




MAKHLOUF LEDMI

ASSOCIATE PROFESSOR

PROFIL

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LANGUES

Arabic 

French 

English 



FORMATION

2020

Batna, Algeria

Ph.D IN COMPUTER SCIENCES

Mustafa Ben Boulaïd University of Batna

2010

Khenchela, Algeria

M.Sc IN COMPUTER SCIENCES

Abbes Laghrou University of Khenchela

ABBES LAGHROUR UNIVERSITY OF KHENCHELA

Associate Professor

- Data mining: Association rules. Frequent, generator and closed patterns.
- Soft computing: Swarm intelligence (PSO, CSA), Evolutionary computing.
- Computational biology: Gene regulatory network inference.

DIRECTORATE OF NATIONAL EDUCATION, KHENCHELA

Computer Science Engineer

- *2000-2012*

- ➔ M.E.H. Souidi, H. Haouassi, **Makhlouf Ledmi**, T.M Maarouk, and A. Ledmi. A discrete particle swarm optimization coalition formation algorithm for multipursuer multi-evader game. *Journal of Intelligent & Fuzzy Systems*, 44(01):757–773, 2023.
- ➔ M.E.H. Souidi, T.M Maarouk, **Makhlouf Ledmi**, A. Ledmi, and H. Rahab. Multi-pursuer multi-evader games based on dynamic elimination priorities of the dominated strategies. *Journal of Computer and Systems Sciences International*, 62(02):398–411, 2023.
- ➔ **Makhlouf Ledmi**, M.E.H Souidi, M. Hahsler, A. Ledmi, and C. Kara-Mohamed. Mining association rules for classification using frequent generator itemsets in arules package. *International Journal of Data Mining, Modelling and Management*, 15(02):203–221, 2023.
- ➔ **Makhlouf Ledmi**, Samir Zidat, and Aboubekour Hamdi-Cherif. Grafci+ a fast generator-based algorithm for mining frequent closed itemsets. *Knowl and Inf Syst*, 63(2):1873–1908, 2021.
- ➔ **Makhlouf Ledmi**, Hamouma Moumen, Abderrahim Siam, Hichem Haouassi, and Nabil Azizi. A discrete crow search algorithm for mining quantitative association rules. *International Journal of Swarm Intelligence Research (IJSIR)*, 12(4):101–124, October 2021.
- ➔ A. Bekhouche, H. Haouassi, R. Mahdaoui, H. Rahab, and **Makhlouf Ledmi**. Adcsa-wsd: Adapted discrete crow search algorithm for word sense disambiguation. *Revue d’Intelligence Artificielle*, 36(01):131–138, 2022.
- ➔ **Makhlouf Ledmi**, Abdeldjalil Ledmi, and Mohammed El Habib Souidi. Classification of xml documents using semantic resources. In *2021 International Conference on Recent Advances in Mathematics and Informatics (ICRAMI)*, pages 1–5, 2021.
- ➔ Abdeldjalil Ledmi, **Makhlouf Ledmi**, and Mohammed El Habib Souidi. Fault tolerance in cloud computing: A survey. In *2021 International Conference on Recent Advances in Mathematics and Informatics (ICRAMI)*, pages 1–6, 2021.
- ➔ M.E.H. Souidi, **Makhlouf Ledmi**, T.M Maarouk, A. Siam, and A. Ledmi. Multiagent

dynamic leader-follower path planning applied to the multi-pursuer multievader game. 2024.

➔ A. Ledmi, **Makhlouf Ledmi**, M.E.H. Souidi, H. Haouassi, and D. Bardou. Optimizing task scheduling in cloud computing using discrete tuna swarm optimization. 2024.

➔ **Makhlouf Ledmi**, M.E.H. Souidi, A. Hamdi-Cherif, A. Ledmi, H. Haouassi, and C. Kara-Mohamed. Metaheuristic gene regulatory networks inference using discrete crow search algorithm and quantitative association rules. 2024.

➔ **Makhlouf Ledmi**, A. Ledmi, M.E.H. Souidi, A. Hamdi-Cherif, , T.M. Maarouk, and C. Kara-Mohamed. High utility itemsets mining integrating an improved crow search algorithm and particle search optimization. 2024.