# Curriculum Vita



# Munya Fadhil Al-Zuhairi, P.hD.

**Lecturer**

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## PERSONAL DATA

**Date of Birth:**  December 3, 1983

**Place of Birth:** Baghdad, IRAQ

**Nationality:** Iraqi

**Languages:**  Arabic (Mother), English

### EDUCATION

**B.Sc. in Atmospheric Sc. (2005)** Dept. of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

**M.Sc. in Atmospheric Sc. (2010)** Dept. of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

Thesis**:** *Study Analysis of the Synoptic Patterns for*

*Rainfall in Iraq using Satellites Data*

**P.hD. in Atmospheric Sc. (2017)** Dept. of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

Thesis**:** *Characteristics of Rainfall over Iraq using*

*TRMM Satellite-Borne Radar*

### EMPLOYMENT

**2017 – Date**  Lecturer, Department of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

**2010 – 2017**  Assistant Lecturer, Department of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

**2006 - 2010:**  Lab Assistant, Department of Atmospheric Sciences, College of Science,

Mustansiriyah Univ., Baghdad, IRAQ

### TEACHING EXPERIENCE

More than 17 years’ experience in teaching undergraduate courses in atmospheric sciences.

**COURSES TAUGHT**

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| **Undergraduate** |
| Remote Sensing of the Atmosphere  Atmospheric Dynamics  Introduction to Atmospheric Sciences  Cloud Physics |

### COMPUTER EXPERIENCE

Computer Languages (FORTRAN, MATLAB).

Microsoft Office

Many Scientific Packages.

Internet

### CURRENT RESEARCH INTEREST

Cloud Physics, Aerosols and Dust Storms, Radar and Remote Sensing.

### PARTICIPATION IN SCIENTIC CONFERENCES AND WORKSHOPS

* The Sixth Scientific Conference of the College of Science, Mustansiriyah University, Baghdad, Iraq, May 5-6, 2010.
* Azarquiel School of Astronomy - A bridge between East and West, Universidad de Granada, Granada, Spain, July 4-11, 2010.
* The Seventh Scientific Conference of the College of Science, Mustansiriyah University, Baghdad, Iraq, May 4-5, 2011.
* The First Scientific Conference of the Department of Atmospheric Sciences, College of Science, Mustansiriyah University, Baghdad, Iraq, Sep 28-29, 2020.
* The 8th International Scientific College of Science in Atmospheric Sciences, Mustansiriyah University, Baghdad, Iraq, May 3-4, 2023.

**ACADEMIC HONORS AND AWARDS**

* Many Letters of Acknowledgement and Appreciation for research and teaching from the President of Mustansiriyah University and the Dean of the College of Science

**PUBLICATIONS**

* Abdul Wahab, S. A., M. F. Al-Zuhairi 2011: Synoptic Study of Rainfall in Iraq using Satellites Data. *Journal of college of Education*, Vol. **6**, 273-288.
* Al-Jumaily, K.J., M. F. Al-Zuhairi, Z.S. Mahdi 2012: Estimation of clear sky hourly global solar radiation in Iraq. *International Journal of Energy and Environment*, Vol. **3**, 659-666.
* Al-Zuhairi, M.F., J. H. Kadhum, A. J. M. Farhan, 2013. Time Series Analysis of Southern Oscillation Index and Temperature over Iraq. *Diyala Journal for Pure Sciences*, Vol. **9**, No.3, 57-68.
* Al-Zuhairi, M.F., K.J. Al-Jumaily, A.M. Al-Salihi 2016: Characteristics of Precipitation Systems over Iraq Observed by TRMM Radar. *American Journal of Engineering Research*, Vol. **5**, 76-81.
* Al-Zuhairi, M.F., K.J. Al-Jumaily, A.M. Al-Salihi 2016: Analysis of TRMM Precipitation Radar Measurements over Iraq. *International Journal of Scientific and Research Publications*, Vol. **6**, 1-9.
* Majeed, H.T., M. F. Al-Zuhairi, D.A. Mahmood 2020: Decadal Surface Temperature Trends in Iraq using NOAA/ESRL Gridded High Resolution Data. *Journal of Physics: Conference Series*, Vol. **1660(2020)**, 012078.
* Al-Zuhairi, M. F., J. H. Kadhum 2021: Spatiotemporal distribution of the Aura-OMI aerosol index and dust storm case studies over Iraq. *Arabian Journal of Geosciences*, Vol. **14**, 1-22.
* Kadhum, J. H., M. F. Al-Zuhairi, A. A. Hashim 2022: Synoptic and dynamic analysis of few extreme rainfall events in Iraq. *Modeling Earth Systems and Environment*, Vol. **8**, 4939-4952.