CURRICULUM VITAE

1. CONTACT DATA

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- ➢ **EADS ID:1632931**
- ➢ **Web of Science ResearcherID : F-8635-2019**
- ➢ **Scopus Author ID: 57204171230**

Affiliation: University of Information Technology and Communications, Faculty of Biomedical Informatics, Intelligent Medical Systems Department from 1/3/2023 to present

Previous Affiliation: Baghdad College of Economic Sciences University, Computer Science Department, Baghdad, Iraq from 1/10/2000 to 20/2/2023

2. PERSONAL DATA

- ➢ **Nationality: Iraqi**
- ➢ **Iraq Passport No. : A10022430**
- ➢ **Date of Birth : 15 /5/ 1976**
- ➢ **Gender: Female**
- ➢ **Marital Status : Married**
- ➢ **Children : Two**
- ➢ **Languages : English, Arabic**

3. ACADEMIC QUALIFICATIONS

- ➢ **B.Sc. in Computer Science, August 1999 Baghdad University, Iraq / College of Sciences / computer science department.**
- ➢ **M.Sc. in Computer Science, 2011 from Middle East University, Jordon.**
- ➢ **PhD in Computer Science, 2019 from Iraqi Commission for Computers and Informatics, Informatics Institute for Postgraduate Studies, Iraq.**

4. ACADEMIC & TECHNICAL EXPERIENCE

4.1 Positions

To	From	Position
2011/9/1	2000/10/1	**Lab Supervisor** at Baghdad College of Economic Sciences, Department of Computer Science ,Iraq (full-time)
ولغاية الان	2011/9/1	**Lecturer** at Baghdad College of Economic Sciences, Department of Computer Science ,Iraq (full-time)
2020/11/2	2020/8/1	**Head** of Scientific Affairs department at the Baghdad College of Economic Sciences
2021/5/1	2020/11/2	**Head** of Scientific quality and assurance department at the Baghdad College of Economic Sciences
2021/6/16	2021/5/2	**Associate Dean** for Scientific Affairs at the Baghdad College of Economic Sciences
2023/2/20	2021/6/16	**Head** of Scientific Affairs department at the Baghdad College of Economic Sciences
To present	2023/3/26	**Head** of Scientific quality and assurance department University of Information and Communication Technology

4.2 Professional Skills

4.2.1 Fundamentals

General jurisdiction
Computer sciences

Exact jurisdiction
Information Security

Research interest

Information Security , Cryptography, Digital Watermarking, Artificial Intelligence , Machine Learning, soft computing (expert systems, fuzzy systems, artificial neural networks, genetic algorithm), Relational and Distributed Database system, , Intelligent Agent, Data Mining and Data Warehouse, Programming languages using(C ++ Visual Basic, matlab, C ++, Prolog and SQL)

4.2.2 Courses Taught

No.	Course Name	Years
1	Relational database	2011-2015
2	System analysis and design	2011-2015
3	Intelligent applications (expert systems, fuzzy systems, artificial neural networks, genetic algorithm)	2015-until now
4	Programming language using C++	2018-2020
5	Soft computing	2020
6	Data structure	2020-2023
7	Distributed databases and Warehouse	2015-2023
8	Electronic Health Record (EHR)	2023
9	Computerized Genetic Sequence Analysis	2023

4.2.3 Academic skills
➢ Complete the e-learning vocational training program in Iraq from May to June 2020, organized by the US Embassy in Baghdad, the Ministry of Higher Education and Scientific Research and IREX.
➢ Several workshops and training courses I was held on the following topics:
➢ A workshop entitled "Curriculum System in Iraqi Universities" (2020).
➢ A workshop entitled "Advanced Database Systems" (2020).
➢ A workshop entitled "Conference Management Using the Edas System" (2020)
➢ A workshop entitled "GREEN COMPUTING TECHNOLOGIES " (2021)

- A workshop entitled " The strategic plan to improve the performance evaluation of the academic staff in light of the requirements of the Ministry of Higher Education and Scientific Research (2021)
- A workshop entitled " Sobriety of scientific journals and scientific publishing In light of the requirements of the Ministry of Higher Education and Scientific Research" (April 2022)
- Head of the Technical Program (TPC) for the first conference for the year 2020. Information Technology for the Promotion of E-Learning and Other Applications (IT-ELA 2020), held for the period 12-13 July 2020, Baghdad, Iraq, and organized by the Department of Computer Science / Baghdad College of Economic Sciences with technical sponsorship. IEEE Iraq EDAS Division and also TPC 2nd 2021 Conference (IT -ELA 2021) and 3rd (IT -ELA 2022)
- Member of the editorial board of the Journal of Baghdad College of Economic Sciences university
- Website designer for Journal of Baghdad College of Economic Sciences university
- I received more than 30 letters of thanks and appreciation from the Dean of the College and from academic institutions.
- I held many administrative positions (responsible for the Scientific Affairs Division at the Baghdad College of Economic Sciences, which includes four administrative units (from 1-8-2019 to 1-11-2019), responsible for the Quality and Performance Assurance Division at the Baghdad College for Economic Sciences, and an assistant dean for scientific affairs. And now I hold the position of responsible for the Quality Assurance Division in the College of Biomedical Informatics.

5. Latest published papers

- Zainab N. Al-Qudsy,Zainab Mahmood Fadhil,Refed Adnan Jaleel,Musaddak Maher Abdul Zahra. "Blockchain and 1D-CNN based IoTs for securing and classifying of PCG sound signal data." Fusion: Practice and Applications, Vol. 12, No. 2, 2023 ,PP. 28-41
- Z. N. Al-Qudsy, R. M. Kanona and S. A. Alyawer, "**Expert System for Diagnosis Fever with Rash Diseases for Pediatric Age Group using Adaptive Neuro- Fuzzy Inference System**," *2022 3rd Information Technology To Enhance e-learning and Other Application (IT-ELA)*, Baghdad, Iraq, 2022, pp. 67-72, doi: 10.1109/IT-ELA57378.2022.10107936.

➤ Abdulkareem, Karrar Hameed, et al. "**Automated System for Identifying COVID-19 Infections in Computed Tomography Images Using Deep Learning Models**." *Journal of Healthcare Engineering* 2022 (2022).

➤ Kanona, Rusul M., Zainab N. Al-Qudsy, and Shaymaa Azzam Alyawer. "Forward error correction in 5G heterogeneous network." *Periodicals of Engineering and Natural Sciences (PEN)* 10.2 (2022): 90-100

➤ Z. N. A.-Q., et al., (2020). **An Effective Algorithm depending on DWT and SVD Transforms for Watermarking Images**. International Journal of Advanced Science and Technology, 29(2), 3712.

➤ Z. N. Al-Qudsy, S. H. Shaker and N. A. Saeed, "**Hashed Watermarking Algorithm for 3D Authentication Model**," *2019 2nd Scientific Conference of Computer Sciences (SCCS)*, Baghdad, Iraq, 2019, pp. 69-74.

➤ Al-QUDSY, ZAINAB N., SHAIMAA H. SHAKER, and NAZHAT SAEED ABDULRAZQ. "**AN INTELLIGENT WATERMARKING ALGORITHM FOR 3D MODELS BASED ON FUZZY INFERENCE TECHNIQUE**." *Journal of Theoretical and Applied Information Technology* 97.9 (2019).

➤ Al-Qudsy, Z. N., Shaker, S. H., & Abdulrazzque, N. S. (2018, October). **Robust Blind Digital 3D Model Watermarking Algorithm Using Mean Curvature**. In International Conference on New Trends in Information and Communications Technology Applications (pp. 110-125). Springer, Cham.

➤ Al-Qudsy, Z.N., Shaker, S.H., and Abdulrazzque, N.S.: '**Proposed an efficient blind digital 3D model watermarking algorithm using geometrical properties**', Interciencia Journal , , 2018, 43, (11), pp. 110-125.