

## CV



**Name:** Dr Zahraa A. Al-Saffar

**DOB:** 1981

**General Specialization:** Biomedical Engineering

**Specific Specialization:** Biomedical image Processing

**Scientific Degree:** Lecturer

**Languages:** Arabic, English, Turkish, and French.

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**ResearchGate page:**

<https://www.researchgate.net/profile/Zahraa-Al-Saffar-2>

**Google Scholar Citations:**

<https://scholar.google.com/citations?user=HeoNPb8AAAAJ&hl=en>

**Orcid:** <https://orcid.org/0000-0003-0536-4818>

### **First: Scientific Certification:**

No.	Certificate	Country	University	College	Date
1	BSc	Iraq	Engineering	Baghdad	2003
2	MSc	Iraq	Engineering	Nahrain	2010
3	PhD	Turkey	Engineering	YTU	2021



## Second: Courses You Taught:

No.	Branch	Material	Year
1	Biomedical Engineering	<ul style="list-style-type: none"><li>Engineering drawings</li><li>Medical measurements Lab</li></ul>	2004-2005
2	Biomedical Engineering	<ul style="list-style-type: none"><li>Engineering drawings</li><li>Medical measurements Lab</li></ul>	2005-2006
3	Biomedical Engineering	<ul style="list-style-type: none"><li>Logic</li><li>Introduction to Biomedical Engineering</li></ul>	2010-2011
4	Biomedical Engineering	<ul style="list-style-type: none"><li>Logic</li><li>Biomedical sensors</li><li>X-ray and Microwaves</li></ul>	2011-2012
5	Biomedical Engineering	<ul style="list-style-type: none"><li>Engineering drawings</li><li>Biomedical sensors</li></ul>	2012-2013
6	Biomedical Engineering	<ul style="list-style-type: none"><li>Engineering drawings</li><li>Biomedical sensors</li></ul>	2013-2014

## Third: Conferences Participated In:

No.	Conference Title	Year	Place	Participation Type
1	Artificial Organs	2009	Al-Khwarizmi college of Engineering	Participation
2	A1H1	2010	Al-Khwarizmi college of Engineering	Participation
3	الهندسة الطبيه في خدمة المجتمع	2009	Al-Nahrain university/ college of Engineering	Participation
4	مهرجان السيادة الرابع	2010	مجمع الجادريه	Participation
5	ندوة عن الاطراف الصناعية	2011	Al-Nahrain university/ college of Engineering	Participation
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## Fourth: Research Projects in The Felid of Specialization Concerning Environment & Society or the Development of Education:

1. "A hybrid approach based on multiple Eigenvalues selection (MES) for the automated grading of a brain tumor using MRI." Computer Methods and Programs in Biomedicine 201, 105945
2. "A Novel Approach to Improving Brain Image Classification Using Mutual Information-Accelerated Singular Value Decomposition." IEEE Access 8, 52575-52587



3. “An optimized clustering approach for tumor segmentation using local difference of intensity level in MR brain images” 2018 Innovations in Intelligent Systems and Applications (INISTA), 1-8
4. “Theoretical and Practical Investigation of Blood Flow through Stenosed Coronary Lad Artery” Al-Khwarizmi Engineering Journal 9 (3), 38-57





### **Fifth: Membership:**

No.	Name of Group	Year	Membership Type
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### **Sixth: Scientific Activities:**

1. Matlab and Simulink Workshop, Malaysia, June, 2012.
2. gtec BCI Workshop, University of Malaya, Fakulti Kejuruteraan, Malaysia, November, 2012.

### **Seventh: Awards and Certificates of Appreciation:**

No.	Name of Awards or Certificate	Donor	Year
1	Letter of Appreciation	Dean of Al-Khwarizmi College of Engineering	2010
2	Letter of Appreciation	Dean of Al-Khwarizmi College of Engineering	2011
3	Letter of Appreciation	Dean of Al-Khwarizmi College of Engineering	2013
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No.	Name of Awards or Certificate	Donor	Year
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**Eighth: Career:**

No.	Career	Workplace	From -To
1	Assistant Lecturer	Al-Khwarizmi college of Engineering	10/10/2010 16/04/2022
2	Lecturer	Al-Khwarizmi college of Engineering	16/04/2022

