

Assistant Professor, Dean of College of Energy and Environmental  
Sciences, Al-Kharkh University of Sciences  
Baghdad, Iraq  
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## Dr. Amani Ibraheem Altmimi

Country of Citizenship: **Iraq**  
Date of Birth: **1975**  
Marital Status: **Married** (Three children )



## EDUCATION:

2002-2006	Ph.D.	Department of Atmospheric Sciences, College of Science, Mustansiriyah University, Dissertation: Wind power assessment in Iraq(with Very good degree), Iraq
1998-2000	M.Sc.	Department of Meteorology Sciences, College of Science, Mustansiriyah University: A one dimensional cloud Model (with Excellent degree) ,Iraq
1992-1996	B.Sc.	Dept. of Physics, College of Science, Mustansiriyah University, Iraq

## PROFESSIONAL EXPERIENCE

10/2012-Date	Assistant Professor, Department of Atmospheric Sciences , College of Science, Mustansiriyah University.
10/2007-2012	Lecturer, Department of Atmospheric Sciences , College of Science, Mustansiriyah University

10/2000- 2007

*Assistant Lecturer, Department of Meteorology , College of Science, Mustansiriyah University*

## Teaching and Supervising Experience

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- More than 23 years experience in teaching undergraduate and postgraduate courses in Meteorology and Renewable energy and Environment - Supervised M.Sc & PhD students.

## Research Activity:

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- WAsP programme
- Design of Wind farm
  - Design of cloud physics modeling.
  - Water and Wastewater Treatment Technology.
  - Solar Disinfection.
  - Wind Blade Design and Performance.
  - Sustainable City Design.
  - Energy Plus Shelter Design.
  - PV Thermal Hybrid System.
- Feasibility and Economic cost for Renewable energy Project
- Meteorology Elements Distribution
- Green Building

## Consults and Membership :

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- Member of the Committee of Deans of Faculties of Science in Iraq

- Member of a ministerial committee to standardize the curricula of renewable energy departments
- Member of the Renewable Energy Experts Committee
- Member of the Commission consolidate scientific research.
- Member of Society for future studies and planning specialized research alternative and renewable energy.
- Member of Committee wind atlas of the Iraqi.
- Member of Association of nature of Iraq.
- Member of International Centre for Sustainable Development of Energy, Water and Environment Systems (SDEWES Centre),Croatia.
- - Member of Humanitarian Local (NGO),(Support Without Limit for Humanitarian Service) .
- Member of ACM , Computer Engineering & Embedded Systems (CEES)- Iraq.

## TEACHING EXPERIENCE :

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Accredited Teacher:

- ☐ Accredited Teacher: from the higher education accreditation

commission in Iraq , in the field of meteorology Taught

Courses:

### **Graduate-Level Courses**

- ☐ Research Methodology
- ☐ Seminar
- ☐ Energy Efficiency
- ☐ Advanced Energy Conversion
- ☐ Advanced Boundary layer
- ☐ Advanced Renewable energy
- ☐ Climate Change

### **Undergraduate-Level Courses**

- ☐ Heat Transfer
- ☐ Thermodynamic
- ☐ Thermal Power Plant.
- ☐ Energy Conversion
- ☐ Wind Energy Technology
- ☐ Numerical Analysis
- ☐ Cloud Physics
- ☐ Meteorology Dynamics

## **GRADUATE STUDENT ADVISING :**

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### **Supervisor and CO-Supervisor:**

☐ Safa Jasim, Mustanseriya University, Application of Siemens Index of green cities for selected areas in Iraq, ongoing

☐ Mustafa Ahmed , Mustanseriya University, Effect of meteorology elements on the production hydroelectric stations in Iraq, ongoing

☐ Taghreed Ali , Mustanseriya University, Estimation of wind spectrum properties using field measurement over south of Iraq ,2019.

☐ Hussam Saad , Mustanseriya University, Simulating the performance of solar panels in Iraq, 2018.

☐ Bashaer Mohammed Design and implementation of Wind Energy Analysis Tool (WEATb) in Iraq University of Baghdad, 2018.

☐ Safa Jasim,(2016):Estimation wind power density by using field data using WAsP, Mustanseriya University, 2016.

- Abass Ceekhan, Calculate and Compare Five of Weibull Distribution Parameters to Estimate Wind Power in Iraq Mustanseriya University,, 2015.

## Papers Publications :

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1. Amani I. Altmimi, J.S.AL-Rekabie(2008):Calculating the wind power for Razaza and Thirthar lakes by probability density function for Weibull distribution, Al-Mustansiriyah J. of Science, Vol. 19, No. 8, 61 –68.
2. Amani I. Altmimi,(2010):Dailey rainfall persistence of selected stations in Iraq, Al-Mustansiriyah J. of Science, Vol. 21, No. 5, 480 –484.
3. Amani I. Altmimi, Hassan H. Salman and Bidoor Y. Humood (2009):Roughness length and class of Iraq stations, AlMustansiriyah J. of Science, Vol. 20, No. 5.
4. Amani I. Altmimi, J.S.AL-Rekabie and E.A.Ali(2010):Predict the short-term seasonal cycles of atmospheric pressure using a moving average for Baghdad city, Al-Mustansiriyah J. of Coll. Education, No. 3, 73 –79
5. Amani I. Altmimi, A.KH. AL-(2010):A field study of the impact of dust on the efficiency of solar panel and find the best inclination angle for solar panel which using for lighting in the streets of Baghdad city, Al-Mustansiriyah J. of Science, Vol. 21, No. 7,103-121.
6. M.A.Salh, N.K.Khasem and Amani I. Altmimi(2011):  
Available capacity in Iraq to use air conditioners by using solar power, Proceeding in 1st scientific conference of Ministry of construction and housing , Iraq.
7. Amani I. Altmimi (2012):The Mann-Kendall test for temperature trends in some selected stations in Iraq, Baghdad University, J. of Ibn AlHaitham, Vol. 25, No. 3, 116 –122.

- 8.** Amani I. Altmimi (2012):Graphical and Energy Pattern Factor methods for determination of Weibull parameters for Ali Algharbie station ,south east of Iraq, ETJ, Vol. 31, No. 1,98106.
- 9.** A.K.Abdul-Kareem ,Amani I. Altmimi and Kais Al-Jumaily (2012): Estimated the Seasonal Change of Temperature in Iraq by Using GIS ,Baghdad University, IJS, Vol. 54, No. 4,975982.
- 10.**Amani I. Altmimi, Hassan H. Salman and Bidoor Y. Humood (2013):Assessment the wind power by using Weibull distribution in some selection stations in Iraq, , Proceeding in International conference of(IREDeW2013),Zarqa, Jordan.
- 11.**O.T.AI-Taai, Amani I. Altmimi ,Q.M.Wadi(2014):Assessment of a viability of wind power in Iraq, American Journal of Electrical Power and Energy Systems(EPES), Vol. 3 No 3, 60-70.
- 12.** Firas A. Hadi, Amani I. Altmimi: Wind Statistical Analysis and the Number of Generation Hours for Different Wind Turbines at Three Lakes in Iraq, Journal of Energy Technologies and Policy,Vol.5, No.10, 2015
- 13.** Amani I. Altmimi ,Kamsl H.Lateef and Safa Jasim,(2016):Calculating wind farmction in Al-shihabi (south of Iraq) using WAsP ,Int. Journal of Engineering Research and Application,Vol.6,pp104-109
- 14.** Amani I. Altmimi, Abass Ceekhan: Calculate and Compare Five Methods of Weibull Distribution Parameters to Estimate Wind Power in Iraq, (IREC 2017)
- 15.**Kamsl H.Lateef ,Ali K. Risen and Amani I. Altmimi (2018)Evaluation Efficiency of Wind Turbines for Barjisiah (South of Iraq) Wind Plant, Iraqi Journal of Science, Vol. 59 No 3A (2018)
- 16.**Bashaer M.Lateef, Oday I. Abdallah ,Amani I. Altmimi (2018) Investigation and Analysis the Optimum Location of Wind Turbine in South of Iraq Using Matlab GUI, Medwell Journals,(Conference)

- 17.** Hussam Saad, Amani Ibraheem Altmimi (2019) Simulating the Performance of Solar Panels in Iraq, Journal of Applied and Advanced Research, Vol.: 4No.(1),pp 6–10(2019)
- 18.** Taghreed Ali Abbas, Monim Hakim Khalaf and Amani I. Altmimi ,(2019) Spectral and statistical analysis of wind spectrum for Ali AlGharbi area in Iraq , The Iraqi Journal of Science V60,NO.7.
- 19.** Taghreed Ali Abbas, Amani I. Altmimi, Kamal H.Lateef and Monim Hakim Khalaf(2019) Weibull distribution modified using Fast Fourier Transform,(Conference)
- 20.** Amani I. Altmimi (2018)Renewable Energy and Kids(Solar Energy)
- 21.** Amani I. Altmimi (2021)Renewable Energy and Kids (Wind Energy)
- 22.** AL-SUDANI, A ALTMIMI, ASI AL-KHAYAT (2020)Air pollution increase susceptibility of Baghdad (Iraq) population to COVID-19: Al-Zafarania distract case study , International Journal of Pharmaceutical Research, 1775-1782
- 23.** Marha L. Kammona, Ibrahim M. Al-Sudani, Amani I. Altmimi, Riyadh S. Al-Rudaini(2021) ,Role of Meteorological Variables in COVID-19 in Iraq, Annals of the Romanian Society for Cell Biology, Volume 25: Issue 4
- 24.** Amani I. Al-TMIMI, Iqbal Khalaf Al-ATABY,(2021)Estimate the probability density function of maximum temperature for the Middle East, Engineering and Environmental Sciences, Volume 4,517-531.
- 25.** Safa Jasm,Amani Altmimi and Ammar Alkhalidi (2021)Application of SIEMENS index of green cities for selected areas in Iraq, Journal of earth and space physics (Accepted)
- 24.** Amani I. ALTMIMI AND Safaa Jasim: Estimate the Capacity Factor of Wind Turbine by Using the Least Squares and Bayesian Estimation in Water Bodies (Marshes). (Accepted)
- 26.** Amani I. ALTMIMI AND Safaa Jasim :Estimating Weibull parameters by using Mabchour’s Method (MMab) for wind power at RAWA city, Iraq” (Accepted)

27. Amani I. Altmimi, Mustafa Alaskari, Oday I. Abdullah, Ahmed Alhamadani<sup>2</sup> and Jenan S. Sherza, Design and Optimization of Vertical Axis Wind Turbines Using QBlade (Accepted)
28. Kids and Renewable Energy (solar energy) 2019
29. Kids and Renewable Energy (wind energy) 2020

### AMANI ALTMIMI PROFILE AT:

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Research gate: [https://www.researchgate.net/profile/Amani\\_Altmimi](https://www.researchgate.net/profile/Amani_Altmimi)

Google Scholar:

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

### REVIEWER:

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- Mustansiriyah Journal of Science, MJS.
- Diyala Journal for Pure Sciences, DJPS..
- International Journal of Thermal Sciences, Elsevier.
- Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES (2017, 2018, 2019, 2020, 2021)
- Conference on International Renewable Energy Congress (IREC 2018, 2019, 2020, 2021) Energy and Environment, SAGE
- Journals.
- International Journal of Renewable Energy Research. مجلة الطاقة الشمسية والتنمية المستدامة JSESD



## REFERENCES:

- Prof. Dr. Monim Aljiboori, Atmospheric Department, Chair, mkaljiboori@yahoo.com
- Prof. Dr. Kais Al-jumaily, Atmospheric Department , meteor10@ymail.com
- Prof. Dr. Abduladhem A. Ali, Computer Engineering and Embedded Systems ,Chair, abduladhem@acm.org
- Asst. Prof. Yaseen Altimimi, Atmospheric Department, yaseen\_altimimi@yahoo.com