



DR. HAMADA IBRAHIM ABDULWAKEL

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🏷️ GRD-4162-2022



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🔗 https://scholar.google.com/eg/citations?user=62_Jl8cAAAAJ&hl=en

🔗 <https://www.researchgate.net/profile/Hamada-Abdulwakel>

GENERAL SPECIALTY

Computer Science

ACCURATE SPECIALTY

Internet of Things (IoT)

Embedded Systems

RESEARCHER SCORES

of citations: 56

h-index: 3

i10-index: 3

COURSES TAUGHT

Object-Oriented Programming

Data Structures & Algorithms

Systems Analysis and Design

Social Information System

Programming Languages

Software Development

Genome Data Analysis

Software Engineering

Artificial Intelligence

Genetic Algorithms

EDUCATION

BSc. in Computer Science Faculty of Computers and Information | Minia University

📅 2003 - 2007

📍 Minia, Egypt

MSc. in Computer Science Faculty of Computers and Artificial Intelligence | Cairo University

📅 2010 - 2013

📍 Cairo, Egypt

PhD. in Computer Science Faculty of Computers and Artificial Intelligence | Cairo University

📅 2016 - 2021

📍 Cairo, Egypt

PROFESSIONAL EXPERIENCE

Lecturer Sadat Academy for Management Science | Minia Branch

📅 2022 - Present

Lecturer in Computer Science Dept. Faculty of Computers and Information | Minia University

📅 2021 - Present

Member of the Campus as Mashup Platform for IoT Experimentation research group | Cairo University

📅 2016 - 2019

Former Assistant Lecturer Faculty of Computers and Information | Minia University

📅 2011 - 2020

Member of the Information and Technology Center | Minia University

📅 2009 - 2011

Intelligent Systems

Internet of Things

File Organization

SKILLS

C++ C#

Java PHP

R Python

Arduino

MySQL Oracle

Windows Linux

LANGUAGES

Arabic: **Native**

English: **IELTS / 5.5**

MILITARY STATUS

Status: **Exempted**

Former Demonstrator [Faculty of Computers and Information | Minia University](#)

📅 2007 - 2011

RESEARCH INTEREST & NEW TRENDS

- Human-Computer Interaction.
- Internet of Nano-Things.
- Deep Learning Technologies.
- Bioinformatics.

PUBLICATIONS

An efficient deep learning model for reliable detection and classification of retinopathy of prematurity | [Discover Artificial Intelligence](#)

📅 2026

Deep spatiotemporal human activity recognition using an optimized 3D CNN model | [PeerJ Computer Science Journal](#)

📅 2026

Detecting Image Manipulation with ELA-CNN Integration: A Powerful Framework for Authenticity Verification | [PeerJ Computer Science Journal](#)

📅 2023

Conflict detection and resolution model for multi-users IoT automation systems | [International Journal of Intelligent Engineering and Systems](#)

📅 2022

A conflicts' classification for IoT-based services: a comparative survey | [PeerJ Computer Science Journal](#)

📅 2021

A formal methods-based Rule Verification Framework for end-user programming in campus Building Automation Systems | [Journal of Building and Environment](#)

📅 2020

Semantic Message Addressing based on Social Cloud Actor's Interests | [International Journal of Computer Science and Security \(IJCSS\)](#)

📅 2012

REVIEWING EXPERIENCE



IEEE Access

📅 4 Papers



Springer Journal of Supercomputing

📅 1 Paper



Alexandria Engineering Journal

📅 1 Paper

HONORS AND AWARDS

Training Certification of Digital Products: Blueprints to Launch Ministry of Communication and Information | Supporting e-Government and Innovation in the Public Administration (InnoPA) (GIZ)

📅 2024

Certification of completing .NET full stack track Information Technology Institute | Minia University

📅 2019

Certification of participation in Summer Training Program | Research and Development Int.

📅 2006

SUPERVISORY EXPERIENCE

Supervising MSc. degrees in: Faculty of Computers and Information | Minia University

📅 2022 – Present

Supervising graduation projects in: Faculty of Computers and Information | Minia University

📅 2007 – Present

COMMUNITY PARTICIPATION

The local exhibition for the Egyptian Science and Engineering Fair competition ISEF-2024 | Judger

📅 2024

📍 Minia, Egypt

The local exhibition for the Egyptian Science and Engineering Fair competition [ISEF-2022](#) | [Judger](#)

📅 2022

📍 Minia, Egypt

Providing a training course on Artificial Intelligence (AI) for students of Minia University. [Sport & Youth Ministry](#) | [Trainer](#)

📅 2022

📍 Minia, Egypt

Assisting justice in Forgery litigation [Faculty of Economics and Political Science](#) | [Judger](#)

📅 2022

📍 Beni Suef University, Egypt

ADMINISTRATIVE EXPERIENCE

Manager of Minia University Electronic Portal [Minia Portal](#) | [Minia University](#)

📅 2024 - Present

Director of Public Service Centre of Software and Information [Faculty of Computers and Information](#) | [Minia University](#)

📅 2023 - 2025

REFERENCES

Prof. Abdel Mgeid Amin Aly | 🌐

- Professor at Minia University, Faculty of Science Computer Science Department, (Faculty Dean).

Prof. Hesham Ahmed Hassan Hesham | 🌐

- Professor of Computer Science, Faculty of Computers and Artificial Intelligence, (Principal Advisor).

Prof. Sherif Khattab | 🌐

- Associate Professor of Computer Science, Faculty of Computers and Artificial Intelligence, (Previous Principal Advisor).

Prof. Essam Halim Houssein | 🌐

- Associate Professor of Computer Science Department, Faculty of Computers and Information.

Prof. Yaser Maher Wazery | 🌐

- Associate Professor of Information Technology Department, Faculty of Computers and Information.