

Curriculum Vitae

PERSONAL DETAILS:

Name: Soleen Jaladet Mohammed Saleh Jubrael Al - Sofi

Date of Birth: 01/08/1980

Nationality: German

Designation: PhD, Lecturer (Staff Member)

Field Of Specialization: Lecturer in Computer Engineering -
Computer Networks

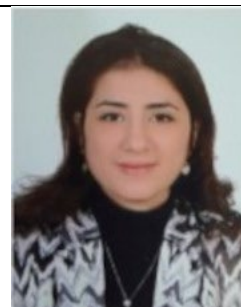
Position: Head of Scientific Affairs and Postgraduate Studies Unit

Department: Biomedical Engineering

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ACADEMIC QUALIFICATIONS:

- PhD. on Computer Networking at the Department of Electrical and Computer Engineering awarded 2025 at the University of Duhok, Duhok– Iraq

Dissertation title: Performance Optimization of Wireless Body Area Networks for e-Health Applications

- M. Sc. on Computer Networking at the Department of Computer and Software Engineering awarded 2005 at the University of Al Mustansiriya, Baghdad – Iraq

Thesis title: A Simulation of a Secure Electronic Government System

- B. Sc. Department of Computer and Software Engineering awarded 2002 at the University of Al Mustansiriya, Baghdad – Iraq

B.Sc. Project: Design and Simulation of a Function Generator

WORK EXPERIENCE:

- Head of Scientific Affairs and Postgraduate Studies Unit / College of Engineering/ University of Duhok, (Sep. 2026 - current).
- Lecturer, PhD (staff member), Department of Biomedical Engineering / University of Duhok (May 2025 - present).
- Bologna Coordinator in Biomedical Engineering Department / University of Duhok (Sep. 2024 – present).

- QA Coordinator in Biomedical Engineering Department / University of Duhok ((Sep. 2023 – present).
- Moodle Coordinator in Biomedical Engineering Department / University of Duhok (Sep. 2021 – present).
- Lecturer, M.Sc. (staff member), Department of Biomedical Engineering / University of Duhok (Oct. 2020 – April 2025).
- Rapporteur of the Biomedical Department for three months (as substitute) at (Sep. 2019 - Nov. 2019).
- Assistant Lecturer (staff member), Department of Biomedical Engineering / University of Duhok (Sep. 2018 – Sep. 2020).
- Assistant Lecturer (staff member), Department of Electrical and Computer Engineering / University of Duhok (Nov. 2012 – Sep. 2018).
- Assistant Lecturer, Department of Computer Science / University of Duhok (Sep. 2005 - June 2006).

TEACHING EXPERIENCE:

- Logic for 1st year Computer Science Department (2005 – 2006).
- Logic Lab. for 1st year Computer Science Department (2005 – 2006).
- Computer Skill for 1st year Electrical and Computer Engineering Department. (2012 – 2016).
- Engineering Drawing for 1st year Electrical and Computer Engineering Department. (2012-2013 and 2017-2018).
- Operating System Lab for 3rd year Electrical and Computer Engineering Department. (2013 – 2016).
- Computer Networking for 4th year Electrical and Computer Engineering Department. (2015 – 2018).
- Computer Networking Lab for 4th year Electrical and Computer Engineering Department. (2012 – 2018).
- Image Processing Lab for 4th year Electrical and Computer Engineering Department. (2015 – 2018).
- Digital System Design Lab for 2nd year Electrical and Computer Engineering Department. (2015 – 2017).
- Supervising Mini Projects for 2nd year and Group Projects for 3rd year Electrical and Computer Engineering Department. (2015 -2020).
- Supervising Final Projects for 4th year Electrical and Computer Engineering Department. (2016 -2020).
- Academic Debate for 1st year Electrical and Computer Engineering Department. (2015 – 2019).
- Mathematics I for 1st year Biomedical Engineering Department (2019).
- Computer Skill for 1st year Biomedical Engineering Department (2019).

- Signals and Systems Lab for 2nd year Biomedical Engineering Department (2019-2020) and for 2nd year Electrical and Computer Engineering Department (2020).
- Medical Equipment Lab for 3rd year Biomedical Engineering Department (2021 till now).
- Medical Measurements Lab for 4th year Biomedical Engineering Department (2021 till now).
- Digital System Design Lab for 2nd year Biomedical Engineering Department (2020 till now).
- Academic Debate for 1st year Biomedical Engineering Department (2019 till now).
- Rapid Prototyping for 4th year Biomedical Engineering Department (2024 till now).
- Radiology Equipment Lab for 4th year Biomedical Engineering Department (2025 till now).
- Image Processing for 3rd year Biomedical Engineering Department (2025 till now).
- Digital System Design for 2nd year Biomedical Engineering Department (2025 till now).
- Supervising Mini Projects for 3rd year Biomedical Engineering Department (2025 till now).
- Calculus 1 for 1st year Electrical and Computer Engineering Department. (2025).

PUBLISHED PAPERS:

- Al-Sofi, S. J., Atroshey, S. M. S., & Ali, I. A. (2024). IEEE 802.15. 6 and LoRaWAN for WBAN in Healthcare: A Comparative Study on Communication Efficiency and Energy Optimization. Computers, 13(12), 313.
- Al-Sofi, S. J., Atroshey, S. M. S., & Ali, I. A. (2024). Enhancing sustainable healthcare practices through energy-efficient wireless body area networks. Heritage and Sustainable Development, 6(2), 571-588.
- Al-Sofi, S. J., Atroshey, S. M. S., & Ali, I. A. (2023). Review of wireless body area networks: protocols, technologies, and applications. Bulletin of Electrical Engineering and Informatics, 12(6), 3677-3689.
- Al-Sofi, S. J., Atroshey, S. M. S., & Ali, I. A. (2023). Energy efficient routing protocols in wireless body area networks for health monitoring: a review. Indonesian Journal of Electrical Engineering and Computer Science, 32(2), 933-944.
- Soleen Jaladet Al-Sofi “INTEGRATION OF AN INFORMATION SYSTEM TO SUGGEST A DRL MODEL IN RADIOLOGY DEPARTMENT AT AZADI HOSPITAL IN DUHOK – KURDISTAN REGION, IRAQ”, Journal of Duhok University, vol. 23, no 2, 2020.
- Soleen Jaladet Al-Sofi and Martin Fiebich “DEVELOPMENT OF A MODIFIED LIST FOR STANDARDIZED STUDY DESCRIPTIONS IN THE IMPLEMENTATION OF DOSE MANAGEMENT SYSTEMS IN RADIOLOGY”, Journal of Duhok University, vol. 23, no 1, 2020.

PROFESSIONAL AFFILIATION/MEMBERSHIP:

- Member of the Engineers Union since 2002
- Member in the Refugee Student Operational Support Unit (R-SOS) at University of Duhok 2019-2020.

ACTIVITIES:

- Participated and supervised two student groups from the Biomedical Engineering Department, where each group presented a Biomedical project at MEDICO 2026, held 11–14 August 2026 at the Erbil International Fairground, through MedStars. The projects were **Sign Language Translator Glove** and **Mind-Controlled Motor System**
- Participated in a joint delegation from the University of Duhok (UoD) as representer from the College of Engineering at the 5th Middle East Education, Technology, Students Congress & Exhibition (M.E.T.S), held at the Erbil International Fairground from July 30 through August 2, 2026.
- Organized 2nd International Symposium on Recent Techniques in Biomedical Engineering & Graduation Ceremony of Biomedical Engineering Department on November 30, 2025. Also participated and presented two scientific research posters **AI-Driven Cross-Layer Enhancement of WBAN Performance for e-Healthcare Applications and IEEE 802.15.6 and LoRaWAN for WBAN in Healthcare: A Comparative Study on Communication Efficiency and Energy Optimization.**
- Participated in a joint delegation from the University of Duhok (UoD) as representer from the College of Engineering at the 4th Middle East Education, Technology, Students Congress & Exhibition (M.E.T.S), held at the Erbil International Fairground from 21-24 August 2025.
- Participated as a speaker in the International Conference on Global Healthcare on March 3-4, 2025, Dubai, UAE
- Participated in a regional workshop with Ministry of Higher Education & Scientific Research to represent for the University of Duhok as a Programme Coordinator of Biomedical Department, to Redesign of Programs in Kurdistan Universities and Institutes by Defining Knowledge, Skills, and Competencies, Engagement with Accreditation Standards, Assessment and Evaluation and Curriculum Development & Program Structure at 16th May 2024.
- Conducted Several Courses such as **“Computer Skills”, “Microsoft Office Suite”, “How to write a CV”** and **“Job Interview”** for refugee students in the UOD R-SOS Unit during the time period 1st July to 26th August 2019 in Duhok, Iraq (KRI).
- Participated in the RESCUE Study Visit to the University of Barcelona Refugee Support Programme, Barcelona at 12th – 14th June 2019.
- Participated in RESCUE Refugees Education Support in MENA Countries, Study Visit in Rome at Sapienza University, Rome-Italy at 10th – 11th June 2019.

- Trained at the Radiology Department in Azadi General Hospital in Duhok, Iraq (KRI) for three months since 27th March 2019.
- Participated in the DAAD project “Bioniq- Bio/MedPhys” to visit university of applied science, THM Giessen, Germany in the period 1st of October 2018 to the 31st of December 2018.
- Participated in the 2nd International Summer School on Cyprus part of the master course of “Biomedical Engineering” of the module “Signal and Image processing in Medicine”, Cyprus (6 ECTS). (this program was Granted by DAAD).

RESEARCH INTERESTS

- Computer Networking
- Wireless Body Area Networks
- Wireless Networks
- Bio-Networking
- Biomedical Imaging and Machine Learning
- Biomedical Image Processing

AWARDED CERTIFICATES:

- Certificate of Successful Conduct in Several Courses in the UOD R-SOS Unit in the framework of the Erasmus in Duhok, Iraq (KRI) 2019
- Certificate of participation in the framework of the Rescue project: “Programme of Support for Refugees and people from conflict Areas” in Barcelona, Spain 2019
- Certificate of participation in the framework of Erasmus + Capacity building in the field of Higher Education project: “Refugees Education Support in Mena Countries – Rescue” in Rome, Italy 2019
- Certificate in Biomedical Engineering: Signal and Image Processing in Medicine at the 2nd International Summer School on Cyprus September 2018.
- Certificate in Methods of Teaching from Training and Development Center/University of Duhok, Iraq 2015.
- Certificate for the English Course Listening and Speaking at the University of Paderborn, Germany 2012.
- Certificate for the German B1 level in German language in Paderborn, Germany 2010.

LANGUAGES

- Kurdish (native)
- Arabic (native)
- English
- German