

# CURRICULUM VITAE

## Assist. Prof. Dr. Sundos Abdul-ameer Hameed Alazawi

Department of Computer Science · College of Science · Mustansiriyah University, Baghdad, Iraq

Since 2005  
Faculty Member

33

Publications

2

Degrees (MSc+PhD)

3

Committees (Ministerial)

2

Admin Positions



## PROFILE

Dr. Sundos Abdul-ameer Hameed Alazawi is an **Assistant Professor** in the Department of Computer Science, College of Science, Mustansiriyah University, Baghdad, Iraq, where she has served as a faculty member since 2005. She holds a **PhD** in Operating Systems from the Informatics Institute for Postgraduate Studies (2021) and an **MSc** in Image Processing (2005) from the same institute. Her research encompasses operating systems, software engineering, image processing, data mining, cybersecurity, and IoT. She has published over 30 papers in international journals and conferences and is an active member of ministerial committees at the Ministry of Higher Education and Scientific Research, Iraq.



## RESEARCH INTERESTS

Operating Systems

Cybersecurity

Biometrics

Software Engineering

IoT

Network Security

Image Processing

Deep Learning

Data Mining

Fault Injection & Dependability



## EDUCATION

### 2021 | PhD in Computer Science

*Iraq Commission for Computers & Informatics / Informatics Institute for Postgraduate Studies*

Thesis: "Dependability Assessment of Network Operating System Based on Fault Injection" — Computer Science Dept.

### 2005 | MSc in Computer Science

*Iraq Commission for Computers & Informatics / Informatics Institute for Postgraduate Studies*

Thesis: "Image Segmentation Using HIS Color Space with Pixel Block Properties" — Computer Science Dept.

### 2002 | BSc in Software Engineering

*Al-Rafidain University College, Baghdad, Iraq*

Software Engineering Department

## SCIENTIFIC & ACADEMIC POSITIONS

- 2005–Present** | **Professor (Assistant), Department of Computer Science**  
*College of Science, Mustansiriyah University, Baghdad, Iraq*  
 Teaching: Digital Signal Processing, Operating Systems, Computer Architecture, Assembly Language, Multimedia Systems
- 2024** | **Member — Ministerial Committee for Establishing PhD Programme**  
*Al-Nahrain University, College of Science — Ministry of Higher Education and Scientific Research, Iraq*
- 2025–Present** | **Member — Ministerial Committee for Certificate Equivalence**  
*Dept. of Scholarships, Ministry of Higher Education and Scientific Research, Iraq*

## ADMINISTRATIVE POSITIONS


- 2021–2022** | **Department Coordinator for Graduate Studies**  
*Department of Computer Science, College of Science, Mustansiriyah University*
- 2024–Present** | **Director of the Continuing Education Division**  
*College of Science, Mustansiriyah University, Baghdad, Iraq*

## ONLINE PROFILES & IDENTIFIERS

<b>University Profile</b>	<a href="https://uomustansiriyah.edu.iq/e-learn/profile.php?id=242">https://uomustansiriyah.edu.iq/e-learn/profile.php?id=242</a>
<b>ORCID</b>	<a href="https://orcid.org/0000-0003-1673-0211">https://orcid.org/0000-0003-1673-0211</a>
<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57211915247">https://www.scopus.com/authid/detail.uri?authorId=57211915247</a>
<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?user=ymSX_dMAAAAJ&amp;hl=ar">https://scholar.google.com/citations?user=ymSX_dMAAAAJ&amp;hl=ar</a>
<b>ResearchGate</b>	<a href="https://www.researchgate.net/profile/Sundos-Alazawi">https://www.researchgate.net/profile/Sundos-Alazawi</a>
<b>Academia.edu</b>	<a href="https://independent.academia.edu/SundosAlazawi">https://independent.academia.edu/SundosAlazawi</a>
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/sundos-alazawi-545a231a4/">https://www.linkedin.com/in/sundos-alazawi-545a231a4/</a>






## PUBLICATIONS

33 Papers (2006–2026) ·  Scopus = Scopus-indexed

33 Papers (2006–2026) ·   
 Scopus = Scopus-indexed

#	Citation	Journal / Venue	Year
1	Alazawi, S.A.H., et al. Two-Factor Authentication Software for Bluetooth Pairing Between Mobile and PC Operating Systems.	<i>Iraqi Journal for Computer Science and Mathematics</i>	2025

		6.3 (2025): 42 ◯ <b>Scopus</b>	
2	Hussein, M.A., Hameed Alazawi, S.A., Hoomod, H.K. Analysis of Hybrid OS Security Using Machine Learning and Deep Learning. ICAETA 2025.	<i>Lecture Notes in Networks and Systems</i> , vol 1764. Springer ◯ <b>Scopus</b>	2026
3	Abdulhameed, A.A., Alazawi, S.A.H., Hassan, G.M. An optimized model for network intrusion detection in the network operating system environment.	<i>Mesopotamian Journal of CyberSecurity</i> 4.3 (2024): 75–85	2024
4	Derweesh, M.S., Alazawi, S.A.H., Al-Saleh, A.H. Hybrid deep learning system for network anomaly detection based on feedback processes.	<i>AIP Conference Proceedings</i> , Vol. 3207. AIP Publishing ◯ <b>Scopus</b>	2024
5	Alazawi, S.A.H., et al. Comparative study on applications of cybersecurity tools for Kali Linux operating system.	<i>AIP Conference Proceedings</i> , Vol. 3207. AIP Publishing ◯ <b>Scopus</b>	2024
6	Derweesh, M.S., Alazawi, S.A.H., Al-Saleh, A.H. Performance analysis of classification models for network anomaly detection.	<i>International Conference on Forthcoming Networks and Sustainability</i> . Springer Nature Switzerland ◯ <b>Scopus</b>	2024
7	Al-Barrak, A., Alazawi, S.A.H., Abdulhameed, A.A. Safety assessment model for DoS attacks detection in wireless communication and network OS environments.	<i>Intelligent Decision Technologies</i> (2025): 187249812513488 41 ◯ <b>Scopus</b>	2025
8	Ajeel, S.A., Alazawi, S.A.H. Optimizing CPU Resource Utilization in Cloud Computing Using ML and DL Techniques. ICCCN 2025.	<i>Lecture Notes in Networks and Systems</i> , vol 1775. Springer ◯ <b>Scopus</b>	2026
9	Baker, E.J., Alazawi, S.A., et al. User identification system for inked fingerprint pattern based on central moments.	<i>Indonesian Journal of Electrical Engineering and Computer Science</i> , Vol. 24, No. 2, pp. 1149–1160 ◯ <b>Scopus</b>	2021
10	Baker, E.J., Majeed, A.A., Alazawi, S.A., et al. Video steganography using 3D distance calculator based on YCbCr color components.	<i>Indonesian Journal of Electrical Engineering and Computer Science</i> , Vol. 24, No. 2, pp. 831–842 ◯ <b>Scopus</b>	2021
11	Alazawi, S.A.H., Abdullah, M.N. Online Failure Prediction Model for Open-Source Software System Based on CNN.	<i>The International Conference on Intelligent Systems &amp; Networks</i> . Springer, Singapore ◯ <b>Scopus</b>	2021
12	Abdulbaqi, A.S., Obaid, A.J., Alazawi, S.A.H. A Smart System for Health Caregiver Based on IoMT: Toward Tele-Health Caregiving.	<i>International Journal of Online &amp; Biomedical Engineering</i> 17.7 ◯ <b>Scopus</b>	2021
13	Alazawi, S.A., Al Salam, M.N. Evaluation of LMT and DNN Algorithms in Software Defect Prediction for Open-Source Software.	<i>Research in Intelligent and Computing in Engineering</i> . Springer, Singapore. pp.	2021

		189–203  Scopus
14	Alazawi, S.A., Al-Salam, M.N. FIBR-OSS: fault injection model for bug reports in open-source software.	<i>Indonesian Journal of Electrical Engineering and Computer Science</i> 20.1 (2020): 465–474  Scopus 2020
15	Alazawi, S.A., Al-Salam, M.N. Review of dependability assessment of computing system with software fault-injection tools.	<i>Journal of Southwest Jiaotong University</i> 54.4 2019
16	Mohialden, Y.M., Alazawi, S.A., Elewe, A.M. An improved life cycle for building secure software.	<i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 871. IOP Publishing  Scopus 2020
17	Alazawi, S.A., Hasan, R.A., Abdulhameed, A.A. Hand Recognition System Based on Invariant Moments Features.	<i>Research in Intelligent and Computing in Engineering</i> . Springer, Singapore. pp. 429–440  Scopus 2021
18	Alazawi, S.A., Shati, N.M., Abbas, A.H. Texture features extraction based on GLCM for face retrieval system.	<i>Periodicals of Engineering and Natural Sciences (PEN)</i> 7.3 (2019): 1459–1467  Scopus 2019
19	Alazawi, S.A., Abdulbaqi, H.A., Mohialden, Y.M. New Authentication Model for Multimodal Biometrics Based on Shape Features Vectors.	<i>Journal of Southwest Jiaotong University</i> 54.6 2019
20	Shati, N.M., Alazawi, S.A., Abdulbaqi, H.A. Background Subtraction (BS) Using Instant Pixel Histogram.	<i>Journal of Southwest Jiaotong University</i> 54.5 2019
21	Jafeer, E., Alazawi, S.A. Embedding digital watermarking Using Wavelet Transform.	<i>Education College Journal, Mustansiriyah University</i> , Vol. 16 2006
22	Stephan, J., Alazawi, S.A. Image Segmentation Using HIS Color Applied on Facial Features Extraction.	<i>Proceedings of DCCA2007 1st International Conference on Digital Communications</i> , Jordan 2007
23	Alazawi, S.A., Hasan, R.A. A Comparison between RHIS Method and Edge Detection Applied on Face Detection in Color Image.	<i>Information &amp; Technology Journal</i> , Vol. 23 2007
24	Alazawi, S.A. Object selection Based on Genetic Algorithm and HIS color Space.	<i>Journal of Science, College of Science, Mustansiriyah University</i> , Vol. 19, No. 6, pp. 127–135 2008
25	Alazawi, S.A., Abdulaziz, A. Information Hiding in Color Image Using Steganographic Technique.	<i>Basic Education Journal, Al-Mustansiriyah University</i> , Vol. 1105 2011
26	Alazawi, S.A. Eyes Recognition System using Central Moment Features.	<i>Engineering and Technology Journal, University</i> 2011

		<i>of Technology, Vol. 883</i>	
27	Alazawi, S.A., Jafeer, E. Topographic Images Classification Considering Color Information.	<i>Journal of Science, College of Science, Mustansiriyah University</i>	2011
28	Alazawi, S.A., Al-A'meri, J.H. Face Feature Recognition System Considering Central Moments.	<i>International Journal of Computational Engineering Research (IJCER), Vol. 5 Issue 1</i>	2013
29	Jafeer, E., Alazawi, S.A. Embed Watermarking in High of Image Coarseness.	<i>International Journal of Computational Engineering Research (IJCER), Vol. 4, No. 6</i>	2014
30	Alazawi, S.A. Facial Features Extraction by Relative Geometrical Position.	<i>International Journal of Computer Applications (0975-8887), USA, Vol. 98, No. 15</i>	2014
31	Alazawi, S.A. Authentication System For Off-line Fingerprint Image.	<i>International Journal of Scientific &amp; Engineering Research, France, Vol. 5, Issue 11</i>	2014
32	Alazawi, S.A., Jaffer, M., Muhamad, I. Geographic Image Classification Considering Texture Features by GLCM.	<i>Communications on Applied Electronics 5(5): 16-19</i>	2016
33	Alazawi, S.A., Radi, M.A., Gaata, M.T. Medical Image Classification Based on Texture Information.	<i>International Journal of Innovative Research in Computer Science &amp; Technology, Vol. 4, Issue 3</i>	2016