

Година	Наслов на публикацијата	АВТОРИ
2024	Analysing the influence of the pandemic on crime patterns in North Macedonia	Aleksandra Dedinec, Sonja Filiposka, Anastas Mishev
2024	Interaction in the classroom using polls	Marija Mihova, Bojan Ilijoski
2024	On dementia, duties, and daughters. An ethical analysis of healthcare professionals being confronted with conflicts regarding filial duties in informal dementia care	Dogan, V., Taneska, M., Novotni, G., Iloski, S., Novotni, A., Dimitrova, V., Milutinovic, M., Novotni, L., Weber, A., Joksimoski, B. and Chorbev, I
2024	Smart Objects and Technologies for Social Goods	Pires, Ivan Miguel; Zdravevski, Eftim; Garcia, Nuno Cruz
2023	A Comprehensive Analysis of LayoutLM and Donut for Document Classification	Bajrami, Merxhan; Zdravevski, Eftim; Lameski, Petre; Stojkoska, Biljana
2023	Application of Persistent Homology in TDA – A case study on seismology dataset	Sekuloski, Petar; Dimitrievska Ristovska, Vesna
2023	Approaches and Opportunities of Using Machine Learning Methods in Telecommunications and Industry 4.0	Cvitić, Ivan; Jevremovic, Aleksandar; Lameski, Petre
2023	Assessing the Environmental Impact of Plant-Based Diets: A Comprehensive Analysis	Golubova, Blagica; Fetaji, Fjola; Dobрева, Jovana; Trajanoska, Milena; Todorovska, Ana; Stojanov, Riste; Trajanov, Dimitar
2023	Corrigendum to "Extraction of notable points from ECG data: A description of a dataset related to 30-s seated and 30-s stand up"[Data in Brief, volume 46 (2023) 108874]	Duarte, Rui Pedro; Marinho, Francisco Alexandre; Bastos, Eduarda Sofia; Pinto, Rui João; Silva, Pedro Miguel; Fermine, Alice; Vitalyyna Denysyuk, Hanna; Gouveia, António Jorge; Gonçalves, Norberto Jorge; Coelho, Paulo Jorge; Zdravevski, Eftim; Lameski, Petre; Tripunovski, Toni; Garcia, Nuno M; Pires, Ivan Miguel
2023	Diversity of Capitalism: Evidence for Macedonia vis-a-vis Europe	Mitijak, Sonja; Trajanoska, Milena; Danilovska, Tamara; Prodanova, Jana; Kocarev, Ljupco
2023	DocSplitAI: A Deep Learning Approach for Document Segmentation in Large PDFs	Bajrami, Merxhan; Kulakov, Andrea; Gaissmaier, Yvonne; Lameski, Petre
2023	Evolution of academic dishonesty in computer science courses	Zdravkova, Katerina
2023	Feasibility analysis of an electrogastrigraphy sensor for digestion detection	Neves, Paulo Alexandre; Gonçalves, Norberto Jorge; Varanda, Pedro; Simões, João; Pires, Filipe; Garcia, Nuno M; Costa, Ricardo; Zdravevski, Eftim; Pires, Ivan Miguel
2023	Image classification using deep neural networks and Persistent Homology	Sekuloski, Petar; Dimitrievska Ristovska, Vesna
2023	Integration of Large Language Models into Higher Education: A Perspective from Learners	Zdravkova, Katerina; Dalipi, Fisnik; Ahlgren, Fredrik
2023	Methodology for food prices forecasting	Peshevski, Dimitar; Todorovska, Ana; Trajkovikj, Filip; Hristov, Nikola; Trajanoska, Milena; Dobрева, Jovana; Stojanov, Riste; Trajanov, Dimitar
2023	On the Construction of Associative and Commutative Bilinear Multivariate Quadratic Quasigroups of Order 2^n	Marija Mihova
2023	Parallel Corpus of Somatic Phrasemes	Zdravkova, Katerina; Serafimovska Jana
2023	Privacy and Data Security Assessment for IT Vendor Services-strategic approach for Vendor IT Services analysis under GDPR	Mollakuqe, Elissa; Dimitrova, Vesna
2023	Sentiment Analysis Using BERT on Amazon Reviews	Bogatinska, Tea; Trpkovska, Jana; Mitrevska, Tamara; Mirceva, Georgina
2023	Syllable and Morpheme Segmentation of Macedonian Language	Mitreska, Maja; Zdravkova, Katerina
2023	The role of IT in the pandemic-education.	Dimitrievska Ristovska, Vesna; Sekuloski, Petar
2022	'Adoption of Sharing Economy in Tourism and Hospitality Industry in Developing Countries', chapter in Book: Handbook of Research on Sustainable Tourism and Hotel Operations in Global Hypercompetition	Kiril Kjiroski, Smilka Janeska Sarkanjac, Saso Josimovski, Ljubomir Drakulevski, Branislav Sarkanjac
2022	A novel model for image classification based on Persistent Homology	Sekuloski, Petar; Dimitrievska Ristovska, Vesna; Grozdev, Vassil
2022	Adapting a Web 2.0-Based Course to a Fully Online Course and Readapting It Back for Face-to-Face Use	Zdravkova, Katerina
2022	Advanced Method for Forecasting and Warning of Severe Convective Weather and Local-scale Hazards	Spiridonov, Vlado; Sladić, N; Jakimovski, Boro; Ćurić, M
2022	Analysis and Visualization of Social Networks	Koceva Lazarova, Limonka; Stojkovikj, Natasha; Stojanova Ilievska, Aleksandra; Dimitrievska Ristovska, Vesna; Stojkovikj, Natasha; Koceva Lazarova, Limonka ; Dimitrievska Ristovska, Vesna; Kukuseva, Maja; Stojanova Ilievska, Aleksandra
2022	Analysis, modeling, and simulation of emergency department	
2022	Application of Diversified Ensemble Learning in Real-life Business Problems: The Case of Predicting Costs of Forwarding Contracts	Trajanoska, Milena; Gjorgovski, Pavel; Zdravevski, Eftim
2022	Applications of Deep Learning Based Semantic Segmentation of Images	Lameski, Petre; Zdravevski, Eftim; Kulakov, Andrea; Chorbev, Ivan; Trajkovikj, Vladimir
2022	Blended REsearch on Air pollution using Technical and Educational solutions - CleanBREATHE	Beatz, Victoria; Lameski, Petre; A. Herzog, Michael; Trajkovikj, Vladimir
2022	Challenges and techniques for code protection in a distributed environment	Pesovski, Ivica; Zdravkova, Katerina
2022	Classification of Digital Images using topological signatures – A Case Study	Sekuloski, Petar; Dimitrievska Ristovska, Vesna
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2022	Comparison of SQL and NoSQL databases with different workloads: MongoDB vs MySQL evaluation	Capris, Ticiana; Melo, Pedro; M Garcia, Nuno; Pires, Ivan Miguel; Zdravevski, Eftim
2022	DD-RDL: Drug-Disease Relation Discovery and Labeling	Dobрева, Jovana; Jovanovik, Milos; Trajanov, Dimitar
2022	Ensemble cloud model application in simulating the catastrophic heavy rainfall event	Spiridonov, Vlado; Curic, Mladjen; Grcic, Marija; Jakimovski, Boro
2022	Facilitating privacy-preserving activity recognition in age-friendly environments through low-power devices	Dimitrievski, Ace; Zdravevski, Eftim; Lameski, Petre; Trajkovikj, Vladimir
2022	Forensics investigation comparison of privacy-oriented cryptocurrencies	Taneska, Marija; Dobрева, Jovana; Dimitrova, Vesna
2022	Implementation and Compliance Benchmarking of a DGGs-enabled, GeoSPARQL-aware Triplestore	Habgood, David; Homburg, Timo; Car, Nicholas J.; Jovanovik, Milos
2022	Integrated IoT System for Prediction of Diseases in the Vineyards	Jovanovska, Elena; Chorbev, Ivan; Davcev, Danco; Mitreski, Kosta
2022	Machine learning-supported MRI Radiomics to predict the volumetric response in meningiomas after Gamma Knife radiosurgery.	Speckter, Herwin; Radulovic, Marko; Trivodaliev, Kire; Vranes, Velicko; Joaquin, Johanna; Hernandez, Wenceslao; Bido, Jose; Hernandez, Giancarlo; Rivera, Diones; Suazo, Luis; Valenzuela, Santiago; Stoeter, Peter
2022	Managing a Successful Educational Role-Playing Game	Zdravkova, Katerina
2022	Named Entity Recognition and Knowledge Extraction from Pharmaceutical Texts using Transfer Learning	Jofche, Nasi; Mishev, Kostadin; Stojanov, Riste; Jovanovik, Milos; Zdravevski, Eftim; Trajanov, Dimitar

2022 NLP-based Typo Correction Model for Croatian Language O-076 Genomic and morphokinetic blueprint of mosaic embryos is evidence supporting their distinct clinical category	Mitreska, Maja; Mishev, Kostadin; Simjanoska, Monika
2022 Performance Analysis of Machine Learning Algorithms on Small Datasets that Includes Features from K-Nearest Neighbor Graph	Madjunkov, M; Balakier, H; Abramov, R; Antes, R; Chen, S; Wilkinson, M; Trivodaliev, Kire; Madjunkova, S; Librach, C
2022 Resolving Inflectional Ambiguity of Macedonian Adjectives	Ilievska, Elena; Sekuloski, Petar
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2022 Temporal Authorization Graphs: Pros, Cons and Limits	Zdravkova, Katerina; Madevska Bogdanova, Ana
2022 The Potential of Artificial Intelligence for Assistive Technology in Education	Stojanov, Riste; Popovski, Ognen; Jovanovik, Milos; Zdravevski, Eftim; Lameski, Petre; Trajanov, Dimitar
2022 Topological data analysis as a tool for classification of digital images	Zdravkova, Katerina
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2022 A Comparative Analysis of HOTP and TOTP Authentication Algorithms.	Naumoski, Andreja; Mirceva, Georgina; Mitreski, Kosta
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2021 A Review of Text Style Transfer using Deep Learning	Toshevska, Martina; Gievska, Sonja
2021 An early-stage researcher's primer on systems medicine terminology	Zanin, Massimiliano, Nadim AA Aitya, José Basilio, Jan Baumbach, Arriel Benis, Chandan K. Behera, Magda Bucholc et al.
2021 Are central-zone restaurants better for consumers?-An analytical approach	Markoski, Filip; Basnarkov, Lasko; Risteska Stojkoska, Biljana; Lameski, Petre; Zdravevski, Eftim
2021 Comparison of Convolutional Codes and Random Codes Based on Quasigroups for transmission in BSC	Lumburovska, L.; Popovska-Mitrovikj, A.; Bakeva, V.
2021 CoviHealth: A pilot study with teenagers in schools of Centre of Portugal	Vanessa Villasana, Maria; Miguel Pires, Ivan; Sá, Juliana; M Garcia, Nuno; Zdravevski, Eftim; Chorbev, Ivan; Lameski, Petre
2021 Cultural topic modelling over novel wikipedia corpora for south-slavic languages	Markoski, Filip; Markoska, Elena; Ljubešić, Nikola; Zdravevski, Eftim; Kocarev, Ljupco
2021 Digital transformation of healthcare services: Case study on services of verification and issuing orthopedic and medical aids	Gavrilov, Goce; Stojmenovska, Irena; Ma, Tiedong; Trajkovikj, Vladimir
2021 Educational Software for Speech Unintelligible Children with Down Syndrome	Zdravkova, Katerina; Joksimoski, Boban
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2021 IoT aided smart home architecture for anomaly detection	Ibrahim Arif, Nevena Ackovska
2021 IoT Serverless Computing at the Edge: Open Issues and Research Direction	Kjorveziroski, Vojdan; Bernad Canto, Cristina; Juan Roig, Pedro; Gilly, Katja; Mishev, Anastas; Trajkovikj, Vladimir; Filiposka, Sonja
2021 Preparing Teachers for Crowdsourced Language Learning	Gajek, Elzbieta; Zdravkova, Katerina
2021 Sleep apnea detection in fog based ambient assisted living system	Dimitrievski, Ace; Koceska, Natasha; Zdravevski, Eftim; Lameski, Petre; Cico, Betim; Koceski, Sasho; Trajkovik, Vladimir
2021 State-of-the-art Survey of Data Hiding in ECG Signal	Velinov, Aleksandar; Stojanovic, Igor; Dimitrova, Vesna
2021 Teaching and Examination Process of Some University Courses before vs during the Corona Crisis	Dimitrievska Ristovska, Vesna; Stankov, Emil; Sekuloski, Petar
2020 A Review on the Artificial Intelligence Algorithms for the Recognition of Activities of Daily Living Using Sensors in Mobile Devices	Ivan Miguel Pires, Gonçalo Marques, Nuno M. Garcia, Nuno Pombo, Francisco Flórez-Revuelta, Eftim Zdravevski & Susanna Spinsante
2020 Analysis of trends in scientific publications by an NLP toolkit: A case study in Software Development Methods for Enhanced Living Environment	Girma, Melaku; Garcia, Nuno; Zdravevski, Eftim; Kifle, Mesfin; Pombo, Nuno; Trajkovikj, Vladimir
2020 Analyzing and visualisation of indoor airpollution	Jovanovska, ME; Bozinova, M; Mitreski, Kosta
2020 Approaching a DoS attack using change and risk management methods	Pavlov, Stefan; Dimitrova, Vesna; Antovski, Ljupco
2020 Control and Prevention of Personal Stress	Marques, Hugo; Carvalho, Hugo; Morgado, José; Garcia, Nuno M; Pires, Ivan Miguel; Zdravevski, Eftim
2020 Creating expert knowledge by relying on language learners: a generic approach for mass-producing language resources by combining implicit crowdsourcing and language learning	Nicolas, Lionel; Lyding, Verena; Borg, Claudia; Forascu, Corina; Fort, Karën; Zdravkova, Katerina; Kosem, Iztok; Čibej, Jaka; Arhar Holdt, Š; Millour, Alice; König, Alexander; Rodosthenous, Christos; Sangati, Federico; ul Hassan, Umair; Katinskaia, Anisia; Barreiro, Anabela; Aparaschivei, Lavinia; HaCohen-Kerner, Yaakov
2020 Cryptocoding of Images for Transmission Through a Burst Channels	D. Mechkaroska, A. Popovska-Mitrovikj, V. Bakeva
2020 Digital Social Innovation for Better Connected Government: The Case of Republic of Macedonia, chapter in Book: Web 2.0 and Cloud Technologies for Implementing Connected Government	Natalija Najdova, Jasmina Belchovska Tasevska, Smilka Janeska Sarkanjac, Branislav Sarkanjac and Dimitar Trajanov
2020 Educational Games for Children with Down Syndrome	Zdravkova, Katerina
2020 Ethical issues of crowdsourcing in education	Zdravkova, Katerina
2020 Evaluation of Recurrent Neural Network architectures for abusive language detection in cyberbullying contexts	Markoski, Filip; Zdravevski, Eftim; Ljubešić, Nikola; Gievska, Sonja
2020 Exploration into Deep Learning Text Generation Architectures for Dense Image Captioning	Toshevska, Martina; Lameski, Petre; Stojanovska, Frosina; Zdravevski, Eftim; Gievska, Sonja
2020 Finite-Temperature Single Molecule Vibrational Dynamics from Combined Density Functional Tight Binding Extended Lagrangian Dynamics Simulations and Time Series Analysis	Koteska, Bojana; Mishev, Anastas; Pejov, Ljupcho
2020 Gene Co-expression Analysis for Lung Cancer Biomarkers Detection	Kostadinovska, Stefani; Kalajdziski, Slobodan; Simjanoska, Monika
2020 Identification of Activities of Daily Living through Artificial Intelligence: an accelerometry-based approach	Pires, Ivan Miguel; Marques, Gonçalo; Garcia, Nuno M; Zdravevski, Eftim
2020 Improving NER Performance by Applying Text Summarization on Pharmaceutical Articles	Dobрева, Jovana; Jofche, Nasi; Jovanovik, Milos; Trajanov, Dimitar
2020 Introduction of "Honorable Mention" Award at the International Olympiad in Informatics	Jovanov, Mile; Stankov, Emil
2020 IoT based framework for air pollution monitoring in smart cities	Trivodaliev, Kire; Risteska Stojkoska, Biljana; Kalajdjieski, Jovan
2020 IoT-Based System for Real-time Monitoring and Insect Detection in Vineyards	Stevanoska, Sintija; Davcev, Danco; Jovanovska, Elena M.; Mitreski, Kosta
2020 Making vending machines smarter with the use of Machine Learning and Artificial Intelligence: Set-up and Architectur	Istrefi, Dashmir; Zdravevski, Eftim

Mobile Applications Dedicated for Cardiac Patients: Research of Available Resources	Gonçalo F. Valentim Pereira, Ivan Miguel Pires, Gonçalo Marques, Nuno M. Garcia, Eftim Zdravevski, Petre Lameski, Francisco Flórez-Revuelta & Susanna Spinsante
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Patient-Centered Care based on Fog Computing Paradigm-A Case of Sleep Apnea Detection	Dimitrievski, Ace; Koceski, Sasho; Koceska, Natasha; Zdravevski, Eftim; Lameski, Petre; Hrvoje Belani; Trajkovikj, Vladimir
Personal Digital Life Coach for Physical Therapy Predictive Data Analysis and Machine Learning for Telematics Hub based on sensory data	Popovski, Goce; Ponciano, Vasco; Marques, Gonçalo; Pires, Ivan Miguel; Zdravevski, Eftim; Garcia, Nuno M
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Short-term air pollution forecasting based on environmental factors and deep learning models	Mabela Atanasovska Penić and Smilka Janeska Sarkanjac
Some general traits of the e-cash system and a review of a compact e-cash scheme with practical and complete tracing	Arsov, Mirche; Zdravevski, Eftim; Lameski, Petre; Corizzo, Roberto; Koteli, Nikola; Mitreski, Kosta; Trajkovikj, Vladimir
Towards Cleaner Environments by Automated Garbage Detection in Images	Stamenkovska, E.; Dimitrova, V.; Popovska-Mitrovikj, A.
Towards the number of errors that the code detects for sure Transition from the classroom to online educational environment: First impressions	Despotovski, Aleksandar; Despotovski, Filip; Lameski, Jane; Zdravevski, Eftim; Kulakov, Andrea; Lameski, Petre Ilijevka, Natasha
User Modeling Approaches in Adaptive Learning Systems	Lameski, Petre; Bidikov, Vladislav; Kjiroski, Kiril; Jakimovski, Boro; Zdravevski, Eftim; Chorbev, Ivan; Trajkovikj, Vladimir
'A Method for Calculating the Probability of Ruin of an Insurance Company	Ademi, N., Loshkovska, S., Chorbev, I.
A Brief Introduction to Persistent Homology	Andreja Miteski, Smilka Janeska Sarkanjac, Natasha Ilijevka, Stefan Miteski Sekuloski, Petar
A method for calculating the probability of ruin of an insurance company	Miteski, Andreja, Janeska Sarkanjac, Smilka, Ilijevka, Natasha, Miteski, Stefan
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Application of Persistent Homology on Bio-Medical Dataset - A case study	Sekuloski, Petar; Dimitrievska Ristovska, Vesna
Automatic Recognition of Emotions from Speech Automation in Systematic, Scoping and Rapid Reviews by an NLP Toolkit: A Case Study in Enhanced Living Environments	Martin Gjoreski, Hristijan Gjoreski, Andrea Kulakov
Challenges in data collection in real-world environments for activity recognition	Eftim Zdravevski, Petre Lameski, Vladimir Trajkovikj, Ivan Chorbev, Rossitza Goleva, Nuno Pombo & Nuno M. Garcia
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Compliance of MOOCs and OERs with the new privacy and security EU regulations	Zdravevski, Eftim; Lameski, Petre; Dimitrievski, Ace; Grzegorowski, Marek; Apanowicz, Cas
CoviHealth: Novel approach of a mobile application for nutrition and physical activity management for teenagers	Zdravkova, Katerina
Decentralized Hardware Ownership Control: Dew computing with Blockchain	Vanessa Villasana, Maria; Miguel Pires, Ivan; Sá, Juliana; M Garcia, Nuno; Pombo, Nuno; Zdravevski, Eftim; Chorbev, Ivan
Early Detection of Dropouts in E-Learning Systems	Wang, Yingwei; Gusev, Marjan
Internet of things solution for intelligent air pollution prediction and visualization	Ademi, N., Loshkovska, S.
Mapper Algorithm and It's Applications	Trivodaliev, Kire; Risteska Stojkoska, Biljana; Korunoski, Mladen
Minimizing Total Weight of Feedback Arcs in Flow Graphs	Dimitrievska Ristovska, Vesna; Sekuloski, Petar
Modeling the Number of Errors That the Code Surely Detects	Kire Trivodaliev, Marija Mihova, Ilinka Ivanoska, Kristijan Trifunovski
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The CHARME" Advanced Big Data Training School for Life Sciences": an example of good practices for training on current bioinformatics challenges	Gievska, Sonja; Lameski, Jane; Jovanov, Andrej; Zdravevski, Eftim; Lameski, Petre
Tlcs: A digital library with resources to teach and learn computer science	Hoang, Yen; Pfeil, Juliane; Zagorščak, Maja; Y. A. Thieffry, Axel; Zdravevski, Eftim; Ramšak, Živa; Lameski, Petre; Schulze, Sabrina K.; Papakonstantinou, Eleni; Papageorgiou, Louis; Singh, Tarry; Duarte López, Ariel; Pérez-Casany, Marta
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