

## CURRICULUM VITAE



**Name** Waleed Makram Mohamed Zaki  
**Date of Birth** 6/10/1978  
**Place of Birth** Minia  
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### Education

1. **Highest University Degree:** PhD in Computer Science (Data Warehouses).

### Work Experience

- **Current Job:**  
Associate Professor, Head of Information System Department, Faculty of Computers and Information.  
Minia University CIO.  
**University:** Minia  
**Country:** Egypt

### Positions:

<b>2000:2002</b>	The Air Defense Forces, Computer system Operator, the link between the Air Force
<b>2002: 2014</b>	Database Administrator at Minia University
<b>2014: 2018</b>	Technical Office for the Minia University President to support decision-making
<b>2016:2018</b>	Deputy Director of the Center for Management Information Systems at Minia University

<b>2018: now</b>	Director of the Center for Management Information Systems at Minia University
<b>2020: now</b>	Member of the Board of the Crisis and Disaster Management Center - Minia University
<b>2020: now</b>	Member of the Board of the University Performance Development Projects Management Unit - Minia University
<b>2020: now</b>	Member of the Supreme Council for Training - Minia University
<b>2020: now</b>	Member of the Board of the National Center for Innovation and Entrepreneurship - Minia University
<b>2020: now</b>	Member of the Board of the University Center for Career Development - Minia University
<b>2020: now</b>	Member of the Board of the Quality Assurance and Accreditation Center - Minia University
<b>2020: now</b>	Member of the Board of the Strategic Planning Center - Minia University
<b>2020: now</b>	Member of the Technical Support Committee for the International Scientific Publishing Award – Minia University
<b>2022: now</b>	Member of the Supreme Committee for Supervision of Electronic Examinations for Health Sector Colleges
<b>2023: now</b>	Head of Information Systems Department, Faculty of Computers and Information
<b>2020: now</b>	Director of the Information Technology Center Minia University
<b>2020: now</b>	CIO of Minia University

**Courses:**

- Programming with C#
- Programming with ADO.Net.
- Red Hat Linux Networking and Security Administration.
- Querying & Programming a Microsoft SQL server 2018 Database.
- Administering a Microsoft SQL Server 2018 Database.
- Microsoft SQL Server 2018– Implementation and Maintenance.
- Developing Microsoft. NET Application for Windows (Visual C#.NET).
- Developing Microsoft. NET Application for Web (Visual C#.NET).

- Developing XML Web Services and Server Components with Microsoft Visual C# .NET and the Microsoft .NET Framework.
- Oracle Database 10g SQL, PL/SQL, Administration Workshop I and Administration Workshop II.
- User Adoption Services (Eagle Program) Soft skills
- Information retrieval
- Data warehouses
- Data Mining
- Artificial Immune System
- Computer Architecture and Organization
- Design and Analysis of Algorithms
- Decision Support System
- (TOGAF) The Open Group Architecture Framework.
- (COBIT) Control Objectives for Information and Related Technology - The framework for the governance of enterprise IT.

### **Certificate**

- **The Open Group Architecture Framework (TOGAF® 9 Foundation) certified.**
- **COBIT Foundation Certification.**
- **Microsoft Certified Professional (MCP) Designing and Implementing Databases with Microsoft SQL Server.**
- **Microsoft Certified Technology Specialist (MCTS) SQL Server 2008, Implementation and Maintenance.**
- **Microsoft Certified IT Professional (MCITP) Database Administrator 2008**
- **Oracle Database 10g DBA (OCA).**
- **Oracle Database 10g DBA Oracle Certified Professional (OCP).**
- **Effective Academic Writing (Nature Research Academies)**

### **Spoken Languages**

- Arabic-Degree: Native language
- English-Degree: Very Good

### **References**

[https://mc.minia.edu.eg//minialeaders/Leader\\_Info.aspx?charID=2177&typeID=11](https://mc.minia.edu.eg//minialeaders/Leader_Info.aspx?charID=2177&typeID=11)

<https://www.webofscience.com/wos/author/record/ACS-6284-2022>

<https://www.scopus.com/authid/detail.uri?authorId=57211990107>

<https://www.researchgate.net/profile/Waleed-Makram-Mohamed>

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

## Published Research

- **A hybrid Harris Hawks Optimization with Support Vector Regression for air quality forecasting**, / auth Houssein, E.H., Mohamed, M., Younis, E.M.G, and W. M. Mohamed, // Scientific Reports. - 15, 2275 (2025),
- **Internet of Things in Smart Cities: Comprehensive Review, Open Issues and Challenge**, / auth E. H. Houssein, M. A. Othman, W. M. Mohamed and M. Younan, // IEEE Internet of Things Journal, 2024
- **Optimizing feedforward neural networks using a modified weighted mean of vectors: Case study chemical datasets**, / auth Essam H. Houssein, Mosa E. Hosney, Marwa M. Emam, Diego Oliva, Eman M.G. Younis, Abdelmgeid A. Ali, Waleed M. Mohamed, // Swarm and Evolutionary Computation, Volume 89, 2024, 101656
- **Soft computing techniques for biomedical data analysis: open issues and challenges**, / auth Houssein, E.H., Hosney, M.E., Emam, M.M. et al.. Artif Intell Rev 56 (Suppl 2), 2599–2649 (2023).
- **An efficient discrete rat swarm optimizer for global optimization and feature selection in chemoinformatics**. / auth Essam H. Houssein, Mosa E. Hosney, Diego Oliva, Eman M.G. Younis, Abdelmgeid A. Ali, Waleed M. Mohamed, //Knowledge-Based Systems, Volume 275, 2023, 11069
- **Fuzzy-based hunger games search algorithm for global optimization and feature selection using medical data**. / auth Houssein, E.H., Hosney, M.E., Mohamed, W.M. et al.. //Neural Comput & Applic 35, 5251–5275 (2023).
- **Hybrid quantum-classical convolutional neural network model for COVID-19 prediction using chest X-ray images** / auth. Essam H. Houssein, Zainab Abohashima, Mohamed Elhoseny and Waleed M. Mohamed // Journal of Computational Design and Engineering. – 2022, Vol 9(2)
- **Machine Learning in The Quantum Realm: The State-of-the-art, Challenges, and Future Vision** / auth. Essam H. Houssein, Zainab Abohashima, Mohamed Elhoseny and Waleed M. Mohamed // Expert Systems with Applications. – 2022, Vol 194.
- **An Efficient Equilibrium Optimizer with Support Vector Regression for Stock Market Prediction** / auth. Essam H. Houssein, Mahmoud Dirar, Laith Abualigah and Waleed M. Mohamed // Neural Computing and Applications. – 2022, Vol 34.
- **An Efficient Slime Mould Algorithm for Solving Multi-Objective Optimization Problems** / auth. Essam H.Housseina, Mohamed A.Mahdyb, DoaaSheblb, Awaiz Manzoor, Ram Sarkar and Waleed M.Mohamed // Expert Systems with Applications. - 2022. , Vol. 187.
- **Enhanced Harris hawks optimization with genetic operators for selection chemical descriptors and compounds activities** / auth. Essam H. Houssein, Nabil Neggaz, Mosa E. Hosney, Waleed M. Mohamed & M. Hassaballah // Neural Computing and Applications. - 2021.
- **Hybrid Slime Mould Algorithm with Adaptive Guided Differential Evolution Algorithm for Combinatorial and Global Optimization Problems** / auth. Essam H.Housseina, Mohamed A.Mahdyb, Maude J.Blondinc, DoaaSheblb and Waleed M.Mohamed // Expert Systems with Applications. - 2021., Vol 174.
- **Optimizing quantum cloning circuit parameters based on adaptive guided differential evolution algorithm** / auth. Essam H. Houssein, Mohamed A. Mahdy,

Manal. G. Eldin, Doaa Shebl, Waleed M. Mohamed, Mahmoud Abdel-Aty // Journal of Advanced Research. - 2021., Vol 29.

- **Assess deep learning models for Egyptian exchange prediction using nonlinear artificial neural networks** / auth. Essam H. Houssein, Mahmoud Dirar, Kashif Hussain and Waleed M. Mohamed // Neural Computing and Applications. – 2021.
- **Hybrid Harris hawks optimization with cuckoo search for drug design and discovery in chemoinformatics** / auth. Essam H. Houssein, Mosa E. Hosney, Mohamed Elhoseny, Diego O liva, Waleed M. Mohamed & M. Hassaballah // Scientific Reports. - 2020., Vol 10.
- **A novel hybrid Harris hawks optimization and support vector machines for drug design and discovery** / auth. Essam H. Houssein, Mosa E. Hosney, Mohamed Elhoseny, Diego O liva, Waleed M. Mohamed & M. Hassaballah // Computers & Chemical Engineering. - 2020., Vol 133.
- **Using a Business Activity Monitoring and SOA for a Real-Time ETL** / auth. Ali Abdelmgeid A. and Waleed M. Mohamed // International Journal of Computer Applications. - 2018. - 10 : Vol. 180.
- **Monitoring Business Transactions for a Real-time Data Warehouses** / auth. Ali Abdelmgeid A. and Waleed M. Mohamed // International Journal of Computer Applications. - 2016. - 8 : Vol. 146.
- **Using Schema Matching in Data Transformation For Warehousing Web Data** / auth. Abdelmgeid A. Ali Tarek A. Abdelrahman, Waleed M. Mohamed // International Journal of Information Technologies and Knowledge. - 2013. - 3 : Vol. 7. - pp. 230-240.