

Liste des productions scientifiques (publications, communications,...)

Année 2024

Etablissement Universitaire: Université 8 Mai 1945 de Guelma
 Faculté: Mathématique, Informatique et Sciences de la Matière
 Laboratoire des Sciences et Technologies de l'Information et de
 la Communication "LABSTIC"

Productions Scientifiques 2024								
Publications								
	Titre	Auteurs	Revue	Année	Catégorie de la revue: A+ , A , B-Scopus, B-non Scopus, C, non classée	Volume	Page	URL
Publications Internationales	Ensemble Deep Learning Model for Diabetes Disease Prediction	Selma Aouamria Djalila Boughareb Mohamed Nemissi Zineddine Kouahla Hamid Seridi	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	2024	B-Scopus	12 (4)	2454 - 2465	https://ijisae.org/index.php/IJISAE/article/view/6674
	Innovative deep learning approach for cross-crop plant disease detection: A generalized method for identifying unhealthy leaves	Imane Bouacida Brahim Farou Lynda Djakhdjakha Hamid Seridi Muhammet Kurulay	Information Processing in Agriculture	2024	B-Scopus			https://doi.org/10.1016/j.inpa.2024.03.002
	emoLearnAdapt: A new approach for an emotion-based adaptation in e-learning environments	Adil Boughida Yacine Lafifi Mohamed Nadjib Kouahla	Education and Information Technologies	2024	A	29	15269-15323	https://link.springer.com/article/10.1007/s10639-023-12429-6

Publications Internationales	Static video summarization based on genetic algorithm and deep learning approach	Abdelhalim Benoughidene Faiza Titouna Adil Boughida	Multimedia Tools and Applications	2024	A			https://link.springer.com/article/10.1007/s11042-024-19421-3
	A multi-agent reinforcement learning based approach for intelligent traffic signal control	Karima Benhamza Hamid Seridi Meriem Agguini Amel Bentagine	Evolving Systems	2024	A	15 (6)	2383-2397	https://link.springer.com/article/10.1007/s12530-024-09622-4
	SecureQwen: Leveraging LLMs for vulnerability detection in python codebases	Merouane Debbah Abdechakour Mechri Mohamed Amine Ferrag	Computers & Security	2024	A			https://www.science-direct.com/science/article/abs/pii/S0167404824004565
	How secure is AI-generated code: a large-scale comparison of large language models	Mohamed Amine Ferrag Norbert Tihanyi Tamas Bisztray Ridhi Jain Lucas C. Cordeiro	Empirical Software Engineering	2024	A			https://link.springer.com/article/10.1007/s10664-024-10590-1
	Farah, Rania, et al. "Data driven models on load forecasting: Case study Algeria	FARAH Rania FAROU Brahim KOUAHLA Zineddine SERIDI Hamid	Data in Brief	2024	A	52 (2024)		https://www.science-direct.com/science/article/pii/S2352340923009162?via%3Dihub

Publications Internationales	Enhancing Smart Grids for Sustainable Energy Transition and Emission Reduction with Advanced Forecasting Techniques.	FARAH Rania FAROU Brahim KOUAHLA Zineddine SERIDI Hamid	Nature Environment & Pollution Technology,	2024	B-Scopus	23 (4)		https://neptjournal.com/upload-images/(18)D-1625.pdf
	Twenty-two years since revealing cross-site scripting attacks: a systematic mapping and a comprehensive survey	Salima Yahiouche Abdelhakim Hannousse Mohamed-Cherif Nait-Hamoud	Computer Science Review	2024	4	52	1-38	https://www.sciencedirect.com/science/article/pii/S1574013724000182
	A Hybrid Ensemble Learning Approach for Detecting Bots on Twitter	Abdelhakim Hannousse Zied Talha	International Journal of Performability Engineering	2024	B-Scopus	20 (10)	610-620	https://www.ijpe-online.com/EN/10.23940/ijpe.24.10.p3.610620
	A Multi-Criteria Food and Restaurant Recommendation System	Maroua Chemlal Amina Zedadra Ouarda Zedadra Antonio Guerrieri Md Nadjib Kouahla	JUCS - Journal of Universal Computer Science	2024	A	30 (12)	1724-1754	https://lib.jucs.org/article/119739/
	Improving temporal behavior based on students' traces in online-based learning environments	Houda Tadjer Zohra Mehenaoui Yacine Lafifi Amira Chemmakh	JUCS - Journal of Universal Computer Science	2024	A	30 (10)	1372-1389	https://lib.jucs.org/article/110356/

Publications Internationales	Dynamic Matching Optimization in Ridesharing System Based on Reinforcement Learning	Islem Touati Chayma Zemouli Habiba Belleili Hiba Abdelmoumène Chemesse Ennehar Bencheriet	IEEE Access	2024	A	12 (2024)	29525-29535	https://ieeexplore.ieee.org/document/10443581
	A Systematic Survey of the Business Process Mining based Approaches	Chaima AFIFI Ali KHEBIZI Khaled HALIMI	International Journal of Business Process Integration and Management	2024	B-Scopus	11	4	http://dx.doi.org/10.1504/IJBPM.2024.10067186
	A New Approach to Grouping Learners Based on Behavioral Engagement in CSCL Environments	Houda Tadjer Yacine Lafifi Souhila Zerdoudi Zohra Mehenaoui	Acta Infologica	2024	B-non Scopus	acin 2024, 8 (2), 260-273	14	https://iupress.istanbul.edu.tr/en/journal/acin/article/a-new-approach-to-grouping-learners-based-on-behavioral-
	Perceptions of teachers about e-learning during COVID-19 at Algeria	Safia Bendjebar Yacine Lafifi	International Journal of Learning and Change (IJLC)	2024	B	16(6), 636-651		
	A new approach for assessing the quality of online courses	Youssef Abda Yacine Lafifi Zohra Mehenaoui Rochdi Boudjehem	Education and Information Technologies	2024	A	29(11)	13929-13956	https://link.springer.com/article/10.1007/s10639-023-12247-w
	Revolutionizing intrusion detection in industrial IoT with distributed learning and deep generative techniques	Djallel Hamouda Seridi Hamid Nadjette Benhamida Mohamed Amine Ferrag Mohamed Chahine Ghanem						

Publications Internationales	BP-DSS3: A Business Processes Decision-Support Chatbot through the Language Model GPT-3.5-turbo	Chaima AFIFI Ali KHEBIZI Khaled HALIMI	Int. J. of Intelligent Engineering Informatics	2024	B-Scopus	Forth coming	Forth coming	Forthcoming
	How to provide intelligent assistance to learners inside e-learning environments?	Riad Bourbia Samia Drissi Yacine Lafifi	International Journal of Technology Enhanced Learning	2024	B-Scopus	Vol.16 No.1, pp.74 - 101	1753-5263	https://www.inderscience.com/info/inarticle.php?artid=135433
	Occupancy Prediction in IoT-Enabled Smart Buildings: Technologies, Methods, and Future Directions	Ouarda Zedadra Irfanullah Khan Antonio Guerrieri Giandomenico Spezzano	Sensors	2024	A	24(11)	3276	https://www.mdpi.com/1424-8220/24/11/3276
	A Multi-Criteria Food and Restaurant Recommendation System	Maroua Chemlal Amina Zedadra Ouarda Zedadra Antonio Guerrieri Md Nadjib Kouahla	JUCS - Journal of Universal Computer Science	2024	A	30, no. 12 (2024)	1724-1757	https://lib.jucs.org/article/119739/
Publications nationales	A new multi-robots search and rescue strategy based on penguin optimization algorithm	Zedadra, O. Zedadra, A. Guerrieri, A. Seridi, H. Ghelis, D	Scalable Computing: Practice and Experience	2024	B-Scopus	Vol. 25 No. 5 (2024)	4428-4441	https://scpe.org/index.php/scpe/article/view/3541
	Inverse Firefly-Based Search Algorithms for Multi-Target Search Problem	Zedadra, O. Guerrieri, A. Seridi, H. Benzaid, A. Fortino, G	Big Data and Cognitive Computing	2024	B-Scopus	vol. 8, no 2	18	https://www.mdpi.com/2504-2289/8/2/18

	Productions Scientifiques 2024							
	Communications							
	Titre	Auteurs	Intitulé de manifestation	Année	Proceeding de la conférence indexé dans Scopus (oui /non)	Volume	Page	URL
Communications internationales	A Novel Ensemble Learning Approach for Diabetes Prediction in Imbalanced Datasets	Djalila Boughareb Said Bouteldja Hamid Seridi	The 13th International Conference on Research in computing at Feminine (RIF'24)	2024	Scopus			en cours de publication en ligne
	D-Convolutional Neural Network based-arrhythmia classification model	Mohamed Nemissi Selma Aouamria Djalila Boughareb Hamid Seridi Halim Boualleg	International Symposium of Systems, Advanced Technologies and Knowledge (ISSATK)	2024	IEEE		2-6	doi: 10.1109/ISSATK62463.2024.10808646
	Machine learning and Deep learning methods for intrusion detection systems in Smart grids	Saida Baalia Djalila Boughareb Hamid Seridi Zinedine Kouahla	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024	/			https://events.univ-guelma.dz/iam2024/index.html
	Advancing Federated Learning for Non-IID Arrhythmia ECG Analysis: A Comprehensive Review	Mohamed Nemissi Selma Aouamria Djalila Boughareb Hamid Seridi	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024	/			https://events.univ-guelma.dz/iam2024/index.html

Communications internationales	Bias Mitigation in Medical Datasets: Enhancing GBM and KNN Predictive Models with SMOTE Techniques	Djalila Boughareb Hana Bordjiba Rima Boughareb Hamid Seridi	2nd INTERNATIONAL CONFERENCE ON COMPUTING AND DATA ANALYTICS	2024	IEEE			en cours de publication en ligne
	Intrusion Detection in IoMT: DRL Approach for Transmission-Level Security	Karima Benhamza Hamid Seridi	The 1st International Conference on Modeling, Simulation and Computer Technology (ICMSCT24)	2024	Scopus			http://www.univ-skikda.dz/ICMSCT24/
	A Review of Bio-Inspired Methods for Intrusion Detection in the Internet of Medical Things.	Karima Benhamza Hadil Merzougui Hamid Seridi	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024				https://events.univ-guelma.dz/iam2024/index.html
	Advances in Machine Learning Methods for Automated Pediatric Epilepsy Seizure Detection: An Overview.	Karima Benhamza Sarrah Doghmene Hamid Seridi	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024				https://events.univ-guelma.dz/iam2024/index.html
	AI-Driven Solutions for Plant Disease Detection: Advancement in Deep Learning Approaches	Imane Bouacida Hamid Seridi Brahim Farou Lynda Djakhadjakha	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024	/	/	/	https://events.univ-guelma.dz/iam2024/index.html

Communications internationales	Dynamic intelligence assessment: Benchmarking llms on the road to agi with a focus on model confidence	Tihanyi, N. Bisztray, T. Dubniczky, R. A. Toth, R. Borsos, B. Cherif, B. M. A. Ferrag Jøsang, A.	2024 IEEE International Conference on Big Data (BigData)	2024	Scopus			https://ieeexplore.ieee.org/abstract/document/10825051
	A Semantic Framework for Monitoring Wheat Grain warehouses	Farou Brahim Djakhdjakha Lynda Bouacida Imane Meguellatni Aya	RIF 2024, The 13th Conference on Research in computing at Feminine (RIF 2024)	2024				https://www.univ-constantine2.dz/rif/
	A Unified Semantic Web and IoT Architecture for Enhanced Agricultural ERP Functionality and management Integration	Farou Brahim Djakhdjakha Lynda	2024 IEEE International Multi-Conference on Smart Systems & Green Process (IMC-SSGP)	2024				https://www.imc-ssgp.com
	Towards an Intelligent Wheat Stock Management System Using Deep Learning, Ontology, and IoT	Djakhdjakha Lynda Harizi Rana Bouacida Imane Farou Brahim	The 7th International Conference on Informatics and Applied Mathematics (IAM'24)	2024				https://events.univ-guelma.dz/iam2024/index.html
	Hyperledger Fabric Blockchain in Food Supply Chain	Ziaya Ilyes Farou Brahim Zineddine kouahla Seridi Hamid	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024				https://events.univ-guelma.dz/iam2024/index.html

Communications internationales	Improved Electric Load Prediction with Transfer Learning and Temperature Data,	FARAH Rania FAROU Brahim KOUAHLA Zineddine SERIDI Hamid	THE 7TH INTERNATIONAL CONFERENCE ON INFORMATICS AND APPLIED MATHEMATICS IAM'24	2024				https://events.univ-guelma.dz/iam2024/index.html
	Optimizing Power Generation and Reducing CO2 Emissions with Machine Learning Models	FARAH Rania FAROU Brahim KOUAHLA Zineddine SERIDI Hamid	THE 1ST INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE & TELECOMMUNICATION	2024				
	Enhancing Precision Agriculture through Drone-Assisted IoT Sensor Data Collection	Mabrek Zahia FAROU Brahim KOUAHLA Zineddine SERIDI Hamid	International Conference on Emerging Intelligent Systems for Sustainable Development	2024				
	Tree-Based Structure for Time Series Data Management in Smart Grids	Brahmia Abdelbacet Benrazek Alaeddine KOUAHLA Zineddine SERIDI Hamid FAROU Brahim	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024				https://events.univ-guelma.dz/iam2024/index.html
	Enhancing Intrusion Detection Systems Through Simultaneous Feature Selection and Hyperparameter Tuning	Moudjib Rahmane Benzitouni Abdelhakim Hannousse	13th International Conference on Information Systems and Advanced Technologies (ICISAT 2023)	2024	Scopus			https://link.springer.com/chapter/10.1007/978-3-031-60594-9_18

Communications internationales	A Personalized Restaurant Recommendation System Using ML-TOPSIS Approach	Maroua Chemlal Amina Zedadra Ouarda Zedadra Md Nadjib Kouahla	Proceedings of the International Conference on Emerging Intelligent Systems for Sustainable Development (ICEIS 2024)	2024	/	/	/	https://www.atlantispress.com/proceedings/iceis-24/126002686
	A Restaurant Recommendation System based on Collaborative Filtering using Machine Learning Algorithms and the Multi-Criteria Method.	Maroua Chemlal Amina Zedadra Ouarda Zedadra Md Nadjib Kouahla	The 13th Conference on Research in computing at Feminine (RIF 2024)	2024	/	/	/	
	Influence of artificial intelligence for Next POIs Prediction	Maroua Chemlal Amina Zedadra Ouarda Zedadra Md Nadjib Kouahla	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024	/	/	/	
	Online Matching based Firefly Algorithm for Dynamic Ridesharing	Hiba Abdelmoumène Amina Boucena	RIF 2024, The 13th Conference on Research in computing at Feminine (RIF 2024)	2024				https://www.univ-constantine2.dz/rif/
	Semantic Manipulation of StyleGAN3 Latent Space for Controlled Face Image Generation	Ali Séridi Nabia Azizi Yamina Bordjiba Hayet Farida Merouani Ayet El Nour Djemmam	10th International Conference on Computing, Engineering, and Design	2024				https://icced.nusaputra.ac.id/

Communications internationales	An Intelligent Rules-Based Assistant for Personalized Learning and Student Support	Yamina Bordjiba Riad Bourbia Ali Seridi	10th International Conference on Computing, Engineering, and Design	2024				
	A Knowledge Graph-based Approach for Business Processes Integration in Smart Grids	Bouhaouche Ibtissem Khebizi Ali	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024	/	/	/	https://events.univ-guelma.dz/iam2024/index.html
	Proof of Useful Work: Applications to solve transportation problems	Yehya Bouchbout Brahim Farou Hamid Seridi Alaeddine Berrazek	The 7th International Conference on Informatics and Applied Mathematics IAM'24					
	An enhanced Approach for handling missing data	Bouressace Kawkeb Khebizi Ali	The 7th International Conference on Informatics and Applied Mathematics IAM'24					
	Towards Optimized Dynamic Ridesharing System through Multi-Objective Reinforcement Learning	Hiba Abdelmoumène Sara Boussahoul	2024 IEEE International Multi-Conference on Smart Systems and Green Process (IMC-SSGP)	2024	IEEE			

Communications internationales	A Survey on Dataset Development Techniques for QA Systems	Aicha Aggoune	The 7th International Conference on Informatics and Applied Mathematics IAM'24	2024				
	Towards Efficient Dataset Development: A Case Study of M2Q2+ in Movie QA Systems	Aicha Aggoune Zakaria Mihoubi	The 6th Edition of the International Conference on Advanced Aspects of Software Engineering (ICAASE24)	2024	IEEE			https://www.univ-constantine2.dz/icaase2024/
	ANALYZING LEARNER ATTENTION WITH WEBGAZER.JS IN E-LEARNING SYSTEM	Safia Bendjebar Sirine Touahri Yacine Lafifi Adil Boughida						
	Unveiling Interactive Narratives: Enhancing MOOCs with Interaction Fiction	Abdenmour Redjaibia Samia Drissi Karima Boussaha Sevinç Gülseçen Yacine Lafifi	Novel & Intelligent Digital Systems Conferences	2024	Springer Nature Switzerland		702-706	https://nids2024.uniwa.gr/
	Outdoor Objectets detection for Visually Impaired People: Navigation Assistance Based on a Lightweight Object Detector model and Depth Camera	Hallaci Samir Séridi Hamid Hamici Adem Guerroui Nadia						

Communications internationales	Enhancing Student Learning: Automatic Support in an Educational Social Network	Bouguettaya, S. Zedadra, A. Zedadra, O	6th International Conference on Pattern Analysis and Intelligent Systems (PAIS)	2024	Scopus			https://ieeexplore.ieee.org/abstract/document/10541146
	A restaurant recommendation system based on collaborative filtering using machine learning algorithms and the multi-criteria method	Chemlal, M. Zedadra, A. Zedadra, O. Kouahla, M. N.	The 13th Conference on Research in computing at Feminine	2024	Scopus			https://www.univ-constantine2.dz/rif/
	Optimized LFA Algorithm for Multi-Robot Foraging	Amina Zedadra Ouarda Zedadra Hamid SERIDI	The 7th International Hybrid Conference on Informatics and Applied Mathematics IAM'24	2024				https://labstic.univ-quelma.dz/sites/labstic.univ-quelma.dz/files/Book%20Abstract%20IAM24_0.pdf
		Zohra Mehenaoui Chayma Merabti Houda Tadjer Yacine Lafifi	RIF 2024, The 13th Conference on Research in computing at Feminine	2024				
	Blockchain-Driven Data Security in Educational Social Networks: A SecureChain Approach	Amina Zedadra Ouarda Zedadra Sirine Bouguettaya	The 7th International Hybrid Conference on Informatics and Applied Mathematics IAM'24					
	M2Q2: A Text-to-MQL Dataset for Movie QA Systems	Aicha Aggoune Zakaria Mihoubi	6th Mediterranean Conference on Pattern Recognition and Artificial Intelligence (MedPRAI24)	2024	Scopus			https://medprai.com/index.html

Communications nationales	Leveraging YOLOv9 in Agriculture: An Intelligent System for Efficient Weed Detection	Imane Bouacida Brahim Farou Hamid Seridi Hadil Mouemene	The first National Conference on Artificial Intelligence and its Applications (NCAIA2024)	2024				https://rs.umc.edu.dz/mia/conferences/ncaia2024/
	CycleGAN-Based Image Synthesis for Improved Plant Disease Detection	Imane Bouacida Brahim Farou Aissa Klai Hamid Seridi	The National Conference on Computational Engineering, Artificial Intelligence and Smart Systems NCCEIASS2024	2024				https://lss-ncceaiss.org/
	Integrating GANs with Federated Learning for Robust and Scalable Network Intrusion Detection.	Djallel Hamouda M. A. Ferrag	National Conference of Applied Sciences and Engineering (NCASE'24).	2024				
	ML-Based Intrusion Detection for Internet of Medical Things: A Comparative Analysis.	Karima Benhamza Manar Bensaada	National Conference for Applied Sciences and Engineering (NCASE'24)	2024				https://ensta.edu.dz/ncase/

Communications nationales	Comparative Evaluation of Machine Learning Models for Forest Fire Prediction Using Algerian Environmental Data	Karima Benhamza Loubna Seddiki	The 1st National Conference on Artificial Intelligence and Information Technology (NCAIIT'2024)	2024				https://ncaiit-2024.sciencesconf.org/
	A Semantic Structure for Smart Grain Warehouse Control	Djakhdjakha Lynda Farou Brahim	The 1st National Conference on Artificial Intelligence and Information Technology (NCAIIT'2024)	2024				https://ncaiit-2024.sciencesconf.org
	Enhancing Traceability Query in Blockchain-Based Food Supply Chains Using a Merkle B+ Tree Indexing Technique.	Ziaya Ilyes Farou Brahim Zineddine kouahla Seridi Hamid	The National Conference on Computational Engineering, Artificial Intelligence and Smart Systems- NCCEIASS2024	2024				
	Optimizing Electricity Demand Forecasting through Transfer Learning and Temperature-Driven Insights	FARAH Rania Farou Brahim Zineddine kouahla Seridi Hamid	National Conference on Computational Engineering, AI and Smart Systems	2024				

Communications nationales	Electricity Consumption Prediction: Impact of Seasonal Variations with Linear Regression and Neural Networks	FARAH Rania Farou Brahim Zineddine kouahla Seridi Hamid	The First National Conference on Artificial Intelligence and its Applications (NCAIA2024)	2024				
	Transforming Algerian Agriculture with Smart Farming: Using Drones to Improve Crop Quality and Sustainability	Mabrek Zahia Farou Brahim Zineddine kouahla Seridi Hamid	The First National Conference on Artificial Intelligence and its Applications (NCAIA2024)	2024				
	Drone-Based Smart Parking System for High-Traffic Areas Using Reflector Detection and Real-Time Vehicle Guidance	Mabrek Zahia Farou Brahim Zineddine kouahla Seridi Hamid	The First National Conference on Artificial Intelligence and its Applications (NCAIA2024)	2024				
	Smart Tourism Recommendation System Leveraging Deep Learning and Machine Learning Techniques	Maroua Chemlal Amina Zedadra Akram Boughazi MD NADJIB Kouahla	The First National Conference on Artificial Intelligence and its Applications (NCAIA2024)	2024				

Communications nationales	Tailored POIs Recommendations: A Machine Learning Approach to Personalized Experiences	Maroua Chemla Amina Zedadra MD NADJIB Kouahla	The National Conference on Computational Engineering, Artificial Intelligence and Smart Systems (NC2EASIS22)	2024				
	Supervised machine learning approaches for SIM Box Fraud detection: Review of current works	Ahmed Rami Bouguettoucha Aicha Aggoune	The First National Conference on Advanced in Telecommunications, Electronics and Computer Engineering (ATECE24)	2024				https://sites.google.com/view/atece24
	A New Multi-Robots destructive Foraging Algorithm	Ouarda zedadra Amina zedadra Douaa Ghelis	First National Conference on Advances in Telecommunications, Electronics and Computer Enginneering (ATECE'24)	2024				

Communications nationales	Détection des difficultés d'apprentissage dans un réseau social éducatif	Amina Zedadra Ouarda Zedadra Hind ABIDAT	The First National Conference on New Educational Technologies and Informatics 2024	2024				
	Industry 4.0 Role in Ensuring Sustainable Food Supply Chains	Alaeddine Berrazek Yehya Bouchbout Brahim Farou Hamid Seridi	National Symposium on Harmony in Flux: Exploring Interdisciplinary Perspectives on Nature, Environment, and Environmental Changes					
	Business Process Activities Prediction through Capsule Neural Net framework	Ali KHEBIZI Chaima AFIFI Khaled HALIMI	Algerian Doctoral Conference in Computer Science (ADCCS'2024)	2024				