

Curriculum Vitae

HUSAM TAREQ MAJEED

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PERSONAL SUMMARY:

- Lecturer of atmospheric sciences with over 17 years' experience in teaching and conducting research in atmospheric physics and dynamics, atmospheric remote sensing, and climate studies. Current research interest focuses on atmospheric back trajectory models, climatology and climate change. I have a good experience in programming languages such as Matlab, Fortran. Arabic is my native languages and can speak and read English fluently.

EDUCATION:

Ph.D. In Climate (2018) Universitat Politècnica de Catalunya (UPC) Barcelona- Spain .

M. Sc. in Meteorology (2001) Department of Atmospheric Sciences, College of Science, Mustansiriyah University, Baghdad, Iraq
Thesis: *Study of some climate elements and variables over Iraq and surrounded regions*

B. Sc. in Atmospheric Sc.(1998) Department of Atmospheric Sciences, College of Science, Mustansiriyah University, Baghdad, Iraq

Computer Experience:

- Operating System (MS DOS and Microsoft Windows)
- Microsoft Office
- Many Scientific Packages.
- Internet

ACADEMIC /TEACHING EXPERIENCE:

- At Mustansiriyah University College of science, department of Atmospheric Sciences:**
 - More than 9 years' experience in teaching undergraduate students in atmospheric sciences.
 - More than 5 years' experience in teaching computer science for continuing education courses.

COURSES TAUGHT:

Undergraduate	Undergraduate
Atmospheric Sciences Lab	Computer
Atmospheric Thermodynamics Lab	Cloud physics
Remote Sensing Lab	Numerical weather
Program 1and 2	Air pollution
	Atmo. Chemistry

PROFESSIONAL AFFILIATIONS:

- 2008 – Date Lecturer, Department of Atmospheric Sciences, College of Science, Mustansiriyah Univ., Baghdad, IRAQ
- 2002 - 2008: Assistant lecturer, Department of Atmospheric Sciences, College of Science, Mustansiriyah Univ., Baghdad, IRAQ
- 2001 – 2002: Assistant Physicist. Department of Atmospheric Sciences, College of Science, Mustansiriyah Univ., Baghdad, IRAQ
- Member of the Undergraduate Examination Committee for more than 5 years.
- Member of the administration staff in the Mustansiriyah Bureau for Scientific Consultation for more than 3 years.
- Member of the American Meteorological Society since 2016

PUBLICATIONS:

- **Majeed, H.T.**; Periago, C.; Alarcón, M.; Belmonte, J. (2018). Airborne pollen parameters and their relationship with meteorological variables in NE Iberian Peninsula. *Aerobiologia*. <https://doi.org/10.1007/s10453-018-9520-z>.
- Alobaidi, A. H., Taresh, O. J., and **Majeed, H. T.** (2017). A Study of the Effect of the North Atlantic Oscillations with Temperature and Precipitation in Baghdad City. *Ibn AL-Haitham Journal For Pure and Applied Science*, 27(3), 247-255.
- Izquierdo, R.; Alarcón, M.; **Majeed, H.T.**; Periago, C.; Belmonte, J. (2015). Influence of atmospheric teleconnection patterns on airborne pollen levels in the NE Iberian Peninsula. *Climate Research*, 66(2), 171-183.
- **Majeed, H. T.**, 2008: The Vertical wind Motion in Iraq under Anticyclonic Conditions. *Al-Mustansiriyah Journal of Science*, Vol. 19, No. 6., 113-117.
- **Majeed, H. T.**, 2009: A Simple Computer Model for Solar Radiation under Variable and Cloudless Skies. *Mustansiriyah College of Education Journal*, Vol. 36, No. 1, 308-316.

PROFESSIONAL DEVELOPMENT

CERTIFICATIONS:

- IC3 (Internet and Computing core certification)
- Certificate of participation in Earth Sciences Simulation Environment - Universitat Politècnica de Catalunya, Spain- Barcelona Supercomputing Center 2016.
- Certificate of participation in the Simulation Environments for Life Sciences - Universitat Politècnica de Catalunya, Spain- Barcelona Supercomputing Center -2017.

CONFERENCES:

- Majeed, H.T.; Periago, M.C.; Alarcon, M.; Belmonte, J. (2017): Influence of wind on daily airborne pollen concentrations in Catalonia (NE Iberian Peninsula). *MedPalyno 2017: Mediterranean Palynology APLE-GPPSBI-APLF Symposium*. Barcelona, 4-6 September 2017. Pag: 104. ISBN: 978-84-945378-7-5
- Majeed, H.T.; Periago, M.C.; Alarcon, M.; Belmonte, J. (2017): Effect of temperature and precipitation on the airborne pollen parameters in Catalonia (NE Iberian Peninsula). *MedPalyno 2017: Mediterranean Palynology APLE-GPPSBI-APLF Symposium*. Barcelona, 4-6 September 2017. Pag: 133. ISBN: 978-84-945378-7-5

- Periago, M.C.; Majeed, H.T.; Alarcon, M.; Belmonte, J. (2017): The effect of wind on daily airborne pollen concentrations in Catalonia (NE Iberian Peninsula). RICTA 2017: 5th Iberian Meeting on Aerosol Science and Technology. Barcelona, 4-6 July 2017.
- Majeed, H.T.; Periago, M.C.; Alarcón, M.; Belmonte, J.; De Linares, C. (2016): Influence of wind on daily airborne pollen counts in Catalonia (NE Iberian Peninsula). EGU 2016: European Geosciences Union General Assembly. Viena (Austria), 17-22 April 2016. Geophysical Research Abstracts Vol. 18.
- Majeed, H.T.; Periago, M.C.; Alarcón, M.; Izquierdo, R.; Belmonte, J. (2015): Forecasting the start of the pollination period for some taxa in Catalonia (NE Iberian Peninsula). RICTA 2015: 3rd Iberian Meeting on Aerosol Science and Technology. Elche (Alicante), 29 June-1 July 2015. Proceedings of RICTA 2015. Pag: 30
- Majeed, H.T.; Alarcón, M.; Periago, M.C.; Izquierdo, R.; Belmonte, J. (2015): Airborne pollen (API, Start, End and Length) and its relationship with meteorological parameters in Catalonia (NE Iberian Peninsula). RICTA 2015: 3rd Iberian Meeting on Aerosol Science and Technology. Elche (Alicante), 29 June-1 July 2015. Proceedings of RICTA 2015. Pag: 55.
- Majeed, H.T.; Alarcón, M.; Belmonte, J.; Periago, M.C.; Izquierdo, R. (2015). Impact of atmospheric circulation patterns on the airborne pollen dynamics in Catalonia (NE Iberian Peninsula). 5th International Conference on Meteorology and Climatology of the Mediterranean. Istanbul (Turkey), 2-4 March 2015. Editorial: ACAM. Año: 2015. Pag: 15.
- Majeed, H.T.; Alarcón, M.; Belmonte, J.; Periago, M.C. (2014): Sensitivity of the airborne pollen to the climate variability in the North East of the Iberian Peninsula. RICTA 2014. 2nd Iberian Meeting on Aerosol Science and Technology. Tarragona (Spain), 7-9 July 2014. Editorial: Publicacions de l'ETSE de la URV (2014). Pag: 155. ISBN: 978-84-695-9978-5.
- Alarcón, M.; Belmonte, J.; Majeed, H.T.; Periago, M.C.; Izquierdo, R. (2014). Relationship between climate variability indices and airborne pollination in Catalonia (NE Iberian Peninsula). Meeting of the European Aeroallergen Network and the European Aerobiology Society. EAN-EAS 2014. Viena (Austria), 10-11 November 2014.

TRAINING

- Exemplary Performance, Master Trainer, EMIS Project-Iraq, Primus Company for Software and Web Solutions, May-June, 2006, Amman, Jordan.
- Remote Sensing Seminar, 3-13 June, 2007, Benevento, Italy.

PARTICIPATION IN R&D AND INNOVATION PROJECTS

- Name: New TEChnologies for the study of the diversity and dynamics of aéroBIOlogical components and for their forecast based on METeorology (TECBIOMET) Code: CTM2017-89565-C2-2-P
- Funding entity: Agencia Estatal de Investigación (Ministerio de Economía, Industria y Competitividad) Programa proyectos I+D. Convocatoria 2017
Start-End date: 1/01/2018 - 31/12/2020
Principal investigator: Marta Alarcón Jordán (Universitat Politècnica de Catalunya)
- Name: Atmospheric bio-aerosols: levels, transport and impacts (BATMAN)
Code: CGL2012-39523-C02-02
Funding entity: Ministerio de Economía y Competitividad. Programa proyectos I+D. Convocatoria 2012
Start-End date: 1/01/2013 - 30/05/2016
Principal investigator: Marta Alarcón Jordán (Universitat Politècnica de Catalunya)