

دكتور / ثائر ابو شباك

CURRICULUM VITAE

1. **Family name:** Abushbak
2. **First names** Thaer Hussein Rasheed
3. **Date of birth:** August 26, 1969
4. **Nationality:** Palestinian
5. **Civil status:** Married – with three kids
6. **Address** Palestinian National Authority – Gaza Strip
Gaza –P.O Box 4014
7. **Tel. (office)** 00 972-8-2856125 **and (mobile)** 00 972-8-(0) 599 847625
8. **Fax** 00 972-8-2877288
00 972-8-2856125
9. **E-mail** thrabushbak@yahoo.co.uk

10a. Education

Institution [Date from – Date to]	Degree(s) or Diploma(s) obtained
KVL*, Denmark [September 1998 – March 2004]	Ph.D. Degree ¹ – Agrohydrology and Bioclimatology
JUST [§] , Jordan, [September 1992 – October 1995]	M.Sc. – Chemical Engineering
JUST, Jordan [September 1987 – June 1992]	B.Sc – Chemical Engineering

* Den Kgl. Veterinær-Og Landbohøjskole

§ Jordan University of Science and Technology

¹Ph.D Thesis: “An Experimental and Modeling Investigation of Soil Aquifer Treatment System: Gaza City Case”

10b. Other Certificates

Organization – Place	Date	Topic/Field
EU – Palestine	April 1996	Water quality and its control
USGS – Israel	March 1997	Quality Assurance Manual Preparation
USGS – Israel	September 1997	Laboratory Familiarization and water quality control
NIVA – Oslo	June 1997	Water Quality Data Analysis
ACSAD – Syria	June 1998	Water Systems Data Interpretations
KVL – Denmark	May, 1999	Introduction to method and Project Work
KVL – Denmark	July, 1999	Applied Statistics and Data analysis with

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11. Language skills: Indicate Competence on a scale of 1 to 5 (1-basic; 5-excellent)

Language	Reading	Speaking	Writing
English	5	5	5
Arabic	5	5	5

12.	Membership of professional bodies	Engineers Syndicate (membership # 2672)
13.	Other skills	MS Office XP Professional – LaTeX _{2_e} – ArcView GIS 3.2 – Sigmaplot v7.0 – NITRINFIL – SAS – Internet Computer programming with Fortran 77 and JAVA – and handling Environmental Simulators.
14.	Present Position	Manager, Central Laboratory for Water and Soil
15.	Years of professional experience	10 years
16.	Key Qualifications	Wastewater reuse – SAT System: Management and Operation. Water quality and management – Environmental pollution – Environmental modeling and simulation – Transport phenomena of pollutants – Environmental biotransformations

17. Professional experience

Date from – Date to	Location	Company	Position	Description
1996 – up to now	Palestine	Ministry of Agriculture (MoA)	Manager	Advising local staff – Researching – collaboration with other institutions – seeking funds
1993 – 1995	Jordan	JUST	T.A.	Teacher Assistance in the engineering department

18.a Publications and Researches

- Mogheir Y. K., Al Agha S. K., Lubbad I. K., and Abushbak Th. H., (2007) Low Cost Wastewater Treatment Unit in Small Communities: Secondary School Case Study. In proceedings: the second international engineering conference on construction and development

(2nd IECCD), Islamic university of Gaza, Palestine, 3-4 September 2007.

- **Abushbak Th. H.**, (2007) Water Quality Improvements in Sandy Loam Soil During Soil Aquifer Treatment In proceedings international conference: sustainable development and management of water in Palestine. Amman, Jordan 26-28 September 2007.
- **Abushbak Th. H.**, (2006) The Effect of Soil Type and Wastewater Composition on the Nitrification/Denitrification Processes During Groundwater Recharge as part of UNESCO-Flanders Fit Project January 2006.
- **Abushbak Th. H.**, and J. R Jensen, (2006) Water Quality improvements During Soil Aquifer Treatment Using Secondary Treated Wastewater. In proceedings regional EMWater project conference on efficient management of wastewater treatment and reuse in the Mediterranean countries, Amman Jordan from 30.10 to 01.11.2006
- Al Banna M., **Abushbak Th. H.**, Qahman K., and Zakout N., (2005) Study of Recharge Using Treated Wastewater Shiekh Ejlin Infiltration Basin, Gaza. International Conference on Sustainable Urban Wastewater Treatment and Reuse, SUWTR 2005 Cyprus) paper 10.
- **Abushbak Th. H.** and Al Banna M. (2005) Soil Aquifer Treatment System Using Secondary Treated Wastewater. In proceedings: Water Values and rights Ramallah, Palestine.(pages 492-504)
- **Abushbak Th. H.**, Medoukh S., and El-Abadla R. (May, 2005) Status of Water Quality for Irrigation in Gaza Strip, (Poster) International Conference: Water Values and rights: Ramallah, Palestine.(Pages 112-123)
- **Abushbak Th. H.**, Elfara S., Elbaba M., and Alnahal S, (2005) The Effect of Soil Type on the Geochemical Transformation of Treated Wastewater During Groundwater Recharge. (Abstract) International Conference: Water Values and rights, abstracts, 79. Ramallah Palestine.
- **Abushbak Th. H.**, (February, 2004) Using GIS to Evaluate Water Quality For Agriculture in Gaza Strip Using FAO Guideline. Central Laboratory for Water and Soil, Gaza, Palestine. (Local Technical Report)
- **Abushbak Th. H.**, Al-Abadla R, and Melad Kh., (September, 2003), Distribution and Sources of Boron in the Groundwater in Gaza Strip.

Central Laboratory for Water and Soil, Gaza, Palestine (Local Technical Report).

18.b Under Investigation:

- **Abushbak Th. H.**, Melad Kh., Arafat I., and Elfara Sh. *Anionic Surfactant removal from Wastewater by Sorption Using Olive Meal (Wastes from Olive Mill). (Batch Experiments).*
- **Abushbak Th. H.**, Abuzahir Z., Meqbel A., and Medoukh S., *Boron Removal From Wastewater by Sorption Using Treated Olive Meal (Wastes from Olive Mill). (Batch Experiments).*

19. Training Experience

- *The Effect of SAT Systems on the Quality of Both Soil and Groundwater- Gaza Case.*
Participants: Municipalities, Engineers.
Place: Municipality of Gaza
Date: September 2000
- *Sustainable Soil Management Under SAT Operation Systems.*
Participants: Engineers
Place: Gaza, PARC
Date: October 2002, and January 2003.
- *Evaluation of Water for Irrigation – FAO Guidelines.*
Participants: Agricultural Engineers
Place: Gaza, PARC
Date: November 2002, and February 2003.
- *Wastewater Reuse Techniques and Data Interpretation for Soil and Groundwater.*

Participants: municipalities' Engineers, and water, health, and environmental Sectors.

Place: Gaza, UAWC.

Date: 06 and 29 January 2004

- *Water and Water Pollution: Transport of Pollutants in Soil and Aquifer.*

Participants: municipalities' Engineers, and water Sectors.

Place: Place: Gaza, UAWC.

Date: 18 May 2005.

- *Sustainable Soil Management*
Participants: Engineers
Place: Gaza, PARC
Date: March 2006.
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- Original certificates,
- Original documents, and
- Recommendation letters are available.