



ASSOC. PROF. DR.

Hayder Naser Khraibet AL-Behadili

حيدر ناصر خريبط خلف البهادلي

Assistant to the University President for Scientific Affairs • Shatt Al-Arab University • Basrah, Iraq

Specialisation: Data Mining and Artificial Intelligence

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ACADEMIC PROFILE

Iraqi academic holding a Ph.D. in Information Technology from Universiti Utara Malaysia (UUM, 2020), with a precise specialisation in data mining and artificial intelligence. Currently serves as Assistant to the President of Shatt Al-Arab University for Scientific Affairs and as Editor-in-Chief of the Iraqi Journal for Intelligent Computing and Informatics. More than fifteen years of academic and administrative experience in university teaching, leadership of scientific committees, establishment of new academic departments and development of the institution's research infrastructure. Author of research published in international journals and conferences indexed in Scopus and IEEE, focusing on nature-inspired optimisation algorithms, rule-based classification and feature selection, with applications in medical diagnosis and information security.

PERSONAL INFORMATION

Full Name	Hayder Naser Khraibet Khalaf Al-Behadili
Nationality / Place of Birth	Iraqi — Basrah, Iraq
Date of Birth	1 January 1987
Academic Rank	Associate Professor
Degree	Ph.D. in Information Technology
General Specialisation	Information Technology
Precise Specialisation	Data Mining and Artificial Intelligence
Date of Appointment	9 November 2011
Affiliation	Shatt Al-Arab University — Basrah, Iraq
Languages	Arabic (native) — English (speaking, reading, writing)

ACADEMIC QUALIFICATIONS

Doctor of Philosophy in Information Technology — 2020

Universiti Utara Malaysia — Malaysia

Thesis: *An Adaptive Ant Colony Optimization Algorithm for Rule-Based Classification*

Master of Science in Information Technology — 2011

Universiti Utara Malaysia — Malaysia

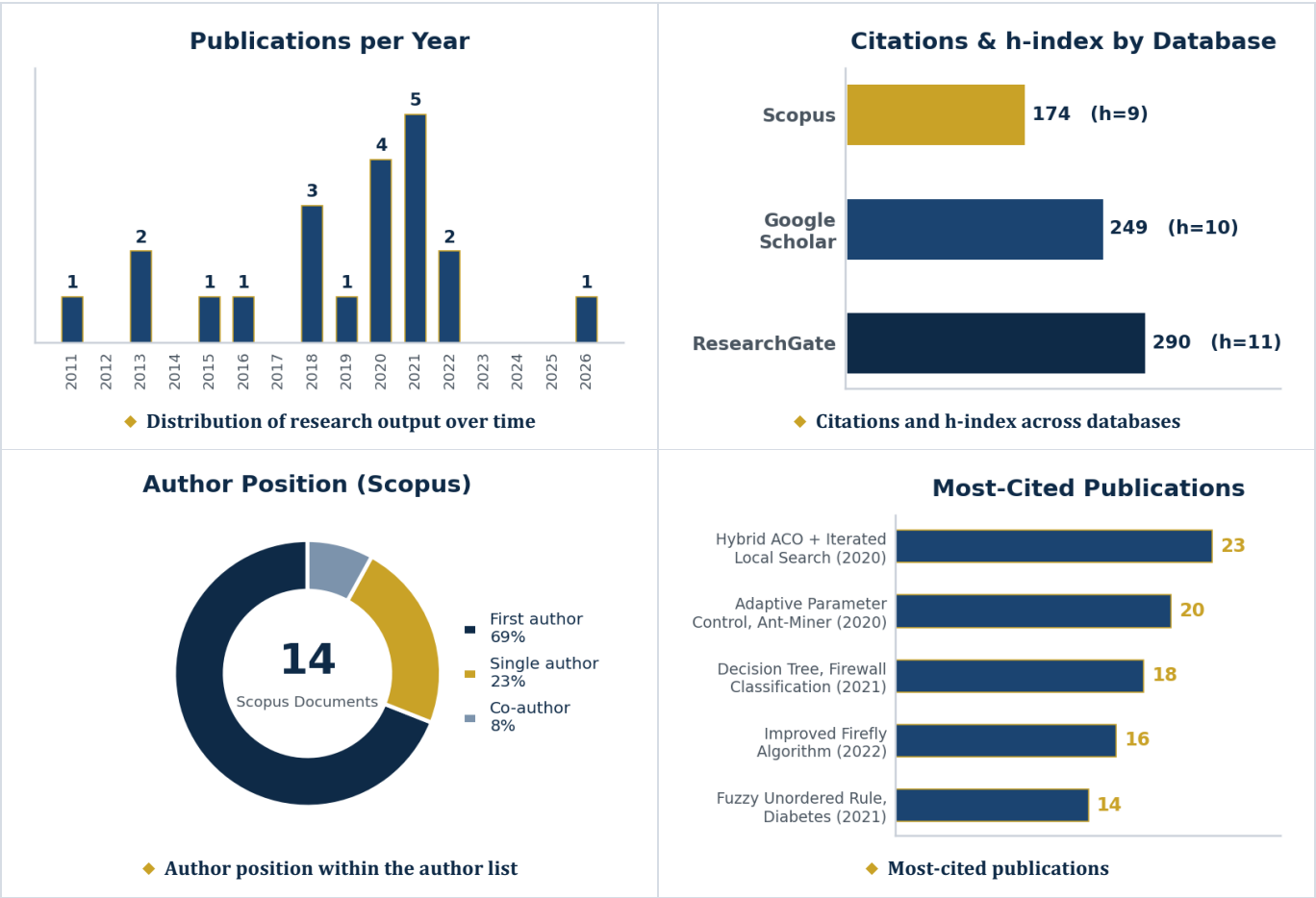
Dissertation: *Graduate Entrepreneur Analytical Reports (GEAR) Using Data Warehouse Model: A Case Study at CEDI*

ADMINISTRATIVE & ACADEMIC POSITIONS

POSITION	FROM	TO
Assistant to the University President for Scientific Affairs — Shatt Al-Arab University	2024-09-16	Present
Editor-in-Chief, Iraqi Journal for Intelligent Computing and Informatics	2022-06-22	Present
Assistant Dean for Scientific Affairs — Shatt Al-Arab University College	2021-11-01	2024-09-16
Rapporteur, Department of Computer Science — Shatt Al-Arab University College	2020-02-01	2021-11-01

RESEARCH METRICS & BIBLIOMETRICS

14 Documents <i>Scopus</i>	174 Citations <i>Scopus</i>	9 h-index <i>Scopus</i>	1.579 FWCI <i>Field-Weighted Impact</i>
249 Citations <i>Google Scholar</i>	10 h-index <i>Google Scholar</i>	11 i10-index <i>Google Scholar</i>	69% First Author <i>Scopus 2016–2025</i>



RESEARCH INTERESTS

◆ Data Mining & Knowledge Discovery <i>Pattern extraction, classification and clustering</i>	◆ Artificial Intelligence & Machine Learning <i>Supervised and unsupervised learning models</i>
◆ Swarm Intelligence & Metaheuristics <i>Ant colony, particle swarm and firefly algorithms</i>	◆ Rule-Based Classification <i>Ant-Miner variants, rule pruning and induction</i>
◆ Feature Selection & Stochastic Local Search <i>Hill climbing, annealing and hybrid strategies</i>	◆ Data Warehousing & OLAP <i>Analytical reporting and decision support models</i>

SELECTED PUBLICATIONS

Listed from the most recent to the earliest; [Scopus] / [IEEE] marks papers indexed in those databases.

- Al-Behadili, H. N. K., & Jabbar, A. M. (2026). Genetic instance-based learner algorithm for lymphography cancer diagnosis. *International Journal of Systematic Innovation*, 10(4), 026080014. [Scopus]
- Almazini, H. F., Mortada, S., Almazini, H., Al-Behadili, H. N. K., & Alkenani, J. (2022). Improved discrete plant propagation algorithm for solving the traveling salesman problem. *IAES International Journal of Artificial Intelligence*, 11(1), 13–22. [Scopus]
- Al-Behadili, H. N. K. (2022). Improved firefly algorithm with variable neighborhood search for data clustering. *Baghdad Science Journal*, 19(2), 409–421. [Scopus]
- Al-Behadili, H. N. K., & Ku-Mahamud, K. R. (2021). Fuzzy unordered rule using greedy hill climbing feature selection method: An application to diabetes classification. *Journal of Information and Communication Technology*, 20(3), 391–422. [Scopus]
- Al-Behadili, H. N. K. (2021). Decision tree for multiclass classification of firewall access. *International Journal of Intelligent Engineering and Systems*, 14(3), 294–302. [Scopus]
- Al-Behadili, H. N. K., & Ku-Mahamud, K. R. (2021). Hybrid K-nearest neighbour and particle swarm optimization technique for divorce classification. *International Journal on Advanced Science, Engineering and Information Technology*, 11(4), 1447–1454. [Scopus]
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2021). Genetic-based pruning technique for ant-miner classification algorithm. *International Journal on Advanced Science, Engineering and Information Technology*, 11(1), 304–311. [Scopus]
- Al-Behadili, H. N. K. (2021). Stochastic local search algorithms for feature selection: A review. *Iraqi Journal for Electrical and Electronic Engineering*, 17(1), 1–10. [Scopus]
- Al-Behadili, H. N. K., Sagban, R., & Ku-Mahamud, K. R. (2020). Adaptive parameter control strategy for ant-miner classification algorithm. *Indonesian Journal of Electrical Engineering and Informatics*, 8(1), 149–162. [Scopus]
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2020). Hybrid ant colony optimization and iterated local search for rules-based classification. *Journal of Theoretical and Applied Information Technology*, 98(4), 657–671. [Scopus]
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2020). Hybrid ant colony optimization and genetic algorithm for rule induction. *Journal of Computer Science*, 16(7), 1019–1028.
- Al-Behadili, H. N. K., & Ku-Mahamud, K. R. (2020). User perception usability of the Malaysian mobile trip planner platform: A review study. *Universiti Utara Malaysia*.
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2019). Annealing strategy for an enhanced rule pruning technique in ACO-based rule classification. *Indonesian Journal of Electrical Engineering and Computer Science*, 16(3), 1499–1507. [Scopus]
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2018). Ant colony optimization algorithm for rule-based classification: Issues and potential solutions. *Journal of Theoretical and Applied Information Technology*, 96(21), 7139–7150. [Scopus]
- Al-Behadili, H. N. K., Ku-Mahamud, K. R., & Sagban, R. (2018). Rule pruning techniques in the ant-miner classification algorithm and its variants: A review. *IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE), Penang, Malaysia*, pp. 78–84. [IEEE]
- Al-Behadili, H. N. K. (2018). Intelligent hypothermia care system using ant colony optimization for rules prediction. *Journal of University of Babylon for Pure and Applied Sciences*, 26(2), 47–56.
- Al-Behadili, H. N. K. (2016). Classification algorithms for determining handwritten digit. *Iraqi Journal for Electrical and Electronic Engineering*, 12(1), 96–102.
- Al-Behadili, H. N. K. (2015). NTT: Network topology tool for enhancing NS-2. *Iraqi Journal for Electrical and Electronic Engineering*, 11(1).
- Khraibet, H. N., Mousa, A. H., & Abu Bakar, M. S. (2013). Intelligent Iraqi Health System (IIHS) using Online Analytical Process (OLAP) model. *4th International Conference on Computing and Informatics (ICOCI), Sarawak, Malaysia*, pp. 201–207.
- Al-Hijaj, A. A. K., Jabbar, A. M., & Khraibet, H. N. (2013). Design and developing online Iraqi bus reservation system by using unified modeling. *International Journal of Engineering and Advanced Technology*, 3(1).
- Abu Bakar, M. S., & Khraibet, H. N. (2011). Graduate entrepreneur analytical reports (GEAR) using data warehouse model: A case study at CEDI. *Universiti Utara Malaysia*, Master's Thesis.

CONFERENCES & SCIENTIFIC EVENTS

SCIENTIFIC EVENT	VENUE & DATE
8th International Conference on Computing & Informatics (ICOCI 2021)	Kedah, Malaysia — March 2021
IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE 2018)	Penang, Malaysia — April 2018
Fulbright Scholarship Program	Oklahoma, USA — 2014
4th International Conference on Computing and Informatics (ICOCI 2013)	Sarawak, Malaysia — August 2013
3rd International Conference on Computing and Informatics (ICOCI 2011)	Bandung, Indonesia — June 2011

PROFESSIONAL TRAINING

COURSE	VENUE	DURATION	DATE
English IELTS Course	Penang, Malaysia	14 days	2011-02-26
E-government and Usage of the Information Technology in Higher Education	Istanbul, Turkey	7 days	2013-08-21
Post-Transformative Learning	Oklahoma, USA	4 days	2014-08-26

TEACHING EXPERIENCE

ACADEMIC YEAR	COURSES TAUGHT
Fourth Year	Artificial Intelligence Applications
Second Year	Object-Oriented Programming (OOP) — Theory of Computation — System Analysis and Design
First Year	Basic Programming (C++) — Discrete Mathematics

COMMITTEES & INSTITUTIONAL SERVICE

COMMITTEE / ASSIGNMENT	ROLE	YEAR
Committees for establishing new academic departments (Electrical Techniques Engineering; Chemistry Sciences) — morning study, Shatt Al-Arab University	Chair	2026
Committees for establishing new academic departments (Oil & Gas Engineering; Translation; Radiology Techniques; Financial & Banking Sciences) — evening study, Shatt Al-Arab University	Chair	2026
Committees for establishing new academic departments (Oil & Gas Engineering; Translation; Radiology Techniques; Financial & Banking Sciences) — morning study, Shatt Al-Arab University	Chair	2025
Committees for establishing new academic departments (Laser & Optoelectronics Techniques Engineering; Pathological Analysis Sciences; Oil & Gas Marketing Management) — morning study	Chair	2024–2025
Committees for establishing new academic departments (Medical Instrumentation Techniques Engineering; Power Mechanics Techniques Engineering; Fuel & Energy Techniques Engineering) — morning and evening study	Chair	2023–2024
Committees for establishing new academic departments (Computer Techniques Engineering; Civil Engineering) — morning and evening study	Chair	2021–2022
Supervision of scientific and cultural seminars and student festivals — Shatt Al-Arab University College	Supervisor	2011–2021

COMMITTEE / ASSIGNMENT	ROLE	YEAR
Session chair, 3rd International Conference — Al Ain University	Session Chair	2021
Central Examination Committee — Shatt Al-Arab University College	Member	2021
Scientific Committee, Department of Computer Science	Member	2011–2021
Examination Committee, Department of Computer Science	Member	2012–2017 / 2019–2021
Educational supervision of Computer Science academic stages	Supervisor	2019–2022
Organising committees of the joint scientific conference with the University of Basrah	Member	2016
Organising committees of scientific festivals for Computer Science students	Member	2013 / 2016

AWARDS, HONOURS & CERTIFICATES

TYPE	AWARDING BODY	REASON	DATE
Letter of Appreciation	Shatt Al-Arab University College	Efforts within the examination committees	2022-01-24
Letter of Appreciation	University of Babylon	Participation in an M.Sc. thesis examining committee	2021-11-30
Letter of Appreciation	Shatt Al-Arab University College	Publication of two papers indexed in Scopus	2021-08-18
Letter of Appreciation	Shatt Al-Arab University College	Best Paper Award, 8th International Conference on Computing and Informatics	2021-03-25
Certificate of Participation	Universiti Utara Malaysia	Workshop on writing a Ph.D. thesis proposal	2019-08-21
Letter of Thanks	Ministry of Higher Education and Scientific Research — Directorate of Private University Education	On promotion to the rank of Lecturer	2019-01-16
Certificate of Participation	IEEE ISCAIE 2018	Participation and paper publication in the international conference	2018-04-29
Letter of Appreciation	Shatt Al-Arab University College	Efforts within the committees of the joint scientific conference with the University of Basrah	2016-04-16
Letter of Appreciation	Shatt Al-Arab University College	Efforts within the examination committees	2016-01-14
Letter of Appreciation	Ministry of Youth and Sports — Basrah Directorate	Participation in the Scientific Sponsorship Forum, first and third places	2015-04-22
Certificate of Participation	University of Central Oklahoma	Participation in academic activities in the United States	2014-09-02
Certificate of Participation	National Centre for Human Development and Training	Completion of the training programme on e-governance and use of technology in education	2013-08-28
Certificate of Appreciation	Shatt Al-Arab University College	Efforts in serving the scientific progress of the college	2013-04-29
Letter of Appreciation	Shatt Al-Arab University College	Efforts within the examination committees	2012-11-12
Certificate of Appreciation	Centre for Teaching Methods Development — University of Basrah	Participation in the 97th development course	2011-10-13
Certificate of Participation	Universiti Utara Malaysia	2nd International Conference on Network Applications and Services	2010-09-23

TYPE	AWARDING BODY	REASON	DATE
Certificate of Participation	Universiti Utara Malaysia	Seminar on computer networks	2010-07-24
Certificate of Participation	Universiti Utara Malaysia	Workshop on wireless communication systems	2009-08-10

EDITORIAL ACTIVITY

- ◆ **Editor-in-Chief, *Iraqi Journal for Intelligent Computing and Informatics (IJCI)* — since 22 June 2022**
Iraq
- ◆ **Editorial Board Member, *Journal of Information and Communication Technology (JICT)* — since 15 February 2020**
Universiti Utara Malaysia, Malaysia — Scopus-indexed
- ◆ **Editorial Board Member, *International Journal of Innovation in Enterprise System (IJIES)* — since 2 March 2020**
Indonesia