**CV**

**Dr. QassemYahyaNaimTarawneh**

Date of Birth : 27/9/1961

Place of Birth : Amman

Nationality : Jordanian

E-mail [qassemtarawneh@yahoo.com](mailto:qassemtarawneh@yahoo.com)

Mob. No. 00962796419480

**Academic Qualification:**

* Ph.D degree in Meteorological Engineering.
* College: Institute of Science and Technology
* University Istanbul Technical University / Turkey
* Date degree awarded: 2002.
* Grade :3.52 Excelent
* M. Sc degree in Meteorological Engineering
* College: Institute of Science and Technology
* University: Istanbul Technical University / Turkey
* Date degree awarded: 1988.
* Grade : 80.2 very good
* B. Sc. in Meteorology
* Faculty : Meteorology and Environment and Arid Land Agriculture

## University : King Abdulaziz University / Saudi Arabia

* Date degree awarded: 1985
* Grade : 3.35 (VERY GOOD)
* Other Certificates
* Weather Analysis and Forecasting
* Place: Jordan Meteorological Dept. / Amman
* Date : 10 /4 / 1991 –15 /1 / 1992
* Theoretical and Practical Aspects of Regional Precipitation Enhancement for the Middle East and Mediterranean.
* Place: Italy – Bari
* Date : 11-15 November 1996
* Statistical package for social science (SPSS)
* Place: University of Jordan /Amman
* Date : 20 /2 /1999 –10 /3 / 1999

Computer and Management

Place : Institute of Management / Amman

Date : 19/ 9 / 1998 – 30 / 9 /1998.

Employment History

* At present

1. Jerash university 2018 – till now , associated prof, of climate change and sustainable agriculture and Prof. of climate change and adaptation.
2. Jordan Aviation Academy. Prof, of Aviation meteorology, 2018-till now

* King Saud University, associated Prof. Prince Sultan Institute for Environmental water and desert Research. Sep. 2011 – 2018, The following activities were attached to me:

- Member Chair of Prince Sultan International Water Prize.

- Member of early warning flooding system for Riyadh City, Preparation of the project proposal (To be accepted by Saudi Gov.)

- Member in King Fahad Water Harvesting Project.

-Principal Investigator of climate change project.

-Member of Institute Board

- Responsible of issuing and supervise the Environmental and hydrological Researches.

* Ayla Aviation Academy: Aqaba/ Jordan, Nov. 2008 -Aug. 2011.
* Head of the scientific research at Jordan Meteorological Dept. Feb. 2008 – Nov. 2008.
* Middle East Aviation Academy: Instructor of Aviation Meteorology at 2004-2008.
* Head of the Scientific Research and Training at Jordan Meteorological Dept. 2003-2004.
* Working for Ph.d 1999 -2002.
* Department of Meteorology: The following functions were attached to me:

- Weather forecaster,

- Head of Training Center of Forecaster and Observer.

- Part time instructor at Al- Balqa University/Queen Noor Civil Aviation College (3 years).

- Weather forecaster at King Abdulaziz Air Base.

- Instructor of Dynamical Meteorology and Meteorology at the Training Center of

Meteorological Department Under the supervision of World Meteorology Organization.

- Cloud seeder at Met. Dept.

- Member of Arab League of Atmospheric Research Committee.

- Member of Emergency Committee of Jordan.

**Research and Publication**

* Monitoring of Climate Change in Jordan and its Impact on Agriculture. (2022), Qassem Y. Tarawneh,

The Arab World Geographer / Le Géographe du monde arabe Vol 25, no 4 (2022)

* The applicability of the tourism climate index in a hot arid environment: Saudi Arabia as a case study, June 2022, [International journal of Environmental Science and Technology](https://www.researchgate.net/journal/International-journal-of-Environmental-Science-and-Technology-1735-1472) .DOI: [10.1007/s13762-022-04228-2](http://dx.doi.org/10.1007/s13762-022-04228-2)
* [The effect of anthropogenic activity on the extreme climate events and solar irradiation in Saudi Arabia](https://www.researchgate.net/publication/342801986_The_effect_of_anthropogenic_activity_on_the_extreme_climate_events_and_solar_irradiation_in_Saudi_Arabia?_sg=GTg7F04xKG4mngpT2OOqMrMMXM2BKTtfomCominHNr4voo6WrAhIFB_c7rqFC2Ij9a69zFniWJG60TQu1QzgTzezfLw), July 2020, [Arabian Journal of Geosciences](https://www.researchgate.net/journal/Arabian-Journal-of-Geosciences-1866-7538) 13(14)
* [Trends of Climate Change in Saudi Arabia: Implications on Water Resources](https://www.researchgate.net/publication/322791043_Trends_of_Climate_Change_in_Saudi_Arabia_Implications_on_Water_Resources?_sg=kZhY1PwKg0mv95pIiC3mrJvQ64WewMkV0F6N2rjsGgCNc42Eg41zmIXsaUk2YsjeWdB9E9J8NKaFnPd2Q31y6jQjxmA). January 2018

[Climate](https://www.researchgate.net/journal/Climate-2225-1154) 6(1)

* [Seasonal variation of solar irradiance and sunshine duration in Saudi Arabia](https://scholar.google.com/citations?view_op=view_citation&hl=fr&user=HoqG3HUAAAAJ&citation_for_view=HoqG3HUAAAAJ:Tyk-4Ss8FVUC)

QY Tarawneh, M El Alfy, International Journal of Environmental Science and Technology 14 (6), 1267-1276

* A Climatic and Energetic Interpretation of Saudi Arabia’s Clearness Index. In press 2016, Journal of Global Warming.
* Book Translation “Modern Climate Change Science: An Overview of Today’s Climate Change Science By: G. Thomas Farmer” the translation project is funded by King Saud University.
* Book in Arabic

Stable and Unstable Weather Cases, 2014.Published by King Saud University Press.

**حالات الإستقرار وعدم الإستقرار**

* Harmonic Analysis of Precipitation Climatology in Saudi Arabia. 2015. Theoretical and Applied climatology.2015, DOI 10.1007/s00704-015-1408-z [ ISI Journal ]
* Spatial Variation of Saudi Arabia’s Annual Rainfall Using a Regional Prediction Model, (2015)

Arab.J Geosci. Vol. 8 No 6. pp. 4147 – 4160. DOI 10.1007/s12517-014-1468-x.[ISI]

* An Analysis of Dry Spell Patterns Intensity and Duration in Saudi Arabia (2013), 13 (3), Middle East Journal of Scientific Res. [ISI]
* Spatial climate variation pattern and regional prediction of rainfall in Jordan, 2012, Water and Environment Journal , Volume 26, Issue 2, June 2012, Pages: 252–260 [ISI]
* Book in Arabic

Meteorology and Rapid response

**كتاب :- الارصاد الجوية والاستجابة السريعة،اثرفهم التنبؤ الجوي في تحقيق الاستجابة السريعة لدى فرق الطوارئ) 2009 دار فضاءات للنشر عمان-تلفاكس 009624650885**

* An analysis of Precipitation Climatology in Jordan. (*2003) Theoretical and Applied Climatology. 74, No. 1-2 123-136. [ISI]*
* Regional Wind Energy Assessment with Application, (2003), *Energy Conversion& Management 44, 1563 – 1574*. [ISI]
* A geo-statistical Model of Jordan precipitation, (2003). *ITU Dergesi Journal of Istanbul Technical University, in Turkish language Vol.2, No. 1, 80 – 90.*
* The Concept of Solar Irradiance Polygon with Application for Jordan, (2008). *Energy source’s part A V. 30, No. (10) 932-941*. [ISI]
* Spatial prediction model and its application to chemistry of atmosphericprecipitationin Jordan, (2007). A*tmospheric Research*, Volume 84, Issue 4, p.399-409. [ISI]

**Conferences**

* International Conference of Climate Change and its effect on Water Resources and Environment. 25-26/ October, 2022. Mutah University, Karak, Jordan.
* 6th International Conference on Water Resources and Arid Environments 16-17 Dec. 2014.
* Saudi Conference for Environmental Technology 13-15 May, 2012.
* 5th International Conference on Water Resources and Arid Environments 7-9 Jan. 2013.
* Conference of Seasonal Forecasting in Cairo
* Conference of Training of Meteorologists/ Damascus.
* Rain Enhancement, Italy
* 5th International conference of Mining and Environment. Amman/Jordan.

**Projects**

* King Fahad Rainfall Harvesting Project
* Environmental Atlas of the Kingdom of Saudi Arabia

**University Courses which I Taught**

* Supervision of Many Master thesis
* Climate Change and adaptation
* Climate change and sustainable agriculture
* Economic and adaptation with climate change
* Scientific Research methodology
* Aviation weather at Ayla Aviation Academy
* Meteorology at Mid-East Aviation Academy
* Earth Science, at Balqa University, Queen Noor College.
* Aviation Weather (JAA & FAA)
* Dynamical Meteorology, at Balqa University, Queen Noor College.
* Agricultural Meteorology, at Balqa University, Queen Noor College.
* Weather Analysis at Training center.

**Association**

Jordan Engineering Association.