Dr. BELAID BOUIKHALENE

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- o **Etudes et Diplômes**

- 2017 : Professeur de l'enseignement Supérieur (PES)

- 2011-Thèse d'Habilitation en Mathématiques et applications en Informatique et Télécommunications, Université Sultan Moulay Slimane, FST Béni Mellal.

- 2005-2007 : Diplômes. D'Etudes Supérieurs Approfondies, Discipline Informatique et Télécommunication, UFR : Système, Communication et traitement de l'information, Faculté des Sciences, Université Ibn Tofail Kénitra. Mention : Bien.

- 2001 : DOCTORAT EN SCIENCES, Discipline Analyse harmonique, obtenu à la Faculté des Sciences de Kénitra – Université Ibn Tofail, Kénitra.
  Mention : Très Honorable (à l'unanimité du Jury).

- 1997 : Diplôme d'ETUDES SUPERIEURS DE TROISIEME CYCLE. Discipline : Analyse Mathématique, obtenu à la Faculté des Sciences de Kénitra. - Université Ibn Tofail, Kénitra. Mention : Très Honorable avec les félicitations du Jury

- 1995 : Certificat des Etudes Approfondies en Mathématique obtenu à la Faculté des Sciences de Kénitra – Université Ibn Tofail Mention : Bien.

- 1994 : Licence en Mathématique obtenue à la Faculté des Sciences D'Agadir – Université Ibn Zohr. Mention : A. Bien.

  - o **EXPERIENCES ET RESPONSABILITES UNIVERSITAIRES**
- Directeur de pole digital de l'université Sultan Moulay Slimane depuis 2021
- Expert affilié à CNRST depuis 2018
- Vice-Doyen chargé de la pédagogie à la faculté d'Economie et de Gestion de Béni Mellal
- Responsable du centre d'examen de Azilal

- Responsable du Centre Universitaire des Ressources Informatique à l'université Sultan Moulay Slimane

- Vice-Doyen chargé de la recherche scientifique et de la coopération à la Faculté Polydisciplinaire de Béni Mellal

- Directeur de Centre d'Etudes Doctorales CED à la Faculté Polydisciplinaire de Béni Mellal

- Vice-Doyen chargé de la pédagogie à la faculté Polydiciplinaire de Béni Mellal

- Directeur du Laboratoire de Recherche Scientifique LIMATI

- Chef de Département de Mathématiques et Informatique à la FP Béni Mellal,

- Chargée de Mission en Numérique à l'université Sultan Moulay Slimane.

- Responsable du Système d'information de l'université Sultan Moulay Slimane.

- Responsable de « APOGEE » à l'université Sultan Moulay Slimane

- Responsable de la plateforme pédagogique de l'université Sultan Moulay Slimane

- Responsable de la plateforme de préinscription de l'université Sultan Moulay Slimane

- Responsable du Campus Numérique de l'agence universitaire de l'AUF de CNFP Béni Mellal.

- Coordonnateur du Master Management des ressources humaines MRH

- Coordonnateur du Master Contrôle Comptabilité et Audit CCA

- Coordonnateur du MOOC « Mise en Place d'un Projet de Business Intelligence dans une Entreprise » MPPBIE

- Coordonnateur de la licence d'université Informatique de Gestion

- Coordonnateur de licence d'excellence « Impression 3D et Intelligence Artificielle ».

- Coordonnateur du Master d'université Business Intelligence et Management de projets d'Entreprise

- 2011-2017 Responsable de la plateforme de E-Learning plateforme Moodle de l'université Sultan Moulay Slimane

- 2013-2017 Responsable du Laboratoire des TP   virtuels au Maroc

http://ressources.unisciel.fr/tp_virtuels/menu/co/contacts.html

    o **Recherche Scientifique et Coopération**

- Domaines de Recherches : Sciences de l'information, ERP, Mathématiques et applications, Traitement d'image, Intelligence Artificielle, Big Data, Analyse de données,

Bases de Données, Système d'Information, Business Intelligence, Management des ressources Humaines, E-Learning, Moocs

- 2012-2018 Partenaire dans les projets : e_Omed, Tempus P@lmes, Tempus EOLES, Tempus Mission, Erasmus+ RISE, Erasmus+ Experes, Erasmus+ MIMIR

- Président de la 17eme édition d'Internationale Arabe Conférence sur les Technologies de l'information ACIT'2016.

  https://www.youtube.com/watch?v=bGXip8q-uOM&feature=youtu.be

  http://acit2k.org/ACIT/images/stories/year2014/month1/Propos_acit_program_Final.pdf

- Membre du comité Exécutif de la Conférence ACIT

  http://acit2k.org/ACIT/index.php/steering-committee-2018
- Membre du comité de lecture dans Americain Mathematical Society

- Membre du comité de lecteur dans des Journaux de Elsevier

- Membre du comité d'organisation de 13th International Conférence Computer Graphics, Imaging and Visualisation (CGiV2016)

- Membre du comité d'organisation des conférences CBI'14, CBI'17, CBI'18

- Représentant de l'université dans le congrès de l'association e-Omed à Hammamet en Tunis

- Membre du bureau de l'association d'Informatique Décisionnelle

- Membre de la l'association « Société de Mathématique du Maroc » SMM

- Membre permanent dans le groupe « Research Group in Mathematical Inequalities and Applications"

  HTTPS://RGMIA.ORG/MEMBERS.PHP#B

Scopus

Liste des publications indexes scopus

1) Ellahiani, I., Bouikhalene, B.

   Ulam–Hyers stability of some linear differential equations of second order
   (2023) *Examples and Counterexamples*, 3, art. no. 100110, .

2) Ouassam, E., Hmina, N., Bouikhalene, B.

   Design of intelligent agent on Moodle to automate the learning assessment process
   (2023) *Indonesian Journal of Electrical Engineering and Computer Science*, 31 (3), pp. 1665-1672.

3) Madani, Y., Erritali, M., Bouikhalene, B.

   A new sentiment analysis method to detect and Analyse sentiments of Covid-19 moroccan tweets using a recommender approach
   (2023) *Multimedia Tools and Applications*, 82 (18), pp. 27819-27838.

4) Nemmaoui, S., Baslam, M., Bouikhalene, B.

   Privacy conditions changes' effects on users' choices and service providers' incomes
   (2023) *International Journal of Information Management Data Insights*, 3 (1), art. no. 100173, .

5) Nemmaoui, S., Baslam, M., Bouikhalene, B.

   Game theory analysis of biometric systems market: Users choice VS service providers revenue
   (2023) *Theoretical Computer Science*, 943, pp. 142-152.

6) Ouassam, E., Hmina, N., Bouikhalene, B., Hachimi, H.

   Distribution and agentification of heuristic methods applied to complex systems in AI: a review of the literature
   (2023) *2023 9th International Conference on Optimization and Applications, ICOA 2023 - Proceedings*, .

7) Ouassam, E., Hmina, N., Bouikhalene, B.

   Handling the ED Problem Using a DTSA in Smart Grids
   (2023) *Lecture Notes in Networks and Systems*, 806 LNNS, pp. 232-245.

8) Rabhi, L., Jabir, B., Falih, N., Afraites, L., Bouikhalene, B.

   A Connected farm Metamodeling Using Advanced Information Technologies for an Agriculture 4.0
   (2023) *Agris On-line Papers in Economics and Informatics*, 15 (2), pp. 93-104.

9) Ouassam, E., Hmina, N., Bouikhalene, B., Hachimi, H.

   Agent-based Modeling and Simulation of Digital Learning Environment
   (2022) *8th International Conference on Optimization and Applications, ICOA 2022 - Proceedings*, .

10) Maarir, A., Azougaghe, E.-S., Bouikhalene, B.

   Automatic Change Detection Based on the Independent Component Analysis and Fuzzy C-Means Methods
   (2022) *Lecture Notes in Business Information Processing*, 449 LNBIP, pp. 178-187.

11) Rabhi, L., Falih, N., Afraites, L., Bouikhalene, B.

   A functional framework based on big data analytics for smart farming
   (2021) *Indonesian Journal of Electrical Engineering and Computer Science*, 24 (3), pp. 1772-1779.

12) El Hassani, M., Falih, N., Bouikhalene, B.

   Density-based classification with the DENCLUE algorithm
   (2021) *Indonesian Journal of Electrical Engineering and Computer Science*, 24 (1), pp. 269-278.

13) Rabhi, L., Falih, N., Afraites, L., Bouikhalene, B.

   Digital agriculture based on big data analytics: A focus on predictive irrigation for smart farming in Morocco
   (2021) *Indonesian Journal of Electrical Engineering and Computer Science*, 24 (1), pp. 581-589.

14) Madani, Y., Erritali, M., Bouikhalene, B.

Using artificial intelligence techniques for detecting Covid-19 epidemic fake news in Moroccan tweets
(2021) *Results in Physics*, 25, art. no. 104266, .

15) Hjouji, A., Bouikhalene, B., EL-Mekkaoui, J., Qjidaa, H.

New set of adapted Gegenbauer–Chebyshev invariant moments for image recognition and classification
(2021) *Journal of Supercomputing*, 77 (6), pp. 5637-5667.

16) Zyad, M.-A., Bouikhalene, B., Zyad, A.

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17) Ouassam, E., Hmina, N., Bouikhalene, B., Hachimi, H.

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18) Boutalline, M., Faouzi, H., Hamzaoui, R., Bouikhalene, B.

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(2021) *2021 International Conference on Optimization and Applications, ICOA 2021*, art. no. 9442650,

19) Madani, Y., Erritali, M., Bouikhalene, B.

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20) Dabachine, Y., Taheri, H., Biniz, M., Bouikhalene, B., Balouki, A.

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(2020) *Journal of Air Transport Management*, 89, art. no. 101917,

21) Mohadab, M.E., Bouikhalene, B., Safi, S.

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22) El Mohadab, M., Bouikhalene, B., Safi, S.

Automatic CV processing for scientific research using data mining algorithm
(2020) *Journal of King Saud University - Computer and Information Sciences*, 32 (5), pp. 561-567.

23) Hjouji, A., EL-Mekkaoui, J., Jourhmane, M., Bouikhalene, B.

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(2020) *Journal of Mathematical Imaging and Vision*, 62 (4), pp. 606-624.

24) Yassine, D., Hamza, T., Mohamed, B., Belaid, B., Abdessamad, B.

Optimization of Aircraft Operations on Airport Surface
(2020) *6th International Conference on Optimization and Applications, ICOA 2020 - Proceedings*, art. no. 9094472,

25) Dabachine, Y., Biniz, M., Bouikhalene, B., Balouki, A.

Conflict distribution prediction and optimization of aircraft in ground movements
(2020) *Journal of Theoretical and Applied Information Technology*, 98 (4), pp. 636-656.

26) Maarir, A., Ider, A.A., Bouikhalene, B.

Hierarchical Dimensionality Reduction Based Fuzzy C-Means Methods for Change Detection in Temporal Satellite Images
(2020) *Advances in Intelligent Systems and Computing*, 1105 AISC, pp. 273-286.

27) Ait Omar, D., Outanoute, M.H., Baslam, M., Fakir, M., Bouikhalene, B.

On understanding price-QoS war for competitive market and confused consumers
(2019) *Computing*, 101 (9), pp. 1327-1348.

28) El Mohadab, M., Bouikhalene, B., Safi, S.

Predicting rank for scientific research papers using supervised learning
(2019) *Applied Computing and Informatics*, 15 (2), pp. 182-190.

29) Mohamed, E.M., Bouikhalene, B., Ouatik, F., Safi, S.

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(2019) *Indonesian Journal of Electrical Engineering and Computer Science*, 14 (3), pp. 1382-1390.

30) Boutalline, M., Antari, J., Gouskir, M., Bouikhalene, B., Safi, S.
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(2019) *2019 International Conference on Optimization and Applications, ICOA 2019*, art. no. 8727665,

31) Bouikhalene, B., Elqorachi, E.
A Class of Functional Equations of Type d'Alembert on Monoids
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32) Rabhi, L., Falih, N., Afraites, A., Bouikhalene, B.

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33) Ouatik, F., Raoufi, M., Mohadab, M.E., Ouatik, F., Bouikhalene, B., Skouri, M.

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34) Hjouji, A., El-Mekkaoui, J., Jourhmane, M., Qjidaa, H., Bouikhalene, B.

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35) Outanoute, M., Garmani, H., Baslam, M., El Ayachi, R., Bouikhalene, B.

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(2019) *International Journal of Business Data Communications and Networking*, 15 (1), pp. 88-104.

36) Rachid, A.D., Abdellah, A., Belaid, B., Rachid, L.

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(2018) *International Journal of Electrical and Computer Engineering*, 8 (4), pp. 2367-2383.

37) Dabachine, Y., Bouikhalene, B., Balouki, A.

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(2018) *ACIT 2018 - 19th International Arab Conference on Information Technology*, art. no. 8672668, .

38) Ouatik, F., Raoufi, M., Bouikhalene, B., Skouri, M.

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39) Maarir, A., Bouikhalene, B., Chajri, Y.

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(2017) *Walailak Journal of Science and Technology*, 14 (6), pp. 517-525.

40) Chajri, Y., Bouikhalene, B., Maarir, A.

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(2017) *International Arab Journal of Information Technology*, 14 (4A Special Issue), pp. 608-613.

41) Agnaou, I., Bouikhalene, B.

New approach for 3D object forms detection using a new algorithm of SUSAN descriptor
(2017) *International Arab Journal of Information Technology*, 14 (4A Special Issue), pp. 614-623.

42) Ait Omar, D., Outanoute, M., Baslam, M., Fakir, M., Bouikhalne, B.

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(2017) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 10299 LNCS, pp. 457-471.

43) Hssina, B., Bouikhalene, B., Merbouha, A.

An ontology to assess the performances of learners in an e-learning platform based on semantic web technology: Moodle case study
(2017) *Advances in Intelligent Systems and Computing*, 520, pp. 103-112.

44) Belaid, B., Elhoucien, E.

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45) Gouskir, M., Aissaoui, H., Bouikhalene, B., Elhadadi, B.

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(2016) *Medical Imaging: Concepts, Methodologies, Tools, and Applications*, pp. 1469-1479.

46) Ait Daoud, R., Amine, A., Bouikhalene, B., Lbibb, R.

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47) Amine, A., Daoud, R.A., Bouikhalene, B.

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(2016) *Indonesian Journal of Electrical Engineering and Computer Science*, 3 (1), pp. 174-181.

48) Bouikhalene, B., Eloqrachi, E.

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(2016) *Georgian Mathematical Journal*, 23 (2), pp. 181-189.

49) Chajri, Y., Bouikhalene, B.

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50) Belaid, B., Elhoucien, E.
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51) Maarir, A., Bouikhalene, B.

Roads Detection from Satellite Images Based on Active Contour Model and Distance Transform
(2016) *Proceedings - Computer Graphics, Imaging and Visualization: New Techniques and Trends, CGiV 2016*, art. no. 7467689, pp. 94-98.

52) Hssina, B., Bouikhalene, B., Merbouha, A.
Evaluation of Semantic Similarity Using Vector Space Model Based on Textual Corpus
(2016) *Proceedings - Computer Graphics, Imaging and Visualization: New Techniques and Trends, CGiV 2016*, art. no. 7467726, pp. 295-300.

53) Naji, D., Fakir, M., Bouikhalene, B., Elayachi, R.

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(2016) *Proceedings - Computer Graphics, Imaging and Visualization: New Techniques and Trends, CGiV 2016*, art. no. 7467701, pp. 161-166.

54) Chajri, Y., Maarir, A., Bouikhalene, B.

A Comparative Study of Handwritten Mathematical Symbols Recognition
(2016) *Proceedings - Computer Graphics, Imaging and Visualization: New Techniques and Trends, CGiV 2016*, art. no. 7467754, pp. 448-451.

55) Amine, A., Daoud, R.A., Bouikhalene, B.

Development of a decision-making system for Sultan Moulay Slimane University in Beni Mellal, Morocco
(2016) *Indonesian Journal of Electrical Engineering and Computer Science*, 2 (2), pp. 469-477.

56) Belaid, B., Elhoucien, E.

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57) Ghoulam, K., Bouikhalene, B., Harmouch, Z., Mouncif, H.

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(2016) *International Journal on Smart Sensing and Intelligent Systems*, 9 (4), pp. 2051-2068.

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59) Outanoute, M., Baslam, M., Bouikhalene, B.

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(2015) *Journal of Electronic Commerce in Organizations*, 13 (3), pp. 1-14.

60) Gouskir, M., Bouikhalene, B., Aissaoui, H., Elhadadi, B.

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(2015) *Journal of Electronic Commerce in Organizations*, 13 (2), pp. 30-40.

61) Boutalline, M., Bouikhalene, B., Safi, S.

Channel identification and equalization based on kernel methods for downlink multicarrier-CDMA systems
(2015) *Journal of Electronic Commerce in Organizations*, 13 (2), pp. 14-29.

62) Chahbi, A., Charifi, A., Bouikhalene, B., Kabbaj, S.

Non-archimedean stability of a Pexider K-quadratic functional equation
(2015) *Arab Journal of Mathematical Sciences*, 21 (1), pp. 67-83.

63) El Kessab, B., Daoui, C., Bouikhalene, B.

Moroccan-style plates recognition based on support vectors machines
(2015) *International Journal of Software Engineering and its Applications*, 9 (12), pp. 143-154.

64) Ouelli, A., Elhadadi, B., Bouikhalene, B.

Multivariate autoregressive modeling for cardiac arrhythmia classification using multilayer perceptron neural networks
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65) Gouskir, M., Aissaoui, H., Elhadadi, B., Boutalline, M., Bouikhalene, B.

Automatic brain tumor detection and segmentation for MRI using covariance and geodesic distance
(2014) *International Conference on Multimedia Computing and Systems -Proceedings*, art. no. 6911342, pp. 490-494.

66) Badi, I., Boutalline, M., Safi, S., Bouikhalene, B.

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67) Dami, A., Fakir, M., Bouikhalene, B.

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