

**Dr. ZIYAD M. ABUNADA PhD, Eng.** [zeyad242@gmail.com](mailto:zeyad242@gmail.com).

Mobi: +447879569652, Silver St., Queens College, CB3 9ET, Cambridge-UK

Ziyad has more than ten years of academic and professional experience in the field of civil and environmental engineering. He worked in industry for more than 8 years. Following his work as a lecturer at Palestine Polytechnic, Ziyad started his PhD study at the University of Cambridge where he worked as a teaching assistant at the civil engineering department. Ziyad has gained excellent supervisory and leadership skills. He steered the Islamic Development Bank Scholars Association in the UK (2013-2014). Mr Abunada has organised, chaired and participated in many international symposiums, workshops and conferences in Japan, Spain, USA, UK, UAE, and Bahrain.

---

## **Education**

<b>Doctorate of Philosophy in Civil Engineering (Contaminated Land)</b> University of Cambridge-UK; Innovative soil mix constructed permeable reactive barrier for groundwater remediation ( <a href="http://www-g.eng.cam.ac.uk/smirt">http://www-g.eng.cam.ac.uk/smirt</a> )	<b>June 2015</b>
<b>Master of Science (MSc) in Water Resources Engineering (Wastewater Reuse)</b>	<b>Aug.2009</b>
<b>Bachelor of Science in Civil Engineering</b> (Islamic University of Gaza)	<b>June 2000</b>

---

## **Professional Experience**

<b>Assistant Professor,</b> Antalya International University	Aug.2015-present
<b>Graduate Teaching and Research Assistant</b> Civil Engineering Department, University of Cambridge	2011-2015
<b>Lecturer</b> Civil Engineering Department, Palestine Polytechnic	2007-2009
<b>Director of Water and Sanitation Department.</b> Municipality of Zawaida (MOZ), Gaza,	2004-2010
<b>Project Engineer</b> Municipality of Zawaida (MOZ), The Gaza Strip	2002-2004
<b>Project Engineer</b> Danish Emergency Project For Gaza Municipalities Relief	2000-2002

---

## **Awards and Achievements**

- Best paper award, First Arab Innovative Annual Conference'' (**AINAC, 2012**) Abu Dhabi, UAE.
  - Cambridge Commonwealth, European & International Trust - Islamic Development Bank (**IDB**) PhD scholarship- October 2010
  - Student Award and travel grant- American Geophysical Union (**AGU**) Fall Meeting 2013, San-Francisco USA.
  - Cambridge Philosophical Society (**CPS**) travel grant for the **12th Aquaconsoil Conference**, April 2013, Barcelona-
  - Trusted Judge for **AINAC 2014** conference at Abu Dhabi - **UAE**.
  - Islamic University of Gaza Scientific Research Centre (**SRC**) Second best master thesis award, **2009**
- 

## **Speaker at:**

- Invited speaker to the 8th World Congress of Industrial Biotechnology (**ibio-2015**), Nanjing, China, April 2015.
  - Invited Speaker to the Contaminated Site Management: Sustainable Remediation and Management of Soil, Sediment and Groundwater (**CSM-2014**), Brussels, November- 2014.
  - **AquaConSoil 2013**-12<sup>th</sup> International UFZ-Deltares Conference on Groundwater-Soil-System, Barcelona Spain.
  - Invited for Panel Discussion, Innovative Youth for Sustainable Future Regional Meeting at West Asia, United Nation Environmental Program (**UNEP**) and Ministry of Youth & Sport- Manama, Bahrain- November,2011
-

## Publications

1. Nassar, A., Al Najar, H., Dawood, O., and **Abunada, Z.** (2015) Comprehensive decision approach for sustainable wastewater reuse using multicriteria decision analysis-gis. J. of Eng. Res. and Tech. 2 (1), 1-6.
  2. **Abunada, Z.** and Nassar, A. (2014). Impacts of wastewater irrigation on soil and Alfalfa crop: Case study from Gaza strip, Journal of Environmental Progress. and Sustainable Energy, Article first published online: Sep. 2014 DOI: 10.1002/ep.12034
  3. **Abunada, Z.** Al-Tabbaa, A., and Parkers, G. (2014). Groundwater and TEX removal using Inorgano-organo bentonite soil mix permeable reactive barrier, Journal of Haz. Mat. Submitted article.
  4. **Abunada, Z.** and Al-Tabbaa, Inorgano-organo- bentonites as permeable barrier for organic contaminants removal: proceeding of the 7th International Congress on Environmental Geotechnics (ICEG)- Engineers Australia, Melbourne, Australia (November, 2014).
  5. Al-Tabbaa, A., Connor, D. O., and **Abunada, Z.**, Field trials for deep mixing in land remediation: execution, Monitoring and lessons learnt, International Conference on piling and deep foundation, Stockholm, Sweden, June, 2014
  6. **Abunada, Z.** and Al-Tabbaa, Effectiveness of Permeable Inorgano-Organic Clay Barrier Materials in the Remediation of Chlorinated Contaminated Groundwater: proceeding of the Ninth International Conference on Remediation of Chlorinated and Recalcitrant Compounds held on May, 2014, Monterey, USA.
  7. **Abunada, Z.** and Al-Tabbaa, A. Initial investigation into the performance of a field trials deep soil mixed permeable reactive barrier system: proceeding of the 12th Aquaconsoil Conference on Groundwater-Soil Systems, Barcelona, Spain, (April 2013).
  8. **Abunada, Z.** and Dawoud, O. (2012). Integration of GIS and Multicriteria analysis for sustainable agriculture wastewater reuse: proceedings of the first annual Arab innovation network conference, Abu Dhabi, UAE.
- 

## Reviewer for the following scientific Journals

- Journal of Waste Management/ ELSEVIER (ISI, Impact Factor 3.22)
  - Journal of Waste Management / ELSEVIER (ISI: Impact Factor: 3.157).
  - Journal of Environmental Management / Elsevier (ISI: Impact Factor: 3.188).
  - CLEAN – Soil, Air, Water / Wiley InterScience (ISI: Impact Factor: 1.838).
  - Environmental Progress & Sustainable Energy / Wiley InterScience (ISI: Impact Factor: 1.271).
- 

## Professional memberships and Affiliation

- Royal Society of Chemistry
  - Institute of Civil Engineers (ICE-UK)
  - American Geophysical Union (AGI)
  - Islamic Development Bank (IDB)-UK Scholars Association, President- 2013-2014
  - Cambridge University Engineering and Energy Society (CUEE)
  - Cambridge University Environmental Consulting Society (CUEC)
  - Queens college-Cambridge University, Middle Combination Room Council Acting member
  - Cambridge University Philosophical Society.
  - Japan International Corporation Agency (JICA)
- 

## Selected trainings and workshops

**April /2013:** Cambridge graduate school. Three days training and education camp. Main themes are proposal writing, fund raising, organizational behaviour and resources management. <http://www.admin.cam.ac.uk/offices/hr/cppd/gradschool/>

**October 2012/April 2013:** Cambridge Judge Business School, Centre of Entrepreneurial Learning, Series of evening lectures on business start-up. <http://www.cfel.jbs.cam.ac.uk/programmes/enterprisetuesday>

**June 2011:** University of Cambridge Writing Skills Summer School (WSSS). Four day's intensive writing course. University of Cambridge

**June 2008:** 48hrs training course "Water tools for Water Resources Management", Centre of water studies, Al Azhar University, Gaza, Gaza Strip.

- Materials testing and approval and quality assurance.
  - Engineering project Management.
  - Supervisory and Leadership Skills.
  - Advance MS project for projects management.
  - Health and Safety Aspects in Engineering Projects.
  - Environmental Impact assessment for engineering projects
- 

## Organizational skills

- Head Planner of the 1st IDB-UK First Scientific Symposium-Cambridge, 2014. More than 160 PhD students, academics and professionals from all over the UK universities joined a one day Symposium at Cambridge University-UK.
  - President of the IDB-UK Scholars Association: Leading a multidisciplinary team forming the executive committee of the (IDB) UK Scholars Association <http://www.idbscholars.org>.
  - Vice President of the Cambridge University Arab Society.
  - First year postgraduate's representative at Queens College Middle Combination Room (MCR).
-

**Language Skills****Read****Write****Speak**

Arabic  
English  
French

Native  
Fluent  
Basic

Native  
Fluent  
Basic

Native  
Fluent  
Basic

---

**Leisure**

Punting, Chess and Kayaking