

دكتور / عدنان موسى عايش

Curriculum Vitae

PERSONAL DETAILS

Name: **Adnan M. Aish**
Date of birth: 3. 10. 1964
Nationality: Palestinian
Sex: Male
Marital status: Married, four children
Address: Al Azhar University -Gaza, P.O.BOX: (1277), Gaza – Palestine
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EDUCATION:

Institution	Vrije University Brussels, Faculty of Applied Science, Department of Hydrology and Hydraulic Engineering
Dates	2004
Degree/Diploma obtained	Ph.D. in Water Resources Engineering (Hydrogeology)

Institution	Vrije University Brussels, Faculty of Applied Science
Dates	2000
Degree/Diploma obtained	Master of Science in Water Resources Engineering (Hydrogeology)

Institution	International Institute for Aerospace Survey and Earth Sciences, Netherlands
Dates	1997
Degree/Diploma obtained	Diploma of the Postgraduate Course in Water Resources Survey with Emphasis on Groundwater Resources Survey.

Institution	University of Zagreb - Republic of Croatian, Faculty of mining, Geology and Petroleum Engineering
Dates	1991
Degree/Diploma obtained	Bachelor of Science in Mining Major in Geotechnics

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS:

- Membership of International Association of Hydrogeology
- Membership of Engineering Association
- Membership of Arab Water Council

TRAINING COURSES:

1. The advanced course (Water and Wastewater Management) Held in Palestine from 19 September to 8 October 1998
2. Using G I S and Data bank in integrated water projects. Held in Syria 22 - 28/ 6 / 1998
3. Use of Nuclear Technology in Hydrology” Held in Amman, Jordan (12 - 22 /08 / 1995)
4. Technical Training in Water and Sanitation (Water Quality Control) Held in Gaza (11 - 22 / 08 / 1996)
5. Training program on “Operation and maintenance of water distribution systems with special emphasis on wells maintenance and rehabilitation” Held in Gaza from December, 23, 1993 to January, 14, 1994

TEACHING COURSES:

1. Hydrogeology,
2. Water Resources Management,
3. Groundwater Modeling,
4. Water Quality
5. Water and Wastewater Treatment
6. Soil Mechanics
7. Global Information System (GIS).

EMPLOYMENT RECORD:

From – To	September 2010 – ongoing
Employer	Al Azhar University- Gaza
Positions held	Director, Institute of Water & Environment

From – To	October 2009 – September 2010
Employer	Al Azhar University- Gaza
Positions held	Head of Geology Department

From – To	Feb. 2008 – March 2009
Employer	Al Azhar University- Gaza
Positions held	Head of Quality Unit, Academic Affairs

From – To	July 2007 – ongoing
Employer	Erasmus Mundus University 3 , Al Azhar University- Gaza
Positions held	Project Coordinator
From – To	Sep. 2007 – Feb. 2008

Employer	Al Azhar University- Gaza
Positions held	Head of Geology Department
From – To	Feb. 2007 – July 2007
Employer	Al Azhar University- Gaza
Positions held	Assistant Dean of Development and International Cooperation

From – To	2004 – ongoing
Employer	Al Azhar University-Gaza
Positions held	Assistant Professor at Department of Geology

From – To	September 2000 – February 2004
Employer	Al Azhar University-Gaza
Positions held	Lecturer at Department of Geology and Water Research Center

From – To	March 1995 – September 2000
Employer	Al Azhar University-Gaza
Positions held	Demonstrator at Department of Geology

From – To	Nov. 1994 – Jan. 1996
Employer	Water Resource Action Program (WRAP)
Positions held	Hydrologist

From – To	Dec. 1992 – Jan. 1996
Employer	Citrus Producers Union for Gaza Strip (Water and Soil Lab.)
Positions held	Water and soil engineer

PROJECTS AND ACTIVATES:

Name of assignment or project	Geotechnical and Hydrogeological Investigation of the North Gaza Wastewater Treatment Plant
Year	2001-2002
Location	Gaza
Client	PWA
Positions held:	Supervision on Geotechnical and Hydrogeological Activities
Activities performed	Lead the local team, coordinate with client and prepare reports

Name of assignment or project	Drinking Water Production and Desalination in Khan-Younes Area
Year	1995-1996
Location	Palestine – Gaza Strip
Client	Italian NGO, CISS
Positions held:	Water lab director
Activities performed	Water quality analysis, coordinate with client and prepare

reports.

Name of assignment or project	Water Desalination by the use of solar Energy
Year	1996
Location	Japan
Client	Italian EBARA,
Positions held:	Water lab director
Activities performed	Water quality analysis, coordinate with client and prepare reports

PUBLICATIONS:

- 1- Aish A., 2010. Water Quality Evaluation of Small Scale Desalination Plants in the Gaza Strip, Palestine. Submitted to 14th International Water Technology Conference IWTC-2010 Cairo – Egypt, March 21-23.
- 2- Aish A., 2010. Simulation of Groundwater Mound Resulting from Proposed Artificial Recharge of Treated Sewage Effluent Cass study-Gaza waste water treatment plant, Palestine. Geologia Croatia, 63/1, pp53-59.
- 3- Aish A., Batelaan O., and De Smedt F., 2009. Distributed Recharge Estimation for Groundwater Modeling using WetSpa Model, case study - Gaza Strip, Palestine. Accepted on the Arabian Journal for Science and Engineering (AJSE).
- 4- Abushbak TH. H., and Aish A., 2009. Water Quality Improvement in Sandy Soil during Soil Aquifer Treatment. 2nd International Conference: Water Values and Rights pp 5:684-695.
- 5- Aish, A., 2006. Potential Application of Rainwater Harvesting in the Gaza Strip. Middle East Research Center, Ain Shams University, Earth Science Series, Volume 20, Earth Science Series, pp 20-28.

From M. Sc. and Ph.D.

- 6- Aish A., 2006. Hydrogeological Study and Artificial Recharge Modeling of the Gaza Coastal Aquifer. Submitted to the 6th international conference on the geology of the Middle East, March, 20-23, 2006, Al-Ain, United Arab Emirate.
- 7- Aish, A., and De Smedt, F., 2004. Modeling of a Groundwater Mound Resulting from Artificial Recharge in the Gaza Strip, Palestine. Second Israel-Palestinian international conference on water for life in the Middle East, October, 10–14, Antalya, Turkey.
- 8- Aish, A., and De Smedt, F., 2004. Artificial Recharge Modeling in the Gaza Coastal Aquifer, Palestine. Second environmental symposium of the German-Arabic society for environmental studies: water resources

and environmental protection in the Middle East and North Africa, October, 4 and 5, Amman-Jordan.

- 9- Aish, A., and De Smedt, F., 2003. Hydrogeological study of a proposed artificial recharge of groundwater, Gaza Strip- Palestine. Proceedings of the second international conference on Wadi hydrology, 1-4 July, Amman- Jordan, WH 42.

CURRENT RESEARCH:

- Geomorphology and Hydrology of Wadi Gaza, Gaza Strip, Palestine.
- Heavy Metal Availability and Mobility in the area of the Northern Waste Water Treatment Plant (NWWTP) in the Gaza Strip Palestine.
- Potential Pollution of Phosphorus in the Top Soils of the Northern Gaza Strip, Palestine.
- Calcium and Magnesium in Drinking Water of Desalination Plants in the Gaza Strip, Palestine.
- Laboratory studies on magnetic water treatment and their relationship to a possible mechanism for scale reduction.

CONTACT REFERENCES:

- | | |
|---------------------------|-----------------------------------------------------------------------------------------|
| Prof. Dr. Haidar S. Anan: | Department of Geology, Al Azhar University –
Gaza P.O.Box 1277, Gaza Palestine. |
| Prof. Dr. F. De Smedt: | Director of IUPWARE, Vrije University
Brussel. Pleinlaan 2 B- 1050 Brussels, Belgium |
| Prof. Dr. W. Bauwens: | Vrije University Brussel. Pleinlaan 2 B- 1050
Brussels, Belgium |