

# Saif Saad Fakhruddin

B.D.S., M.Sc.

University of Mosul

College of Dentistry

Curriculum Vitae



## Personal Information

- **Name:** Saif Saad Fakhruddin
- **Date of Birth:** 10/1/1988
- **Place of Birth:** Mosul / Nineveh
- **Sex:** Male
- **Marital Status:** Married
- **Nationality:** Iraqi

## Academic Information

- **Department:** Teaching hospital
- **General Specialty:** Engineering
- **Specific Specialty:** Medical Electronic Instrumentation Techniques Engineering
- **Qualification:** MSc.
- **Current Academic Rank:** Assistant lecturer
- **Years in Service:** 11 Years
- **Academic E-mail:** saif.saad@uomosul.edu.iq
- **Google Scholar:** Saif Saad Fakhruddin
- **Research Gate:** Saif Saad Fakhruddin
- **Researcher ID in Web of Science (Publons):** AAK-5154-2020
- **Orchid Account:** <https://orcid.org/0000-0002-5907-5512>
- **Scopus Account:** Saif Saad Fakhruddin
- **H – Index:** 3
- **Research Interests:** wireless body sensor network, Drone applications, medical devices, and microcontroller applications.



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## Academic Qualifications

- **BSc.: Medical Electronic instrumentation Techniques Engineering/ Technical College of Mosul/ Northern Technical University / 2009.**
- **M.Sc.: Medical Electronic instrumentation Techniques Engineering / Electrical Engineering Technical College/ Middle Technical University / 2019.**
- **Ph.D. Student/ Gujarat Technological University/ 2021- Till now.**

## Academic Ranks

- 1. Engineer: Teaching Hospital / College of Dentistry/ University of Mosul, from 23/2/2012- 15/9/2017.**
- 2. Assistant lecturer: Teaching Hospital / College of Dentistry/ University of Mosul, from 2/9/2019 - Now.**

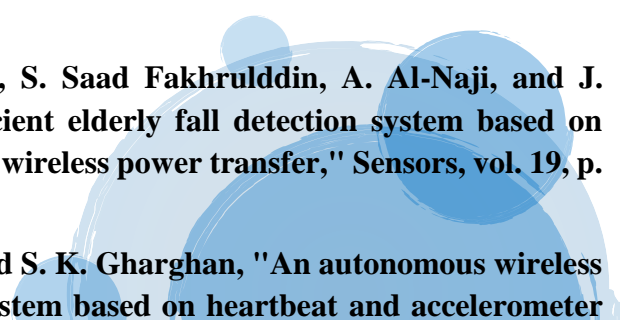
## Undergraduate Teaching

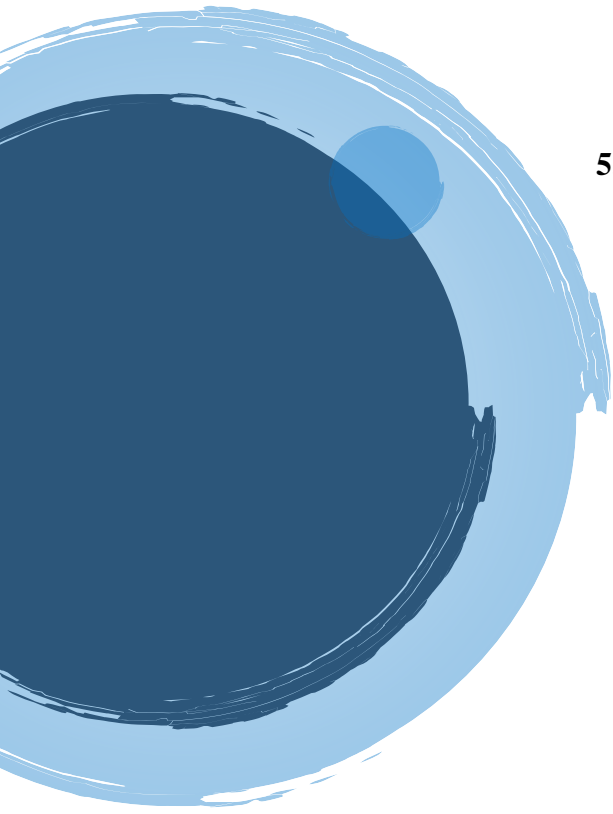
- **Control system / 3<sup>th</sup> year / Theory and Practice**

## Membership of Professional Organizations

- **Member of the Iraqi Engineers Union / IRAQ since 2010**

## Publications

- 1. S. S. Fakhruddin, S. K. Gharghan, and S. L. Zubaidi, "Accurate Fall Localization for Patient based on GPS and Accelerometer Sensor in Outside the House," in 2020 13th International Conference on Developments in eSystems Engineering (DeSE), 2020, pp. 432-436.**
  - 2. S. S. Fakhruddin and S. K. Gharghan, "An elderly first aid system based-fall detection and unmanned aerial vehicle," in IOP Conference Series: Materials Science and Engineering, 2020, p. 012096.**
  - 3. S. Kamel Gharghan, S. Saad Fakhruddin, A. Al-Naji, and J. Chahl, "Energy-efficient elderly fall detection system based on power reduction and wireless power transfer," Sensors, vol. 19, p. 4452, 2019.**
  - 4. S. S. Fakhruddin and S. K. Gharghan, "An autonomous wireless health monitoring system based on heartbeat and accelerometer**
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sensors," *Journal of Sensor and Actuator Networks*, vol. 8, p. 39, 2019.

5. S. S. Fakhruddin, S. K. Gharghan, A. Al-Naji, and J. Chahl, "An advanced first aid system based on an unmanned aerial vehicles and a wireless body area sensor network for elderly persons in outdoor environments," *Sensors*, vol. 19, p. 2955, 2019.

