***Curriculum Vitae***

***Dr    Zeyad Hassan Abu Heen***

***د/ زياد حسن أبو هين***

**Ph.D (Assistant Professor of Environmental Geophysics)**

**Islamic University of Gaza, Palestine, Department of Environment & Earth sciences**

***Personal Information:***

 Date of Birth:            21 May 1963

Place of Birth: Gaza City

Nationality: Palestinian

Marital Status:       Married

No of Children:        Six

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***Academic Qualifications***

* Ph.D in Environmental Geophysics from the Department of Geosciences at the University of Aveiro, Portugal (2002), with Dissertation Title “Geophysical study of Fervinca Region, Cantenhede- Centre of Portugal)
* M.Sc in Applied Geophysics from the Department of Geology and Mineralogy at the University of Jordan (1988).

Research Dissertation Title:

“Gravity Studies along the Eastern Jordan - Dead Sea Transform”

* BSc Degree in Geophysics from the University of the United Arab Emirates, Abu Dhabi (1985).

***Professional Experience:***

***2015-Present:***

***Vice Dean, Faculty of Science- Islamic University of Gaza, Palestine***

***2013-2015:***

Head Department of Environment & Earth sciences. Islamic University of Gaza, Palestine.

***2012-2013:***

Director of Environmental & Rural Research Centre (ERRC) – Islamic University of Gaza, Gaza, Palestine.

***2009 - 2011:***

*Vice Dean, Faculty of Science****-*** *Islamic University of Gaza`*

***2005 – 2009:***

Head, Department of Environment & Earth sciences - Islamic University of Gaza, Gaza, Palestine.

***2002 – 2005:***

Director of Environmental & Rural Research Centre (ERRC) – Islamic University of Gaza, Gaza, Palestine.

***2002 – 2005:***

Assistant Head Department of Environment & Earth sciences - Islamic University of Gaza

***1997–1998:***

Assistant Head of the Department of Environment and Earth Sciences at the Islamic University of Gaza.

***1989-1994 :***

Teacher of Geology at Silaa Secondary School, Abu Dhabi, United Arab Emirates.

***1987–1988:***

Research Assistant at the Department of Geology & Mineralogy, University of Jordan, Amman.

***1985-1988:***

Teaching Assistant at the Department of Geology and Mineralogy, University of Jordan, Amman.

***Extra-Curricular Scientific Activities and Consultancies:***

***2015-2016:***

*Consultant for the project title: Gaza Solid Waste Management Project forAl Fukhary landfill (Rafah). Client:Joint venture of Antea France, Egicom and EMCC. I planned and executed Geophysical 1D and 2D survey in the proposed landfill area.*

***2012-2013:***

Consultant for the project title: *Feasibility Study and Detailed Design for Solid Waste Management in Gaza Strip, Environmental and Social Impact Assessment for Solid Waste Management in Gaza Strip ((ESIA)*.I measured and prepared a report for air quality, noise pollution, CO2 emission, hydrogeology, geophysics, rainfall and meteorology Study of project areas*.*

***2003-2005:***

Technical manager for the project titled: improvement the quality of the drinking water in government elementary schools in Gaza City, and raise the environmental and health awareness. Funded by USAID through RAFEED.

***1997-1998:***

Consultant in the Palestinian Staff Delegation of a special scientific research project contributing to the Middle-East Peace Process, where the countries of Palestine, Israel, Jordan and Germany are working together on geophysical studies of the Dead Sea Transform region.

***Organization Membership*** :

1. Chairperson of organizing committee of 6th International Conference for Science and Development that will be held at Islamic University of Gaza, Palestine (2016).
2. Chairperson of organizing committee of 4th International Conference for Science and Development. Islamic University of Gaza, Palestine (2011).
3. Chairperson of organizing committee of 3th International Conference for Science and Development. Islamic University of Gaza, Palestine (2009).
4. Chairperson of organizing committee of 2th International Conference for Science and Development Islamic University of Gaza, Palestine (2007).
5. Member of organizing committee of First International Conference for Science and Development. Islamic University of Gaza, Palestine (2005).
6. Member of organizing committee of 5th International Conference for Science and Development. Islamic University of Gaza, Palestine (2014).
7. Member of Gaza City Municipal council (2008-2011).
8. Member in Science Collage council (IUG, 2002-2016).
9. President of Inmaa Society for relief & Development, Gaza (2002-2014).
10. Vice President of Wafa Charitable Hospital and society (2600-2008).
11. Member in Al Hayat Society for Palestinian Family, Gaza (2008-2016).
12. Member in Palestinian Standards Committee (Water & Environment)

***Publications:***

* Shehda Muhsein, supervised by Zeyad Abu Heen (2016): Hydo-geophysical investigation for delineation of Sea water Intrusion into the fresh groundwater aquifer in Southern Governorates of Gaza Strip, Palestine. Msc Thesis, Islamic University of Gaza, Palestine
* Fadi F. Esleem, supervised by Zeyad Abu Heen (2016): Evaluation the Effect of Environmental and Social factors on Adult Patients with Chronic Renal Failure in Gaza Governorates: Retrospective Study. Msc Thesis, Islamic University of Gaza, Palestine
* W. A. Al Madhoun, R. M. Mokat, Z. H. Abu Hein, M. Isahak (2016): Assessment of Carbon Dioxide Emission from Traffic and Its Health Impact in Gaza, Palestine. Public Health Research. 6(1):18-23. DOI: 10.5923/j.phr.20160601.02
* W. A. Al Madhoun, M. M. Matar, Z. H. Abu Heen, M.Rashid (2015): Assessment of Power Plant Emission and Its Health Impacts in Gaza. Presented in 2nd International Conference on Purity, Utility Reaction and Environmental Research, 9-11 November, Kuala Lumpur, Malaysia. (Awarded as the best paper presented in the conference).
* Yasser EL-Nahhal; Salah M.F. Kerkez & Zeyad Abu Heen (2015): Toxicity of Diuron, Diquat and Terbutryn to Cyanobacterial Mats. *Ecotoxicol. Environ. Contam., v. 10, n. 1, 2015, 71-82*
* ***Zeyad H. Abu Heen Osama K. Haneya (2015):*** *Evaluation of Microbiological Quality of Desalinated Water at Gaza City Schools, Palestine. Journal of Environment and Earth Science, Vol.5, No.18, 2015, pp: 102-108*
* ***Zeyad H. Abu Heen Mazen S. Albattnigi (2015):*** *Physico-chemical and Mcriobiological Assessment of Desalination Plants in Gaza City, Palestine* ***Mazen S. Albattnigi; supervised by Zeyad Abu Heen (2015):*** *Impacts of Desalination Plants on surrounding Environment and Public Health in Gaza City, Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Mohammad M. Aklok; supervised by Zeyad Abu Heen (2015):*** *Subsurface Geological-Geotechnical Modeling of Gaza Strip. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Alaa Z. Al Zaza; supervised by Zeyad Abu Heen (2015):*** *Assessing Noise Pollution at West Directorate Schools and Its Impact on Students Blood Pressure and Achievement. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Rami M. Mokat; supervised by Zeyad Abu Heen (2014)*:** *Assessment of the Traffic Emissions and their Health Impacts in Gaza City. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Fayez A. El Serhey; supervised by Zeyad Abu Heen (2014****): Evaluation of School Canteens in Gaza Governorate schools – Palestine in the light of standards Guidelines of Environmental Heath for schools. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Mohammed Y. Astal; supervised by Zeyad Abu Heen (2014):*** *Impact of Random Houing and Environment Conditions on Children Health in Khanyounis Refugees; Camp, Gaza Strip, Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Khalil M. El- khateeb; supervised by Zeyad Abu Heen (2014):*** *Effects of Indoor Environmental Quality on the Occupants of Islamic University – Gaza, Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Mosab M. Matar; supervised by Zeyad Abu Heen (2014):*** *Monitoring of Air Pollutants Emitted from Gaza Electricity Generation Plant. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Salah M. F. Kerkez; supervised by Zeyad Abu Heen (2012):*** *Potential Toxicity of the Herbicides; Diuron, Diquat, Terbutryn and their Mixtures to Cyanobacterial Mats, Wadi Gaza, Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Zeyad H. Abu Heen Mazen S. Albattnigi (2015):*** *Impacts of Desalination Plants on surrounding Environment and Public Health in Gaza City, Palestine. Journal of Environment and Earth Science, Vol.5, No.17, 2015, pp: 51-59.*
* ***Osama K. Haneya; supervised by Zeyad Abu Heen (2012):*** *Evaluation of Microbiological Quality of Desalinated Water at Gaza City Schools, Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Zeyad Abu Heen and ImanY Abed (2011):*** *Assessment of**desalinated water in Gaza Strip. The Fourth International Conference in Science & Development, Islamic University of Gaza, Palestine, 22-23 Nov, 2011.*
* ***Zeyad Abu Heen and Mazen F El Banna (2011):Sanitary and social effect of Dear El Balah landfill.*** *The Fourth International Conference in Science & Development, Islamic University of Gaza, Palestine, 22-23 Nov, 2011.*
* ***Mazen Fadel El-Bana; supervised by Zeyad Abu Heen(2011)****: Sanitary and Social Effect Of Deir El-Balah Landfill (Gaza Strip – Palestine). Msc thesis, Islamic University of Gaza, Palestine.*
* ***Medhat Farouk Abu El-Naeem , Zeyad Abu Heen and Khalil Tubail ( 2009):*** *Factors behind Groundwater pollution by Nitrate in North Governorates of Gaza Strip (1999-2004) . Thirteen International Conference for Water technology (IWTC 2008), held in Alexandria, Egypt (27-30) March, 2008.(achieving the Third grade Status of Prince Soltan Bin Abdul Aziz Awards.*
* ***Medhat Farouk Abu El-Naeem , Zeyad Abu Heen and Khalil Tubail (2008):*** *Groundwater Problems Resulting from Heavy Pumping  in North Governorates of Gaza Strip (1999-2004) . Twelfth International Conference for Water technology (IWTC 2008), held in Alexandria, Egypt (27-30) March, 2008.(achieving the Fist Status of Prince Soltan Bin Abdul Aziz Awards.*
* ***Zeyad H. Abu Heen (2007):*** *Resolution of 2D Tripotential Wenner Resistivity Imaging over Numerical dyke model. Second International Conference of Science and Development, Islamic University of Gaza, Palestine, (6-6) March, 2007.*
* ***Medhat Farouk Abu El-Naeem , Zeyad Abu Heen and Khalil Tubail  ( 2007):*** *Evaluation of Groundwater Pollution in North Governorates of Gaza Strip (1994-2004). Second International Conference of Science and Development, Islamic University of Gaza, Palestine, (6-6) March, 2007.*
* ***Medhat Farouk Abu El-Naeem , Zeyad Abu Heen and Khalil Tubail ( 2007):*** *Groundwater Problems Resulting from Heavy Pumping  in North Governorates of Gaza Strip (1999-2004). Submitted to International Conference: Sustainable Development and Management of Water in Palestine, August  2007, Amman, Jordan*
* ***Mazen Al Banna  and  Zeyad Abu Heen (2007):*** *Optimal Management of Groundwater Resources: Rafah, Gaza Strip. Submitted to International Conference: Sustainable Development and Management of Water in Palestine, August  2007, Amman, Jordan*
* ***Abu Heen, Z. H. , Lubbad, S. H.(2005)*** *Assessment of Groundwater Quality in Gaza City (South of Palestine) During the Period (1994-2004) . Ninth International Water Technology Conference, IWTC9 2005, Sharm EL Sheikh, Egypt. pp:431-443.*
* ***Abu Heen, Z. H. (2005)*** *Improve the Quality of Potable Water Used by the Elementary Schools in Gaza Strip (Palestine) Using Reverse Osmosis Filters. Presented in: The First International Conference in Science & Development, Islamic University of Gaza, Palestine, 1-2 March,2005.*
* ***Abu Heen, Z. H., Sennos Matias, M.(2005)*** *and Senos Matias, M.  Integrated Geophysical Investigation of Fervenca Region (Cantebhede, Center of Portugal), Presented in: The First International Conference in Science & Development, Islamic University of Gaza, Palestine, 1-2 March,2005.*
* ***Abu Heen, Z. H. (2005****) Subsurface Geology of Gaza Strip (South of Palestine) Deduced from the Interpretation of Surface Geophysical Data. Presented in: The First International Conference in Science & Development, Islamic University of Gaza, Palestine, 1-2 March, 2005.*
* ***Samir M, Hararah; supervised by Zeyad Abu Heen (2005)*:** *Investigation of Radon Pollution in Groundwater in the Southern Part Of Gaza Strip – Palestine. Msc thesis, Islamic University of Gaza, Palestine.*
* ***Abu Heen, Z.,H (1998)*** *Gravity Studies and Crustal Structures Along The Eastern Jordan-Rift Valley. In. “Geology In The Arab World”, Fourth International Conference: University of Cairo, Feb 21 – 25.*
* ***Abu Heen, Z. H, El Nakhal, H. (1997)*** *Groundwater Quality of Gaza Strip during the Last Three Decades. The Third Conference on Geochemistry: Al Exanderia University, Egypt, Vol III. pp 69-80.*
* ***Abu Heen, Z. H.,(1997)*** *Water Quality of The Gaza Strip. Paper presented in The First Conference of     “Environment & Society “,held in College of Education - Gaza Strip ,March 1997.*

**Funded Projects**

**(single or with research group)**

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|  | **Funded by** | **Year** | **Project Title** |
| 1 | Funded by USAID through RAFEED. | 2003-2005 | Improvement the quality of the drinking water in government elementary schools in Gaza City, and raise the environmental and health awareness. |
| 2 | UNESCO/Flanders FIT project | 2007 | Optimal Management of Groundwater Resources:  Rafah, Gaza Strip |
| 3 | Al Maqdisi Program, France | 2011 | Study of the Dynamic of Earth’s Magnetosphere: Toward full future cooperation with European Institutions in field of Space Weather, Space Science and Astronomy |
| 4 | شبكة المنظمات الاهليه (PINGO)  UNDP | 2011 | Evaluation of desalinated water quality by desalinated plants and house filters in Gaza City |
| 5 | Scientific council, Islamic University of Gaza | 2012/2011 | Delineation of Sea water Intrusion in Gaza City Aquifer by using Geophysical Methods. |
| 6 | Scientific council, Islamic University of Gaza | 2011/2012 | Monitoring and Modeling of Air Pollution Emitted from Several Sources in Gaza Strip. |
| 7 | Palestinian Ministry of Education &Higher Education. | 2014 | Delineation of Sea water Intrusion in Gaza Strip Aquifer and its Environmental Effects by using Geophysical Methods. |
| 8 | Qatar Charity | 2016 | Potential of Geothermal energy as a renewable source of energy in Gaza Strip-Pilot Project |

May, 2016