

Curriculum Vitae



Marital Status

First Name: Thameur

Last Name: Dhieb

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Teaching activities

From October 2022 to present: Assistant Professor at the Higher Institute of Business Administration of Gafsa.

- Course Machine learning for master's degree in data science.
- Course Algorithm complexity for master's degree in data science.
- Course Statistical Analysis System for master's degree in data science.
- Course Big Data Visualization for master's degree in data science.
- Course Introduction to information systems for first license's degree in business computing.
- Course Information systems security for second license's degree in business computing.

From September 2009 to September 2022: Teaching at the Higher Institute of Applied Sciences and Technology of Gafsa with the rank Professor Common Core of Computer Science.

- Algorithms and Programming: Course.
- Computer Workshop 1: Practical works (C programming language).
- Data bases: Course.
- Computer Workshop 2: Practical works (ACCESS).

- C2i-1: Course and Practical works.
- C2i-2: Course and Practical works.

High school and university

- December 2021: PhD in Computer science from the Higher Institute of Computer Sciences and Communication Techniques of Hammam Sousse, university of Sousse, Tunisia.
- February 2012: Master diploma in Computer science “Information Systems and New Technologies”, Faculty of Economics and Management of Sfax. Thematic "A personalized information retrieval system", university of Sfax, Tunisia.
- June 2008: License diploma in Computer science “Data processing on management”, Faculty of Economics and Management of Sfax. Thematic "Management a law firm: case of study Mohamed Mrabet - Sfax", university of Sfax, Tunisia.
- June 2004: Baccalaureate diploma of Mathematics, High School City El Habib Sfax.

Publications

I. international journal:

[J1] **Thameur Dhieb**, Houcine Boubaker, Sourour Njah, Mounir Ben Ayed and Adel M. Alimi. "A novel biometric system for signature verification based on score level fusion approach" Multimedia Tools and Applications, 2022.

<https://doi.org/10.1007/s11042-022-12140-7>

(JCR 2021 by Clarivate: 2.757 ; SJR 2020 by SCImagoLab: 0.44 (Journal Q1))

[J2] **Thameur Dhieb**, Houcine Boubaker, Wael Ouarda, Sourour Njah, Mounir Ben Ayed and Adel M. Alimi. "Deep Bidirectional Long Short-Term Memory for Online Multilingual Writer Identification based on an Extended Beta-elliptic Model and Fuzzy Elementary Perceptual Codes." Multimedia Tools and Applications, 80, no. 9 pp 14075-14100, 2021.

<https://doi.org/10.1007/s11042-020-10412-8>

(JCR 2021 by Clarivate: 2.757 ; SJR 2020 by SCImagoLab: 0.44 (Journal Q1))

[J3] **Thameur Dhieb**, Nasser Rezzoug, Houcine Boubaker, Mounir Ben Ayed and Adel M. Alimi. "Do individual characteristics influence the Beta-elliptic modeling errors during ellipse drawing movements?" Computer Methods in Biomechanics and Biomedical Engineering, 1–11. 2021.

<https://doi.org/10.1080/10255842.2021.1978434>

(JCR 2021 by Clarivate: 1.763 ; SJR 2020 by SCImagoLab: 0.35 (Journal Q3))

[J4] Thameur Dhieb, Sourour Njah, Houcine Boubaker, Wael Ouarda, Mounir Ben Ayed, and Adel M. Alimi. "Towards a novel biometric system for forensic document examination." *Computers & Security*, 97: 101973, 2020.

<https://doi.org/10.1016/j.cose.2020.101973>.

(JCR 2021 by Clarivate: 4.438 ; SJR 2020 by SCImagoLab: 0.86 (Journal Q1))

[J5] Thameur Dhieb, Wael Ouarda, Houcine Boubaker, and Adel M. Alimi. "Beta-Elliptic Model for Writer Identification from Online Arabic Handwriting." *Journal of Information Assurance & Security* 11, no. 5, 2016.

<https://www.mirlabs.org/jias/secured/Volume11-Issue5/Paper27.pdf>.

(Journal Indexed in Thomson ISI Reuters and INSPEC)

[J6] Thameur Dhieb and Mahmoud Neji. "A personalized information retrieval system in a digital library." *International Journal of Web Applications (IJWA)*, Volume 3 Number 4, pp. 179-187, December 2011.

<https://www.dline.info/ijwa/fulltext/v3n4/3.pdf>

(Journal Indexed in DBLP)

II. Book chapter :

[Chap1] Thameur Dhieb, Houcine Boubaker, Sourour Njah, Mounir Ben Ayed, and Adel M. Alimi. "ASAR 2021 Online Arabic Writer Identification Competition" Book chapter in: Barney Smith E.H., Pal U. (eds) *Document Analysis and Recognition – ICDAR 2021 Workshops. ICDAR 2021. Lecture Notes in Computer Science*, vol 12916. Springer, Cham.

https://doi.org/10.1007/978-3-030-86198-8_25.

(Springer Book Chapter)

III. International conferences:

[C1] Yahia Hamdi, Bisma Rabhi, **Thameur Dhieb** and Adel M. Alimi. "Multi-head Self-attention and BGRU for Online Arabic Grapheme Text Segmentation." 2023 International Conference on Cyberworlds (CW2023).

[C2] Mohammed F. Allebawi, **Thameur Dhieb**, Islem Jarraya, Mohamed Neji, Nouha Farhat, Emna Smaoui, Khadija Moalla, Mariem Damak, Tarek M. Hamdani, Chokri Mhiri and Adel M.

Alimi. "A new online Arabic handwriting dataset for analyzing Parkinson's disease." 2023 International Conference on Cyberworlds (CW2023).

[C3] Thameur Dhieb, Houcine Boubaker, Nasser Rezzoug, Philippe Gorce and Adel M. Alimi. "Effect of age on hand drawing movement kinematics." Computer Methods in Biomechanics and Biomedical Engineering, Vol. 22 Issue sup1 S188–S190, 2019: 44th Congress of the Société de Biomécanique, Poitiers, France, October 28 – 30, 2019. ISSN: 1025-5842 (Print) 1476-8259 (Online)

<https://doi.org/10.1080/10255842.2020.1714235>.

(published by Taylor and Francis) : Présentation orale.

[C4] Thameur Dhieb, Houcine Boubaker, Wael Ouarda, Mounir Ben Ayed, and Adel M. Alimi. "Deep Bidirectional Long Short-Term Memory for Online Arabic Writer Identification Based on Beta-Elliptic Model." In 2019 International Conference on Document Analysis and Recognition Workshops (ICDARW), Sydney, Australia, September 20-25, 2019, vol. 6, pp. 35-40, 2019.

<https://doi.org/10.1109/ICDARW.2019.50113>.

(published by IEEE and Indexed in DBLP) : Présentation orale.

[C5] Yahia Hamdi, Houcine Boubaker, Thameur Dhieb, Abdelkarim Elbaati, and Adel M. Alimi. "Hybrid DBLSTM-SVM based Beta-elliptic-CNN Models for Online Arabic Characters Recognition." In 2019 International Conference on Document Analysis and Recognition (ICDAR), Sydney, Australia, September 20-25, 2019, pp. 545-550. IEEE, 2019. ISBN: 978-1-7281-3014-9.

<https://doi.org/10.1109/ICDAR.2019.00093>.

(Class A Conference from CORE 2020) : Présentation orale.

[C6] Thameur Dhieb, Wael Ouarda, Houcine Boubaker, and Adel M. Alimi. "Deep neural network for online writer identification using beta-elliptic model." In 2016 International Joint Conference on Neural Networks (IJCNN), Vancouver, Canada, July 24-29, 2016, pp. 1863-1870. IEEE, 2016. ISBN: D978-1-5090-0621-2.

<https://doi.org/10.1109/IJCNN.2016.7727426>.

(Class A Conference from CORE 2017) : Présentation orale.

[C7] Thameur Dhieb, Wael Ouarda, Houcine Boubaker, Mohamed Ben Halima, and Adel M. Alimi. "Online Arabic writer identification based on beta-elliptic model." In 2015 15th

International Conference on Intelligent Systems Design and Applications (ISDA), Marrakesh, Morocco, December 14-16, 2015, pp. 74-79. IEEE, 2015. ISBN: 9781467387101.

<https://doi.org/10.1109/ISDA.2015.7489203>.

(Class C Conference from CORE 2017) : Présentation orale.

[C8] **Thameur Dhieb** and Mahmoud Neji. "A personalized information retrieval system." In Proceedings of International Conference on Information Technology and E-service (ICITeS'2011), Sousse, Tunisia, April 10–12, 2011, pp. 270-273, (ISBN 978-9938-9511-0-3), 2011. **Présentation orale.**

International visibility:

Google Scholar : h-index 8 ; i10-index 7

<https://scholar.google.com/citations?hl=en&user=NLPfHIMAAAAJ>

Scopus : h-index 5

<https://www.scopus.com/authid/detail.uri?authorId=57190215701>

ORCID iD :

<https://orcid.org/0000-0001-9173-2204>

Web of Science ResearcherID :

<https://www.webofscience.com/wos/author/record/2376516>

DBLP :

<https://dblp.uni-trier.de/pid/86/10832.html>

AMiner :

<https://www.aminer.org/profile/thameur-dhieb/53f474bddabfaefdbba73bf>

Patent

-Thameur Dhieb, Wael Ouarda, Sana Mehri, Houcine Boubaker and Adel M. Alimi, “Système d'aide à l'apprentissage et d'évaluation de l'écriture manuscrite arabe basé sur le modèle Bêta-Elliptique”, published at the National Institute of Standardization and Industrial Property of Tunisia deposit number TN2018 / 0143 dated April 26, 2018.

Awards and scientific Distinctions:

- Europe Award at the 1st edition of the "World Cup of Invention and Scientific Research": Inventor Category, hosted by Tunisia during the "Tunisia TICAD Innovation 2022" event, held in conjunction with the 8th Tokyo International Conference on African Development (TICAD8).

- Best Research Poster Award at the "26th Workshop on Intelligent Machines: Theory & Applications," March 22-24, 2016.

Experience and professional activities

Member in Research laboratory: REsearch Groups in Intelligent Machines (REGIM-Lab) since December 2014.

Graduated member of the organization IEEE (Institute of Electrical and Electronics Engineers) Since September 2015.

- Participation in the 8th edition of the International Digital Health Forum and the Realities competition for innovative projects in digital health and artificial intelligence at the service of the patient taking place from May 4 to 6, 2023 in Hammamet, Tunisia.
- Participation in the day "Artificial Intelligence and Parkinson's disease" on February 18, 2023 at National School of Electronics and Telecommunications of Sfax, Tunisia.
- Participation and achievement of the Europe Award at the 1st edition of the "World Cup of Invention and Scientific Research": Inventor Category, hosted by Tunisia during the "Tunisia TICAD Innovation 2022" event, held alongside the 8th Tokyo International Conference on African Development (TICAD8).
- Participation in the 35th Workshop on Intelligent Machines: Theory & Applications, December 18 – 20, 2022 in Sousse, Tunisia.
- Participation in the Tunisian Forum on Artificial Intelligence AI@tn'2020, December 28 – 30, 2020, virtually.
- Participation in the 32th Workshop on Intelligent Machines: Theory & Applications, December 25 – 27, 2020, virtually.
- Participation in the 31th Workshop on Intelligent Machines: Theory & Applications, March 25 – 27, 2019 in Monastir, Tunisia.
- Participation in the 5th workshop in Intelligent Decision Support Systems IDSS'2019, June 12-13, 2019, Sfax, Tunisia.
- Participation in the 30th Workshop on Intelligent Machines: Theory & Applications, December 18 – 20, 2018 in Sousse, Tunisia.
- Participation in the organization of World Robot Olympiad Tunisian Qualifications in Sfax International Fair on September 26-30, 2018.
- Participation in the 4th Workshop on intelligent Decision Support Systems (iDSS- IoMT 2018), June 24, 2018 in Sfax, Tunisia.

- Participation in the organization of the 29th Workshop on Intelligent Machines: Theory & Applications, December 18 – 20, 2017 in Sousse, Tunisia.
- Participation in the 28th Workshop on Intelligent Machines: Theory & Applications, March 29 – 31, 2017 in Sfax, Tunisia.
- Participation in the 27th Workshop on Intelligent Machines: Theory & Applications, January 13 – 15, 2017 in Sousse, Tunisia.
- Participation in the organization of World Robot Olympiad Tunisian Qualifications in the National Engineering School of Sfax (ENIS) on October 1, 2016.
- Participation in the organization of 26th Workshop on Intelligent Machines: Theory & Applications, March 22 – 25, 2016 in Sousse, Tunisia.
- Participation in the 25th Workshop on Intelligent Machines: Theory & Applications, December 25 – 28, 2015 in Mahdia, Tunisia.
- Participation to the second IEEE CIS School on computational intelligence – theory and applications (CITA'2015), Gammarth, Tunisia, 12-15 November 2015.
- Participation in IEEEExtreme Programming Competition 9.0 on October 24, 2015.
- Participation in the organization of World Robot Olympiad Tunisian Qualifications in the National Engineering School of Sfax (ENIS) on October 7, 2015.
- Participation in the 24th Workshop on Intelligent Machines: Theory & Applications, March 16 – 19, 2015 in Hammamet, Tunisia.
- Participation in the 23th Workshop on Intelligent Machines: Theory & Applications, December 25 – 28, 2014 in Sousse, Tunisia.
- Obtaining the Computer Science and Internet Certificate « C2i » from the Virtual University of Tunis, 2010.
- Participation in the project “Best with us better English in short time with universal student”, 2008.
- Stage of one-month internship in: BEST SHOWING: Implementing a system of cash management, 2007.
- Stage of two weeks internship in: ABS COMPUTER: Programming Service, 2005.

Participation in research projects:

- Member of the research project titled "Platform for Diagnosis and Monitoring of Parkinson's Disease through Modeling and Deep Learning of Micrography" under the

coordination of Mr. Tarek M. Hamdani, Lecturer at the Higher Institute of Computer Science of Mahdia.

- Member of the research project Paq-collabora titled "Artificial Intelligence for Neurodegenerative and Cerebrovascular Diseases" under the coordination of Mr. Mohamed Neji, Assistant Professor at the National School of Electronics and Telecommunications of Sfax.

Review activities

1. Review for international scientific journals

- Egyptian Informatics Journal (Impact Factor 3.943).
- Expert Systems with Applications (Impact Factor 6.954).
- Neurocomputing (Impact factor 5.719).
- Cognitive Computation (Impact Factor 5.418).
- Sensors (Impact factor 2.3360).
- Applied Sciences (Impact factor 0.4400).
- Journal of Imaging (Impact Factor 4.90.0).

2. Review for international conferences

- 9th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (2022 IEEE SETIT).
- 28th IEEE Symposium on Computers and Communications (IEEE ISCC 2023).

Training followed

- November 16, 2019: "Montage de Projets CBHE Erasmus+ selon la norme ISO 21500" organized by Erasmus+ Tunisia.
- July 10, 2019: Machine Learning Training "DevRel MENA Study Jams July'19" organized by the Ministry of Industry and PME, the company Instadeep and Google Developer Group Carthage.
- April 03, 2019: "Intellectual Property and Patent writing" led by National School of Engineers of Sfax.
- 03-05 September 2018: "Training on Big Data" organized by PROCAN society.
- 18-20 December 2018: "Training on how to learn from review" organized by IEEE Tunisia Section.
- Obtaining the certificate of achievement for the completion of "Build My 5 Stars App program" organized by INTILAQ and Microsoft, September 2016.

- 13-14 June 2016: "Training on the art of efficient presentation" organized by IEEE Tunisia Section.
- May 14, 2016: "Training on developing applications using Flickr App Garden" organized by IEEE Tunisia Section.
- May 07, 2016: "Training on writing scientific papers with Latex" organized by IEEE Tunisia Section.
- February 20, 2016: "Training on Programming Android Application with MIT App Inventor V2" organized by IEEE Tunisia Section.
- January 30, 2016: "Training on Matlab Prototyping with Raspberry Pi" organized by IEEE Tunisia Section.
- January 23, 2016: "Training on Programming with Python" organized by IEEE Tunisia Section.
- 18 to 20 April 2011: Training Workshop "Ownership contained in C2i" at the Faculty of Sciences of Gafsa.
- April 14, 2010: "The use of new technologies in higher education" led by Mrs. Nawres Khalifa.
- March 11, 2010: "Virtual education" led by Mrs. Molka Belkadhi.
- March 3, 2010: "The coaching service of Higher Education" led by Mr. Jean Yves ARRIVES.
- February 17, 2010: "Presentation of the LMD system" led by Mr. Imam Alawi.
- January 20, 2010: "The way of preparing and presenting a lesson" led by Mr. Jalel Khediri.
- January 6, 2010: "Coaching in the service of Andragogy: Adult Learning" led by Mrs. Ahlem Ghazoueni.
- November 20, 2009: "Certification in Higher Education" led by Mr. Majdi Ayari.

Computing skills

- Operating Systems: Unix, Linux, MS / DOS, Windows XP, Vista.
- Programming Languages: Python, Matlab, Java, JavaScript, C / C + +, Windev, Vb, SQL, PL / SQL, Prolog HTML, PHP, Pascal, Assembler.
- Databases: Access, MySQL, Oracle, SQL Server, DBMS WinDev.
- Methodology: UML, MERISE, OMT.
- Development Environment: Visual Studio, Windev, Dreamweaver.

Languages

- Arabic: Mother tongue.
- French: Reading, written and spoken.
- English: Reading, written and spoken.