

# CV Mohamed Ben Halima

Google Scholar H-index 16

Scopus H-index 11

**1. Nom et prénom de l'expert : Ben Halima Mohamed**

**2. Date de naissance : 10/05/1973 à Sfax**

**3. Nationalité : Tunisienne**

**4. Niveau d'études : Doctorat**

Institution (Dates : début – fin)	Diplôme(s) obtenu(s)/Discipline/Spécialité
ENIS (2006-2013)	■ Doctorat/Ingénierie des Systèmes Informatiques/Informatique
ENIS (2003-2005)	■ Master/Nouvelles Technologies des Systèmes Informatiques dédiés/Informatique

**5. Compétences clés : OCR, Classification, Deep Learning**

**6. Affiliation à des associations/groupements professionnels :**

L'Institut Supérieur d'Informatique et de Multimédia-Sfax (ISIMS)

REGIM-Lab: REsearch Groups in Intelligent Machines

**7. Liste des projets de Recherche et Développement**

Depuis - Jusqu'à	Titre du projet	Nature du projet/partenaires
2016-2020	PBMLT : Plateforme Biométrique Multimodale de Lutte contre le Terrorisme	Projet PRF/ REGIM-Lab (ENIS), LPCMC (CBS), GEOGLOB (FSS), CEM (ENIS), SAGE (ENISo) et ProCAN (PME)
2019-2021	TuLiPa: Tunisian Living Patrimony Une Plateforme de Sauvegarde et de Valorisation du Patrimoine Culturel Tunisien Ancien	Projet PRF/ REGIM-Lab (ENIS), METINT-Lab (FLSHS), LERIC-Lab (FLSHS) et Technopole de Sfax

**8. Expérience professionnelle :**

Depuis - Jusqu'à	Employeur	Poste
Juillet 2013	Ministère de l'enseignement Supérieure	Maitre-Assistant
Septembre 2010 - Juillet 2013	Ministère de l'enseignement Supérieure	Assistant de l'enseignement supérieur
Septembre 2005- septembre 2010	Ministère de l'enseignement Supérieure	Assistant contractuel de l'enseignement supérieur

## 9. Publications

### Journals papers

1. Ouali, I., **Halima, M. B.**, and Wali, A. (2023). An augmented reality for an arabic text reading and visualization assistant for the visually impaired. *Multimedia Tools and Applications*, pp. 1-29. (Q1, IF= 3.6 (2022))
2. Neji, H., **Halima, M.B.**, Nogueras-Iso, J. et al. (2023). Deep architecture for super-resolution and deblurring of text images. *Multimedia Tools and Applications*, 1-29. (Q1, IF= 3.6 (2022)).
3. Hala Neji, **Mohamed Ben Halima**, Tarek M. Hamdani, Javier NoguerasIso and Adel M. Alimi (2021). Blur2Sharp: A GAN-based Model for Document Image Deblurring. *International Journal of Computational Intelligence Systems*, vol. 14, no. 1, pages 1315–1321. (Q2, IF= 2.9 (2022)).
4. Zied Selmi, **Mohamed Ben Halima**, Pal Umapada, and Adel M. Alimi (2020). "DELP-DAR system for license plate detection and recognition". *Pattern Recognition Letters*, vol. 129, p. 213-223. (Q1, IF= 5.1 (2022))

### Conferences Papers

1. I. Ouali, R. Fourati, **M. Ben Halima** and A. Wali, A Novel Method for Arabic Text Detection with Interactive Visualization, 2023 IEEE Symposium on Computers and Communications (ISCC), Gammarth, Tunisia, 2023, pp. 1046-1050,  
DOI: 10.1109/ISCC58397.2023.10218141. (Rank C)
2. I. OUALI, **M. Ben Halima** and A. WALI, Real-Time Application for Recognition and Visualization of Arabic Words with Vowels based DL and AR, 2022 International Wireless Communications and Mobile Computing (IWCMC), Dubrovnik, Croatia, 2022, pp. 678-683,  
DOI: 10.1109/IWCMC55113.2022.9825089. (Rank B)
3. Ouali I, **Halima MB**, Wali A (2022), Text detection and recognition using augmented reality and deep learning. *International conference on advanced information networking and applications*, pp 13–23. Springer. (Rank B)
4. Imene OUALI, **Mohamed BEN HALIMA**, Ali WALI, Augmented Reality for Scene Text Recognition, Visualization and Reading to Assist Visually Impaired People, *Procedia Computer Science*, Volume 207, 2022, Pages

158-167, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2022.09.048>.

5. Ouali, I., Hadj Sassi, M. S., **Ben Halima, M.**, and Wali, A. (2021). Architecture for real-time visualizing arabic words with diacritics using augmented reality for visually impaired people. In International Conference on Advanced Information Networking and Applications, pages 285–296. Springer. (Rank B)
6. Ouali, I., **Halima, M. B.**, and Wali, A. (2020). A new architecture based AR for detection and recognition of objects and text to enhance navigation of visually impaired people. *Procedia Computer Science*, Volume 17. Pages 602–611
7. Zied Selmi, **Mohamed Ben Halima**, Ali Wali and Adel M. Alimi, A Framework of Text Detection and Recognition from Natural Images for Mobile Device”. In The 9th International Conference on Machine Vision (ICMV), Nice, France, (Rank C)
8. H. Neji, J. Noguera-Iso, J. Lacasta, **M. Ben Halima** and A. M. Alimi, Adversarial Autoencoders for Denoising Digitized Historical Documents: The Use Case of Incunabula, 2019 International Conference on Document Analysis and Recognition Workshops (ICDARW), Sydney, NSW, Australia, 2019, pp. 31-34, doi: 10.1109/ICDARW.2019.50112. (Rank A)
9. I. Beltaief and **M. B. Halima**, Deep FCN for Arabic Scene Text Detection, 2018 IEEE 2nd International Workshop on Arabic and Derived Script Analysis and Recognition (ASAR), London, UK, 2018, pp. 129- 134, DOI: 10.1109/ASAR.2018.8480394.
10. H. Turki, **M. Ben Halima** and A. M. Alimi, Text Detection Based on MSER and CNN Features, 2017 14th IAPR International Conference on Document Analysis and Recognition (ICDAR), Kyoto, Japan, 2017, pp. 949-954, DOI: 10.1109/ICDAR.2017.159. (Rank A)
11. Z. Selmi, **M. Ben Halima** and A. M. Alimi, Deep Learning System for Automatic License Plate Detection and Recognition, 14th IAPR International Conference on Document Analysis and Recognition (ICDAR), Kyoto, Japan, 2017, pp. 1132-1138, DOI: 10.1109/ICDAR.2017.187. (Rank A)
12. S. Sayahi and **M. Ben Halima**, An intelligent and robust multi-oriented image scene text detection, 2014 6th International Conference of Soft

Computing and Pattern Recognition (SoCPaR), Tunis, Tunisia, 2014, pp. 418-422,

DOI: 10.1109/SOCPAR.2014.7008043.

13. H. Turki, **M. Ben Halima** and A. M. Alimi, Text detection in natural scene images using two masks filtering, 2016 IEEE/ACS 13th International Conference of Computer Systems and Applications (AICCSA), Agadir, Morocco, 2016, pp. 1-6, DOI: 10.1109/AICCSA.2016.7945644. (Rank C)

**Best paper**