

Curriculum vitae

PERSONAL INFORMATION:

NAME: Laith Azeez Jawad AL-Saadi

NATIONALITY: Iraqi

PLACE AND TIME OF BIRTH: Iraq. Baghdad.
1978

SOCIAL SITUATION: married

NUMBER OF CHILDREN: 5

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EDUCATION:

bachelor's degree of Physics Science, Al-Mustanssiryia University,
2002

Master of Physics Science/ digital image processing, AL-Mustanssiryia
University, 2007

Thesis title:

**"Speeding up Fractal Image Compression Using Domain Blocks
Classification according to their Summation Factor Techniques"**

Doctor of Philosophy in Physics Science/ remote sensing and digital
image processing, University of Baghdad, 2015

Thesis title:

**" Groundwater Assessment Method of AL-Dibdibba Basin by
Utilizing the Remotely Sensed Data and Geographic Information
System Tools"**

THE SCIENTIFIC TITLE:

Assistant Professor

ADMINISTRATIVE AND PROFESSIONAL WORK:

1. Contribution the field works to detect and identify the (mortal) remains in AL-Khamessiyia location utilizing **GPR** techniques, Thi Qar in 2015.
2. The execution of "**Differential Global Positioning System DGPS**" project in cooperation with industry and mineral ministry, 2018
3. cooperation with ministry of culture and AL-Karkh university to non- destructive detection of features in Sason Hisqeel house at AL- Rasheed Street, Baghdad, 2019.
4. cooperation with ministry of water resources, 2017
5. cooperation with survey department/ university of baghdad to train on the modern survey devices and implementation of scientific workshops.
6. Teaching in physics department laboratories from 2006 to2012.
7. Working as researcher in remote sensing unit from 2012 to 2018
8. The manager of remote sensing unit from 2018 till now.
9. Teaching in remote sensing and geographic information system department from 2016 to 2020.
10. Teaching the master students of physics department the (special topic)
11. Supervising the master students of physics department.
12. Member in many administrative and scientific committees of the science college.
13. Reviewer for many scientific articles and thesis.

SCIENTIFIC SKILLS:

- 1. Expert in employment the Ground Penetrating Radar and Radargram image interpretation.**
- 2. Expert in employment Arc GIS program 9.3-10.5 and geographical data spatial analysis.**
- 3. Expert in employment ERDAS program to process satellite imagery.**
- 4. Programing utilizing MATLAB.**
- 5. Programing utilizing Visual Basic.**

SCIENTIFIC RESEARCHES:

- 1. AL-Dibdiba Formation Basin Hydrological Aspects Extraction Using GIS techniques and Quantitative Morphometric Analysis . (IJS. Vol(55), N0.(1), 2014)**
- 2. An Adaptive Automatic Algorithm for Extracting Geological Lineaments in AL-Dibdibba Formation Basin . (IJS. Vol(56), N0.(1C), 2015)**
- 3. The Use of Geographic Information System Facilities to Estimate the Evapotranspiration in Iraq According to Thornthwaite Adjusted Formula. (IJS. Vol(57), N0.(4A), 2016)**
- 4. The Climatic Quality Index Determination for Iraq Using Meteorological Stations Data. (IJS. Vol(57), N0.(4C), 2016)**

- 5. The Determination of Optimum Dam Location in AL-Abeadh Basin Utilizing Remote Sensing and Geographical Information System Techniques . (IJAS. Vol(50), N0.(special issue), 2018)**
- 6. Utilizing remote sensing techniques to extract the geological lineaments in AL-Najaf plateau. (IJNS. Vol(9), N0.(52), 2019)**
- 7. AL-Abiadh Valley Drainage Basin Environmental Aspects Extraction Using Quantitatively Morphometric Analyses of Shuttle Radar Topographic Mission Data . (BSJ. Vol(16), N0.(1), 2019)**
- 8. The Utilizing Integration of Remotely Sensed Morphometric Aspects and Hypsometric Analyses to Determine The Geomorphological Characteristics of AL-Abeadh Valley Watershed . (IJAS. Vol(50), N0.(1), 2019)**
- 9. The use of ground penetrating radar to assess the concrete (IJS, Vol(60), N0.(9), 2019)**
- 10. Utilizing remote sensing techniques to extract the geological lineaments in AL-Najaf plateau. (IJNS, Vol. (9), N0.(52), 2019)**
- 11. Qurain AL-Thamad valley hydrological aspects extraction using remote sensing and geographic information techniques. (IJS. Vol(60), N0.(10), 2019)**
- 12. Integrative use of Penman-Monteith Equation with remote sensing and geographical information techniques to estimate evapotranspiration variances in Iraq . (IJAS. Vol(51), N0.(2), 2020)**

- 13. The Utilizing of Remote Sensing Imagery and Inverse Distance Weighted Scheme to Simulate White Oil Effects on Soil Geotechnical Properties (IJS. Vol(62), N0.(8), 2021)**
- 14. Utilizing integration of remotely sensed Digital Elevation Model Data and Geographic Information System Facilities to Estimate Net Solar Radiation Variances In Iraq from(1987-2017) (IJS. Vol(62), N0.(2), 2021)**
- 15. Demonstration of Net Solar Radiation Geographical Behavior revers Correlation with Relative Humidity in Iraq Using Spatial Analysis Techniques(accepted 2021)**
- 16. Utilizing remote sensing and GIS techniques to locate optimal sites for thermal solar plants in Iraq(accepted in International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability TMREES21Gr Int'l Conf. Athens - Greece. 28-29-30 May, 2021)**
- 17. Utilizing Ground Penetrating Radar to Detect Human Remains in Al_Khamessiya Location Southern of Iraq (sent for review-2020)**