, F. Z. A., & Sakhi, H. (2016). A Systematic Review of Figurative Speech Detection: Methods, Challenges, and Multilingual Perspectives.

Ci2. **BĂROIU, Alexandru - Costin**; Trăuşan-Matu, Ştefan – *Comparison of Deep Learning Models for Automatic Detection of Sarcasm Context on the MUStARD Dataset*, *Electronics*, Vol.12, Nr.3, 2023, pg. 666. ISSN: 2079-9292. https://doi.org/10.3390/electronics12030666

Ci2.1 Gooljar, V., Issa, T., Hardin-Ramanan, S., & Abu-Salih, B. (2024). Sentiment-based predictive models for online purchases in the era of marketing 5.0: a systematic review. Journal of Big Data, 11(1), 107.

Ci2.2 Helal, N. A., Hassan, A., Badr, N. L., & Afify, Y. M. (2024). A contextual-based approach for sarcasm detection. Scientific Reports, 14(1), 15415.

Ci2.3 Thaokar, C., Rout, J. K., Rout, M., & Ray, N. K. (2024). N-Gram based sarcasm detection for news and social media text using hybrid deep learning models. SN Computer Science, 5(1), 163.

Ci2.4 Anwar, S. H., Abouaish, K. M., Matta, E. M., Farouq, A. K., Ahmed, A. A., & Negied, N. K. (2024). Academic assistance chatbot-a comprehensive NLP and deep learning-based approaches. Indonesian Journal of Electrical Engineering and Computer Science, 33(2), 1042-1056.

Ci2.5 Gupta, A., Mittal, A., & Jain, R. (2025). A novel sarcasm detection approach for text-image data: Leveraging multimodal fusion and weighted latent factors. Information Fusion, 103266.

Ci2.6 Dubey, P., Dubey, P., & Bokoro, P. N. (2025). Unpacking Sarcasm: A Contextual and Transformer-Based Approach for Improved Detection. Computers, 14(3), 95.

Ci2.7 Khan, S., Qasim, I., Khan, W., Khan, A., Ali Khan, J., Qahmash, A., & Ghadi, Y. Y. (2024). An automated approach to identify sarcasm in low-resource language. PloS one, 19(12), e0307186.

Ci2.8 Appiahene, P., Varadarajan, V., Zhang, T., & Afrifa, S. (2023). Original Research Article Experiences of sexual minorities on social media: A study of sentiment analysis and machine learning approaches. Journal of Autonomous Intelligence, 6(2).

Ci2.9 Pokhriyal, H., & Jain, G. (2025). Sarcasm Detection with Induced Sentimental Cues Using Heuristic Search Based on Unconstrained Optimisation Learning Quantifying Callousness on Social Media. Neurocomputing, 130499.

Ci2.10 Čepulionytė, A., Toldinas, J., & Lozinskis, B. (2023). A multilayered preprocessing approach for recognition and classification of malicious social network messages. Electronics, 12(18), 3785.

Ci2.11 Afrifa, S., Varadarajan, V., Appiahene, P., & Zhang, T. (2023). A novel artificial intelligence techniques for women breast cancer classification using ultrasound images. Clinical and Experimental Obstetrics & Gynecology, 50(12), 271.

Ci2.12 Pokhriyal, H., & Jain, G. (2025). Supposititious Sarcasm Detection and Sentiment Analysis Coping Hindi Language in Social Networks Harnessing Zipf-Mandelbrot Probabilistic Optimisation and Perplexity Entropy Learning. ACM Transactions on Asian and Low-Resource Language Information Processing.

Ci2.13 Pokhriyal, H., & Jain, G. (2024). Sarcasm Detection: Acknowledging Misleading Content in Social Media Using Optimised Wilson's Technique and Gumbel Mechanism. In Harnessing Artificial Emotional Intelligence for Improved Human-Computer Interactions (pp. 197-221). IGI Global.

Ci2.14 Bassem, B., Ammamou, C., Mechti, S., & Faiz, R. (2024, November). Evaluating Multilingual Approaches to Sarcasm Detection: Insights from English and Arabic Texts. In 2024 International Symposium of Systems, Advanced Technologies and Knowledge (ISSATK) (pp. 1-5). IEEE.

Ci2.15 Alexandru-Costin, B., & Ștefan, T. M. (2023, July). ChatGPT vs Sarcasm–How Well do State of the Art Language Models Handle Sarcasm?. In 2023 9th International Conference on Control, Decision and Information Technologies (CoDIT) (pp. 1092-1097). IEEE.

Ci2.16 KANAKAM, R., & KIRAN, B. K. ANALYSIS ON USAGE OF SARCASM INCREASING DAY BY DAY.

Ci2.17 Banou, Z., Elfilali, S., El Habib Benlahmar, F. Z. A., & Sakhi, H. (2016). A Systematic Review of Figurative Speech Detection: Methods, Challenges, and Multilingual Perspectives.

Ci3. **BĂROIU, Alexandru - Costin**; Trăușan-Matu, Ștefan – *How capable are state-of-the-art language models to cope with sarcasm?*, 2023 24th International Conference on Control Systems and Computer Science (CSCS), 2023, pg. 399–402. doi: 10.1109/CSCS59211.2023.00069.

Ci3.1 Nie, Y., Kong, Y., Dong, X., Mulvey, J. M., Poor, H. V., Wen, Q., & Zohren, S. (2024). A survey of large language models for financial applications: Progress, prospects and challenges. arXiv preprint arXiv:2406.11903.

Ci3.2 Bhargava, N., Radaideh, M. I., Kwon, O. H., Verma, A., & Radaideh, M. I. (2025). On the Impact of Language Nuances on Sentiment Analysis with Large Language Models: Paraphrasing, Sarcasm, and Emojis. arXiv preprint arXiv:2504.05603.

Ci3.3 Gole, M., Nwadiugwu, W. P., & Miranskyy, A. (2024, November). On sarcasm detection with openai gpt-based models. In 2024 34th International Conference on Collaborative Advances in Software and COmputiNg (CASCON) (pp. 1-6). IEEE.

Ci3.4 Li, Q., Li, Z., Liu, W., He, X., & Pan, Y. (2025). Sarcasm-GPT: advancing sarcasm detection with large language models. The Computer Journal, bxaf055.

Ci3.5 Wu, B., Tian, H., Liu, X., Hu, W., Yang, C., & Li, S. (2024, May). Sarcasm Detection in Chinese and English Text with Fine-Tuned Large Language Models. In 2024 IEEE 10th Conference on Big Data Security on Cloud (BigDataSecurity) (pp. 47-51). IEEE.

Ci3.6 Heraldi, F. D., & Ruskanda, Z. (2024, September). Effective Intended Sarcasm Detection Using Fine-tuned Llama 2 Large Language Models. In 2024 11th International Conference on Advanced Informatics: Concept, Theory and Application (ICAICTA) (pp. 1-6). IEEE.

Ci3.7 Belío Apaolaza, H. S., Fernández Juncal, M. C., Medrano Duque, M., & Suárez Caramés, E. (2024). ACIA. Aproximación Crítica a la Inteligencia Artificial: usos formativos, oportunidades y limitaciones del Chat GPT en el análisis lingüístico de textos.

Ci4. Bâra, Adela; Oprea, Simona-Vasilica; Băroiu, **BĂROIU, Alexandru - Costin** – *Forecasting the Spot Market Electricity Price with a Long Short-Term Memory Model Architecture in a Disruptive Economic and Geopolitical Context*, *International Journal of Computational Intelligence Systems*, Vol.16, Nr.1, 2023, pg. 130. https://doi.org/10.1007/s44196-023-00309-3

Ci4.1 Ferruzzi, G., Delcea, C., Barberi, A., Di Dio, V., Di Somma, M., Catrini, P., ... & Longo, S. (2023). Concentrating solar power: the state of the art, research gaps and future perspectives. Energies, 16(24), 8082.

Ci4.2 Băroiu, A. C., & Bara, A. (2024). A Descriptive-Predictive–Prescriptive Framework for the Social-Media–Cryptocurrencies Relationship. Electronics, 13(7), 1277.

Ci4.3 Herczeg, B., Csiszárik-Kocsir, Á., & Pintér, É. (2024). Assessing the Accuracy of Electricity Price Forecasting Models, Before and After, the Impact of Energy Crisis Using Univariate and Multivariate Methods. Acta Polytechnica Hungarica, 21(12).

Ci4.4 Sethi, D. (2024). Multi-horizon Electricity Price Forecasting Using Long Short-term Memory Based Encoder-Decoder Neural Networks and Uncertainty Estimation.

Ci4.5 Anbazhagan, S., & Ramachandran, B. (2024). Electricity Price Forecasting Model Based on Single Design Parameter Neural Network for Indian Energy Exchange. International Journal of Digital Technologies, 3(II).

Ci5. **BĂROIU, Alexandru - Costin**; Bâra, Adela – *A Descriptive–Predictive–Prescriptive Framework for the Social-Media–Cryptocurrencies Relationship*, *Electronics*, Vol.13, Nr.7, 2024, pg. 1277. https://doi.org/10.3390/electronics13071277

Ci5.1 Hasnain, M., Ghani, I., Smith, D., Daud, A., & Jeong, S. R. (2025). Cybersecurity Challenges in Blockchain-based Social Media Networks: A Comprehensive Review. Blockchain: Research and Applications, 100290.

Ci5.2 Airlangga, G. (2024). Comparative Analysis of Machine Learning Models for Predicting Diabetes: Unveiling the Superiority of Advanced Ensemble Methods. G-Tech: Jurnal Teknologi Terapan, 8(2), 1272-1280.

Ci5.3 Almihat, M. G. M., & Munda, J. L. (2024). Review on recent control system strategies in Microgrid. Edelweiss Applied Science and Technology, 8(6), 5089-5111.

Ci5.4 Aritonang, D. E., & Hariwibowo, I. N. (2024). Fenomena "FoMO" Investasi Cryptocurrency: Analisis Sentimen. KONSTELASI: Konvergensi Teknologi dan Sistem Informasi, 4(2), 181-193.

Ci6. **BĂROIU, Alexandru - Costin**; Diaconita, Vlad; Oprea, Simona Vasilica – *Bitcoin volatility in bull vs. bear market—insights from analyzing on-chain metrics and Twitter posts*, *PeerJ Computer Science*, Vol.9, 2023. https://doi.org/10.7717/peerj-cs.1750

Ci6.1 Li, Y., Luo, B., Wang, Q., Chen, N., Liu, X., & He, B. (2024, November). Cryptotrade: A reflective llm-based agent to guide zero-shot cryptocurrency trading. In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (pp. 1094-1106).

Ci6.2 Hakimi, A., Pazuki, M. M., Salimi, M., & Amidpour, M. (2024). Renewable energy and cryptocurrency: A dual approach to economic viability and environmental sustainability. Heliyon, 10(22).

Ci6.3 Wang, Q., Gao, Y., Tang, Z., Luo, B., & He, B. (2024). Enhancing LLM trading performance with fact-subjectivity aware reasoning. arXiv preprint arXiv:2410.12464.

Ci6.4 Tamandi, M. (2024). Modeling Bitcoin Price Dynamics: Overcoming Kurtosis and Skewness Challenges for Enhanced Predictive Accuracy. Computational Economics, 1-16.

Ci7. Dobriţa, Gabriela; Bâra, Adela; Oprea, Simona-Vasilica; **BĂROIU, Alexandru - Costin**; Barbu, Dragos-Catalin – *Mobility, COVID-19 cases and virus reproduction rate data analysis for Romania using Machine Learning Algorithms*, 2022 26th International Conference on System Theory, Control and Computing (ICSTCC), 2022, pg. 244–251. doi: 10.1109/ICSTCC55426.2022.9931806.

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