



Asst. Prof. Dr. Bassam Basim Jamil ALKINDY

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H-index (google scholar)=6, h-index (scopus)=3, h-index (clarivate)=1

PERSONAL SUMMARY:

Bassam ALKINDY is an Assistant Professor at Mustansiriyah University, with expertise in Artificial Intelligence, Bioinformatics, Robotics, and Machine Learning. He was born in January 1978 in Baghdad, Iraq and earned his Bachelor's degree in Computer Science from Al-Rafidain University College in 1999. In 2005, he completed his Master's thesis on Artificial Intelligence at Yarmouk University's Faculty of Information Technology and Computer Science in Jordan. Since December 2005, he has been an Assistant Lecturer at the University of Mustansiriyah's Department of Computer Science. In December 2015, he successfully defended his Ph.D. thesis on Bioinformatics and Artificial Intelligence at the University of Franche-Comté's Lab Femto-ST (DISC Department of Computer Science) in France. He joined the University of Mustansiriyah as a full-time lecturer in March 2016. Since 2023, he promoted to an assistant professor in Computer Science – Artificial Intelligence.

EDUCATION:

- **Ph.D. (2012-2015):**

Doctorate of Philosophy (Ph.D.) in Computer Science, specialty in Artificial Intelligence - Bioinformatics | University of Franche-Comté, France) | Mention: Très Honorable.
Thesis title: "*Combining Approaches for Predicting Genomic Evolution*".

- **M.Sc. (2002-2005):**

Master of Science (M.Sc.) in Computer Science | Yarmouk University, Jordan
Grade: Very Good | Major: Computer Science | Minor: Artificial Intelligence | GPA: 81.8%
Thesis title: "*Building a Robot Arm System using Computer*"

- **B.Sc. (1995 – 1999):**

Bachelor of Science (B.Sc.) in Computer Science | Al-Rafidain University College, Iraq
Grade: Good | Order: 2/50 students | Major: Computer Science | GPA: 77.802%
Project title: "*Design and Implement an Interfacing Card for Temperature Measurement*"

ACADEMIC /TEACHING EXPERIENCE:

- 2005 - present: A faculty member in the Department of Computer Science, Faculty of Science, Mustansiriyah University.
- 2016 - present: Member of the editorial board of the journal of Science, Faculty of Science, Mustansiriyah University.

- 2011 - Present: Authorized Teacher by Microsoft Corp. for teaching materials to obtain the International Computer Driving License Certification (IC3) for students and employees.
- 2013 – Present: A member of the technical committee of scientific research of the international Conference of Bioinformatics and Biomedical Science (ICBBS).

COURSES TAUGHT:

Undergraduate	
1.	Artificial Intelligent / Practical / 3 rd class, 2006-2007.
2.	Object Oriented Programming in Java / Practical / 2 nd class, 2008-2009.
3.	IC3 / Theoretical and Practical / 1 st class / college of Medicine, 2010-2011.
4.	2016-2019: Object Oriented Programming in C# / Theoretical / 2 nd class.
5.	2016: Computer skills 2/ Theoretical / 1 st class.
6.	2017: Open systems, logic design / Theoretical/ 3 rd and 1 st classes.
7.	2018-2022: Artificial Intelligence / Theoretical/ 3 rd class.
8.	2019-2022: Intelligent systems / Theoretical / 3 rd class
9.	2018-present: Computer algorithms: Design and Analysis / Theoretical / 2 nd class
10.	2018-present: Computer logic design / Theoretical / 1 st class
11.	2019-present: Evolutionary Computing / Theoretical / 4 th class
12.	2019-2020: Soft computing / Theoretical / 4 th class

PROFESSIONAL AFFILIATIONS:

- Member of exam committees for the years 2008, 2009, 2018.
- Member of the graduation projects exam committees for undergraduate students in the Department of Computer Science, University of Mustansiriyah, 2016-present.
- Member of scientific plagiarism committees to evaluate some scientific researches and master dissertations in the Department of Computer Science.
- Member of the Commission to address the problem of poor Internet service in Mustansiriyah University faculties.
- Member of the committee supervising the IC3 exams, college of Medicine, Mustansiriyah University.
- Editorial Board Member in Al-Mustansiriyah Journal of Science, 2017-present.
- Member in Scientific Committee in Computer Science Department, 2017-present.
- Head of the online electronic committee for 2018 The first International Conference on Safety and Security of the Scientific Applications (ICSSSA 2018).
- Member in the committee of quality journals approvals.
- Member in the committee of post-graduate thesis plagiarism check, 2016-present.
- High committee member in Mustansiriyah University for monitoring the quality of University journals and researchers' scientific publishing, 2018.
- Member in Master's jury committee, 2018.
- Scientific Reviewer in journals and conferences for more than 100 researches world wide (ICBBS 2015 and 2016, IEEE 2017 and 2018, BMC Bioinformatics 2018, IEEE, etc.)
- Editorial manager of Al-Mustansiriyah Journal of Science, 2019-present.

Under-Graduate Supervision Projects

- Zeena Ali Al-Hashimi, , 2016, Very good.
- Asma Jasim, Teba Aday, “Construct a non-Rooted Phylogenetical Tree for *Taenia* Genus”, Very good, 2017.

PUBLICATIONS:

- International Journals and Conferences:

- 1 Bassam AlKindy, Jean-François Couchot, Christophe Guyeux, Arnaud Mouly, Michel Salomon, and Jacques M. Bahi. “***Finding the Core-Genes of Chloroplasts.***” International Journal of Bioscience, Biochemistry and Bioinformatics 4, no. 5 (2014): 361-368. [[Google Scholar](#), [PDF](#)]
- 2 Bassam AlKindy, Christophe Guyeux, Jean-François Couchot, Michel Salomon, and Jacques M. Bahi. “***Gene similarity-based approaches for determining core-genes of chloroplasts***” In Bioinformatics and Biomedicine (BIBM), 2014 IEEE International Conference on, pp. 71-74. [[Google Scholar](#), [PDF](#)]
- 3 Bassam AlKindy, Huda Al-Nayyef, Christophe Guyeux, Jean-François Couchot, Michel Salomon, and Jacques M. Bahi. “***Improved Core Genes Prediction for Constructing well-supported Phylogenetic Trees in large sets of Plant Species.***” In Bioinformatics and Biomedical Engineering, pp. 379-390. Springer International Publishing, 2015. [[Google Scholar](#), [PDF](#)]
- 4 Bassam AlKindy, Christophe Guyeux, Jean-François Couchot, Michel Salomon, Christian Parisod, and Jacques M. Bahi. “***Hybrid genetic algorithm and lasso test approach for inferring well supported phylogenetic trees based on subsets of chloroplastic core genes.***” In Algorithms for Computational Biology, pp. 83-96. Springer International Publishing, 2015. [[Google Scholar](#), [PDF](#)]
- 5 Reem Alsrraj, Bassam AlKindy, Christophe Guyeux, Laurent Philippe, and Jean-François Couchot. “***Well-supported phylogenies using largest subsets of core-genes by discrete particle swarm optimization.***” Proceedings of CIBB 2 (2015): 1. [[Google Scholar](#), [PDF](#)]
- 6 Bassam AlKindy, Bashar Al-Nuaimi, Christophe Guyeux, Jean-François Couchot, Michel Salomon, Reem Alsrraj, and Laurent Philippe. “***Binary Particle Swarm Optimization Versus Hybrid Genetic Algorithm for Inferring Well Supported Phylogenetic Trees.***” 12th International Meeting on Computational Intelligence Methods for Bioinformatics and Biostatistics. Springer International Publishing, 2016. Volume LNBI 9874, pp. 165–179. [[Google Scholar](#), [PDF](#)]
- 7 Bashar Al-Nuaimi, Christophe Guyeux, Bassam AlKindy, Jean-François Couchot, Michel Salomon, “***Relation between Gene Content and Taxonomy in Chloroplasts.***” International Conference on Biomedical Signal and Bioinformatics. AUT University, New Zealand. International Journal of Bioscience, Biochemistry and Bioinformatics (IJBBB), 2017 Vol.7(1): 41-50 ISSN: 2010-3638 doi: 10.17706/ijbbb.2017.7.1.41-50. [[bibtex](#), [PDF](#)]
- 8 Guyeux C, Al-Nuaimi B, AlKindy B, Couchot JF, Salomon M. “***On the ability to reconstruct ancestral genomes from Mycobacterium genus.***” In International Conference on Bioinformatics and Biomedical Engineering 2017 Apr 26 (pp. 642-658). Springer, Cham. [[Google Scholar](#), [PDF](#)]
- 9 Garnier R, Guyeux C, Couchot JF, Salomon M, Al-Nuaimi B, AlKindy B. “***Comparison of metaheuristics to measure gene effects on phylogenetic supports and topologies.***” BMC bioinformatics. Impact factor=2.23, 2018 Jul;19(7):218. [[Google Scholar](#), [PDF](#)]
- 10 Guyeux, C., Salomon, M., Al-Nuaimi, B., AlKindy, B. & Couchot, J. (2019). “***Ancestral Reconstruction and Investigations of Genomic Recombination on some Pentapetalae Chloroplasts.***” Journal of Integrative Bioinformatics, 16(4), 20180057. <https://doi.org/10.1515/jib-2018-0057> [[Google Scholar](#), [PDF](#)]
- 11 Shamil, H., Al Kindy, B., & Abbas, A. H. (2020). “***Detection of Iris localization in facial images using haar cascade circular hough transform.***” Journal of Southwest Jiaotong University, 55(4).

[[Google Scholar](#), [PDF](#)]

- 12 Al-Obaidi, M. A. M., Ali, B. J., & Alkindy, B. (2020). “**A comparative Study of the Evolution Different Mobile Generations for Wireless Communication.**” *Journal of the college of basic education*, 26(109), 488-497. [[Google Scholar](#), [PDF](#)]
- 13 Abdulhameed, A., AlKindy, B., & Al-Mahdawi, B. (2022). “**Smart System Modeling and Simulation design of Hemodialysis Machine by SysML with SystemC-AMS.**” ResearchSquare, <https://doi.org/10.21203/rs.3.rs-1846916/v1> [[Google Scholar](#), [PDF](#)]
- 14 AlKindy, B., & Guyeux, C. (2022). “**Impact of Insertion Sequences and RNAs on Genomic Inversions in Pseudomonas aeruginosa.**” *Journal of King Saud University-Computer and Information Sciences*, 34(10), 9513-9522. [[Google Scholar](#), [PDF](#)]
- 15 Hamid, H. S., AlKindy, B., Abbas, A. H., & Al-Kendi, W. B. (2022). “**An intelligent strabismus detection method based on convolution neural network.**” *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 20(6), 1288-1296. [[Google Scholar](#), [PDF](#)]
- 16 Hussain, S. A. K., Al-Nayyef, H., AlKindy, B., & Qassir, S. A. (2023). “**Human Earprint Detection Based on Ant Colony Algorithm.**” *International Journal of Intelligent Systems and Applications in Engineering*, 11(2), 513-517. [[Google Scholar](#), [PDF](#)]
- 17 AlKendi, W.; Mahapatra, P.; Alkindy, B.; Guyeux, C. and Barthès, M. (2023). “**Application of Particle Detection Methods to Solve Particle Overlapping Problems.**” In Proceedings of the 3rd International Conference on Image Processing and Vision Engineering - IMPROVE; ISBN 978-989-758-642-2; ISSN 2795-4943, SciTePress, pages 84-91. DOI: 10.5220/0011852500003497 [[Google Scholar](#)]

PROFESSIONAL DEVELOPMENT

- **Certifications:**

- DELF A1 and DELF B1, French language exams certificates, 2011 and 2012 respectively.
- Certificate of Microsoft Internet and Computer Core Certificate (IC3) 2005.
- Certificate of Microsoft Internet and Computer Core Certificate (IC3) 2007.
- Certificate of methodologies of teaching, Mustansiriyah University, 2006.

- **National and International Workshops:**

- Bassam Alkindy, Jean-François Couchot, Christophe Guyeux, and Michel Salomon. ***Finding the core-genes of Chloroplast Species.*** Workshop of SeqBio 2013, Montpellier, November 2013.
- Bassam Alkindy, Huda Al’Nayyef, Jean-François Couchot, Christophe Guyeux, Michel Salomon, and Jacques Bahi. ***Algorithmics Genomic Evolution: Insertion Sequences and Core Genomes.*** Workshop of Femto-ST, June 2014, Besancon, France. Note: Poster.
- Bassam Alkindy, Huda Al’Nayyef, Panisa Treepong, Bashar Al-Nuaimi, Christophe Guyeux, Jean-François Couchot, Michel Salomon, and Jacques Bahi. ***Bioinformatics Approaches on Genomic Evolution in Femto-ST (Core Genome, Phylogenetic Analysis, Transposable Elements, and Ancestral Reconstruction).*** Workshop of Femto-ST, June 2015, Besancon, France. Note: Poster.

- Bassam Alkindy, Christophe Guyeux, Jean-François Couchot, Michel Salomon, and Jacques Bahi. ***Using Genetic Algorithm for Optimizing Phylogenetic Tree Inference in Plant Species***. In MCEB 2015, Conference of Mathematical and Computational Evolutionary Biology, Porquerolles Island, France, 21-24 Jun. 2015. Note: Poster.
- Bashar Al-Nuaimi, Roxane Mallouhi, Bassam AlKindy, Christophe Guyeux, Michel Salomon, and Jean-François Couchot. ***Ancestral reconstruction and investigations of genomic recombination on Campanulides chloroplasts***. Workshop of SeqBio 2015, Orsay, Nov. 2015.
- 2016-presents: more than 20 Workshops.
- **National and International Academic Courses**
 - “Ecole Analyse Multiresolution pour l'image”, EPIT 2014, 24 hours, 26-27 Nov. 2013, Le Creusot, France.
 - “Ecole de Printemps d'informatique Théorique”. University of Bourgogne, 32 hours, 11-16 May 2014, CAES du CNRS la Vieille Perrotine, Île d'Oléron, France.
 - “Gestion de projets collaboratifs”, University of Franche-Comté, 16 Jan. 2013, 6 hours, France.
 - “Strategy of Publications”, University of Franche-Comté; 10 hours, Mar. - Apr. 2013, France
 - Pierre-Yves BOURGEOIS, “Tool for writing publications: *LaTeX* (beginner, intermediate, and advance)”, University of Franche-Comté , 9 hours, (18/4, 6/6, and 13/6) 2013, France.
 - Pauline FOURNIER, “Leadership et encadrement d'équipe”, University of Franche-Comté, 6 hours, 12 Dec. 2013, France
 - Fabrice LAURI, “Machine Learning – Theory and Algorithms”, University of Franche-Comté, Belfort, 14 hours, 4-5 Feb. 2014, France
 - François VERNOTTE, “Exploitation statistics des mesures”, University of Franche-Comté, 9 hours, (3, 10, and 17) Apr. 2014, France.
- **Language Skills**
 - Arabic (mother tongue)
 - English (reading, writing)
 - French (reading, writing)

Indexing and Ranking

- Google Scholar: <https://scholar.google.com/citations?user=IreeBKMAAAAJ&hl=en> , h-index=6, i10-index(2018)=4
- ORCID ID: <https://orcid.org/0000-0002-0964-1184>
- Scopus Id: <https://www.scopus.com/authid/detail.uri?authorId=56516848900> , h-index=3
- Scopus author link: <https://www.scopus.com/authid/detail.uri?authorId=56516848900>
- Research ID: [N-8791-2017](https://orcid.org/0000-0002-0964-1184)
- Researchgate: https://www.researchgate.net/profile/Bassam_Alkindy , h-index= 6.32
- Publons: <https://publons.com/author/1605901/bassam-alkindy#profile>
- dblp link: <https://dblp.uni-trier.de/search?q=bassam%20alkindy>