

CURRICULUM VITAE



Summary:

Dr. Maher Abu-Madi was born on 19th January 1969 in Palestine. In 1993, He obtained his Bachelor degree in Chemical Engineering and Technology from the Indian Institute of Technology, Varanasi, India. In 1996, he obtained his MSc. degree in Sanitary Engineering from UNESCO-IHE Institute for Water Education and Research, Delft, The Netherlands. In 2004, he obtained his Ph.D. degree in Water and Environmental Engineering from the Technical University of Delft and UNESCO-IHE Institute for Water Education and Research, Delft, The Netherlands. The theme of his PhD research was on management and economics of wastewater treatment and reuse for agricultural irrigation in the MENA region.

Currently, he is (1) an Associate Professor of Water and Environmental Studies at the Institute of Environmental and Water Studies (IEWS), Birzeit University, and (2) the national coordinator of the Palestinian-Dutch Academic Cooperation Program on Water (PADUCO). He was, for a long period, the Partnership Collaboration Coordinator of UNESCO-IHE Global Partnership for Water Education and Research, The Netherlands. He functioned as the Local Core Technical Advisor (Water) to the Netherlands Representation to the Palestinian Authority. He was a Board Member of the Palestinian Water Sector Regulatory Council. He worked for the Arab Water Academy in Abu Dhabi as the “Education and Training Officer” during the period 15 Dec. 2010 – 30 Jun. 2011.

He managed and participated in many international joint research projects. He designed many capacity building programs that target the PoWER partners as well as in Palestine. He led a team for an international training needs assessment that was used as a yardstick for identifying different educational and training programs in the partner institutions. He is a frequent reviewer of scientific papers to many international peer reviewed journals and proposals. He has substantial knowledge on innovative education and training. He maintains good connectivity with a wide network of international professionals and institutions related to the water sector.

Dr. Abu-Madi is well known for his knowledge and expertise in the field of water transport and distribution. He teaches this subject in the MSc program at Birzeit University and partly in The Netherlands. He conducted many training programs targeting different categories of engineers in the field of water distribution networks using different software programs.

He has a modest number of scientific publications in peer reviewed journals, conferences, books, and symposia. He participated in more than 50 international technical meetings in Asia, the United States, Europe, Africa, and the Middle East including CSD 13 in New York, World Water Forum III in The Hague, WWF V in Istanbul, and WWF VI in Marseille.

He worked as a consultant to a number of local and international institutions on different aspects of water resources management. He was a member of the ICBA international team for developing a water and wastewater master plan for Abu Dhabi and another for the entire UAE.

Key Qualifications:

- Water transport and distribution.
- Water resources management with emphasis on non-conventional water resources.
- Appropriate reuse of reclaimed wastewater for different purposes.
- Socio-cultural assessment of water projects and wastewater reuse practices.
- Cost calculation of wastewater treatment and reuse.
- Economic valuation (cost-benefit analysis) of wastewater treatment and reuse practices.

1. Personal profile

Family name:	Abu-Madi
First name:	Maher
Date of birth:	19 th January 1969
Nationality:	Palestinian
Marital status:	Married with five daughters and two sons
Postal address:	Institute of Environmental and Water Studies, Birzeit University, P.O. Box 14, Birzeit, West Bank, Palestine
Tel/Fax:	+970-2-2982120
Mobile:	+970-599-316-301
E-mail:	abumadi@birzeit.edu ; or maher.abumadi@gmail.com

2. Education

PHD	
Institution:	Technical University of Delft and UNESCO-IHE, The Netherlands
Date: (month/year)	23 March 1999 – 22 June 2004
Degree(s) or Diploma(s):	PhD Degree in Water and Environmental Engineering
MSc	
Institution:	IHE–Delft, the Netherlands
Date: (month/year)	October 1994 – May 1996
Degree or Diploma:	MSc Degree in Sanitary Engineering – Urban Water Supply
BSc	
Institution:	Institute of Technology, Banaras Hindu University, India
Date: (month/year)	September 1989 – May 1993
Degree or Diploma:	Bachelor Degree in Chemical Engineering and Technology

3. Major Training Attended

<p>I have attended large number of training courses in different countries on the various disciplines of water and environmental engineering and management. E.g.:</p> <ul style="list-style-type: none">▪ (2010) Water Diplomacy, Arab Water Academy, 26-30 September 2010, Abu-Dhabi, UAE.▪ (2007) Training of trainers on creative learning, e-learning, and innovations in education, 26 March-2 April 2007, UNESCO-IHE, Delft, the Netherlands.▪ (2006) Research capacity development, 24-30 January 2006, IDRC, Amman, Jordan.▪ (2005) Attended many side events of the UN-CSD13 2005 (United Nations Commission Sustainable Development), New York, USA.▪ (2004) Innovative learning methods and techniques, 1-7 May 2004, Nanjing, China.▪ (2003) Stakeholders' participation and role play, 2003, Delft, the Netherlands.▪ (2002) Strategic planning and use of META plan, (one week) 2002, Delft, the Netherlands.▪ (2001) Project management, (two weeks) 2001, Delft, the Netherlands.▪ (2001) Conflict resolution, (three days) 2001, Delft, the Netherlands.▪ (1999) Microsoft office (Word, Excel, Project Management, Power Point, Front Page, Access), (one month), 1999, Orbit Computers, Attil, the West Bank, Palestine.▪ (1998) Environmental education (13th July 1998 - 20th July 1998), MIO-ESCDE, Athens, Greece.▪ (1998) Organizing and attending a training course on managing water supply systems and tariffing, PHG, Palestine.▪ (1998) Environmental Impact Assessment (EIA), 1998, Palestinian Hydrology Group (PHG).▪ (1997) Environmental Management, (1st -21st Sep.1997), Galilee College, Israel.▪ (1997) AutoCad at the Engineers Association, Nablus, 1997.▪ (1994) Water Supply and Environmental Sanitation (April 1994 - Sep.1994), Birzeit University in cooperation with IHE-Delft.▪ Attending a large number of seminars, workshops, symposia, and conferences on water and the environment.

4. Major Training I Conducted

I have been involved in organizing large number of capacity building programs and training courses to different staff levels: e.g:

- (2011) Successful utility reform in the water sector. Arab Water Academy. Abu Dhabi, UAE.
- (2011) Private sector participation in the water sector. Arab Water Academy. Abu Dhabi, UAE.
- (2010) Water diplomacy. Arab Water Academy. Abu Dhabi, UAE.
- (2007) Wastewater reuse in irrigated agriculture, (2 days). Palestinian Wastewater Engineers Group, Palestine, 11 and 18 March 2007.
- (2006) Wastewater reuse in irrigated agriculture, (3 days). Water Training Center, Palestinian Hydrology group, Palestine, 20-23 November 2006.
- (2006) Design and modeling of water distribution systems. Birzeit University, 2006.
- (2006) Design and modeling of water distribution systems: (60 Hours). Water Training Center, Palestinian Hydrology Group, Palestine, 20-31 August 2006.
- (2006) Water economics and pricing (2 days). Water Training Center, Palestinian Hydrology group, Palestine, 15-18 July 2006.
- (2004-2007) Socio-economics of wastewater reuse, Birzeit University, 2004, 2005, 2006, and 2007.
- (2005) Computer modeling of water distribution systems: (9 days). Birzeit University, 2005.
- (2005-2007) Economic aspects of IWRM, Birzeit University, 2005, 2006, and 2007.
- (2004-2007) Wastewater Reuse and Effective Use of Irrigation Water, (8 days), Birzeit University, 2004, 2005, 2006, and 2007.
- (2006) Wastewater Reuse and Landscaping, (one day) Birzeit University, 2006.
- (2006) Stakeholder Analysis, (2 days) Birzeit University, 2006.
- (2006) Problem and Objective Tree analysis and Logical Framework, (3 days) Birzeit University, 2006.
- (2005-2007) Water pricing: costs and tariffs, (3 days) Birzeit University, 2005, 2006, and 2007.
- (2004-2007) Cost of wastewater treatment in Jordan and Tunisia, (2 days) Birzeit University, 2004, 2005, 2006, and 2007.

5. Language skills (0 to 5 for competence)

Language	Reading	Speaking	Writing
Arabic (mother tongue)	5	5	5
English	5	5	5
Hebrew	3	2	2

6. Professional Memberships and Networking

- Member of Arab Water Council.
- Palestinian and Jordan Engineers Associations.
- MED-REUNET (Mediterranean Network on Wastewater Reclamation and Reuse).
- IWA (International Water Association).
- AHWA (Arab Health and Water Association).
- PEG (Palestinian Environmental Group).
- AUSR (Arab Union of Scientists and Researchers).
- PWA Reuse committee (Palestinian Water Authority).
- Member of MEDA-EMWATER Steering Committee (InWent).
- Member of the National Committee for formulation of rainwater harvesting laws and regulations, Ministry of Agriculture, Palestine.
- Member of the National Committee for Environmental Statistical Indicators, Palestinian Central Bureau of Statistics and Environmental Quality Authority, Palestine.
- Research Coordinator and Technical Committee member of PoWER, UNESCO-IHE Institute for Water Education, Netherlands.

7. Other skills and qualifications

- Water supply engineering.
- Financial and economic cost-benefit analysis of water and environmental projects.
- Wastewater management (treatment and reuse).
- Socio-economic perceptions and attitudes on water, wastewater, and the environment.
- Financial management of engineering projects.

- Water tariffs, affordability, and willingness to pay.
- Rural sustainable development.
- Proposal writing and fund raising.
- Working with META-plan.
- Communication skills and networking.
- Innovative facilitation and moderation of meetings, workshops, and conferences.
- Education and training needs assessment.
- Developing e-learning modules.
- Computer skills (software and hardware), web design.
- Advanced use of Moodle as a tool for innovative learning.

8. Professional experience record

Employer:	Institute Environmental and Water Studies (IEWS)- Birzeit University
Date:	1 st July 2004 – ongoing (Full time)
Location:	Palestine
Position:	Associate Professor, Director of IEWS (2012-2016)
Major Tasks:	<ul style="list-style-type: none"> ▪ Teaching in the MSc and BSc programs. ▪ Supervision of Civil Engineering Graduation projects mainly on Water Transport and Distribution Systems. ▪ Organizing and conducting regular training programs on design of water transport and distribution. ▪ Managing different research projects. ▪ Information management and knowledge mapping. ▪ Proposal writing and fund raising. ▪ Supervision of MSc theses. ▪ Organizing specialized workshops at national level that target policy makers. ▪ Developing e-learning educational modules. ▪ Organizing a regular symposium on water and environment. ▪ Webmaster for the institute's website until Sep 2009: http://home.birzeit.edu/iws
Employer:	Netherlands Water Partnership - Water OS (NWP)
Date:	2013 – 2014
Location:	Palestine
Position:	Local Core Technical Advisor to the Netherlands Representative Office, Ramallah
Major Tasks:	<ul style="list-style-type: none"> ▪ Providing technical support on Water Development. ▪ Review the Annual Strategic Plan.
Employer:	UNESCO-IHE Global Partnership for Water Education and Research (PoWER)
Date:	1st August 2005 – 2014
Location:	The Netherlands
Position:	Partnership Collaboration Coordinator
Major Tasks:	<ul style="list-style-type: none"> ▪ Designing joint research calls and administering these calls and the implementation of the selected projects. ▪ Managing an international collaborative research program (UPaRF Cat. III). ▪ Conducting needs assessment and identifying appropriate capacity building programs. ▪ Stimulating collaborative research between the 42 partner Universities and Institutes in more than 25 countries. Through this position I am managing many collaborative research projects. I developed calls for funding and administered the selection of winning proposals and followed the whole process. ▪ Developing joint educational programs. ▪ Contribution to management of the partnership. <p>More details can be provided upon request.</p>
Employer:	Arab Water Academy
Date:	15 December 2010 – 30 June 2011 (Full time)
Location:	Abu Dhabi, UAE
Position:	Education and Training Officer
Major Tasks:	<ul style="list-style-type: none"> ▪ Design and implementation of senior training programs on Water Diplomacy,

	<p>Utility Reform, Private Sector Participation, and Climate Change.</p> <ul style="list-style-type: none"> ▪ Writing reports after each training. ▪ Coordination with Arab Water Ministers and top management levels in the Arab countries. <p>More details can be provided upon request.</p>
Company:	PHG - Palestinian Hydrology Group (an NGO)
Date:	1994 – 1999
Location:	Palestine
Position:	Water and Environmental Engineer
Description:	<ul style="list-style-type: none"> ▪ Supervision of a water harvesting projects (cisterns) in rural areas of the northern part of the West Bank. (1994-1996). ▪ Design and implementation of water distribution systems 11 Palestinian villages. ▪ Planning and designing a computer program for managing water supply projects (Hydrosoft). This model is meant for billing and tariff calculation for all projects. Programming was done by Nour Soft Company in Ramallah (1998). ▪ Designing and implementation of a capacity building and training program that targeted 11 municipal councils on water economics and effective management of water projects. ▪ Environmental awareness campaigns and programs.

9. Consultancy work

<ul style="list-style-type: none"> ▪ Haql Cit Master Plan. (2011). Water and environmental strategy for urban expansion of Haql city, Saudi Arabia. A work for Al-Salam Engineering Consulting. ▪ Arab Water Academy, Contribution to the Water Diplomacy Program, October, 2010. ▪ The International Center for Biosaline Agriculture (ICBA) and Ministry of Water and Environment, UAE (2010). Team leader of the Wastewater Technology Group within the context of developing a Water Strategy for The United Arab Emirates (UAE). ▪ The International Center for Biosaline Agriculture (ICBA) and Environmental Agency of Abu Dhabi (EAD), (2009). Team leader of the Wastewater Technology Group within the context of developing a Wastewater Strategy for Abu Dhabi Emirate (UAE). ▪ UNESCO-IHE, 2009. Developing demonstration pilot modules for e-learning using Moodle. ▪ Consultancy work to the World Bank, (2008). Preparatory work to the establishment of the Arab Water Academy. ▪ The International Center for Biosaline Agriculture (ICBA) and Environmental Agency of Abu Dhabi (EAD), (2008). Team leader of the Wastewater Group within the context of developing a Water and Wastewater Master Plan for Abu Dhabi Emirate (UAE). ▪ Capacity building consultant to the Palestinian Hydrology Group, Palestinian Wastewater Engineers Group, Ministry of Youth, Ministry of Health, and many others. (2005-2008) ▪ Consultancy work to the House of Water and Environment, (2007). A study on cost benefit analysis of wastewater treatment and reuse in Wadi Al-Nar, West Bank, Palestine. ▪ The Palestinian Hydrology Group (2000). Assessment of public affordability and willingness to pay for water supply in 12 Palestinian communities, ▪ Save the Children Federation (SCF) in the West Bank, (1998). Evaluation of the septic tanks and (SDTs) project. ▪ IRC, 1997. A study on the alternatives for water and sanitation in the Mediterranean region. June – August, 1996, IRC, Netherlands.
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10. Publications

<p>10.1. Journal peer reviewed papers:</p> <ol style="list-style-type: none"> 1. Somuah Junior Tenkorang, Samuel Odai, Adjei Kwaku Amaning, Frank Annor, Sampson Oduro-Kwarteng, Kwabena Biritwum Nyarko, Abu Madi Maher. (2014). Impacts of variable energy prices on the financial sustainability of water facilities: a case from Ghana. <i>International Journal of Water</i> 8 (2), 200-218 2. Abu-Madi, M. and Trifunovic, N. (2013). Impacts of supply duration on the design and performance of intermittent water distribution systems in the West Bank. <i>Water International Journal</i>, Volume: 38, Issue: 03, PP. 263 - 282. (ID: 794404 DOI:10.1080/02508060.2013.794404).

3. **Abu-Madi, M.** and Abu Rayyan, M. (2013). Estimation of Main Greenhouse Gases Emission from Household Energy Consumption: the Case of West Bank, Palestine. *Environmental Pollution Journal*, Vol. 179 (2013), pp. 250-257. DOI: 10.1016/j.envpol.2013.04.022
4. Mimi, Z., Mahmoud, N., and **Abu-Madi, M.** (2011). Modified DRASTIC assessment for intrinsic vulnerability mapping of karst aquifers: a case study. *Journal of Environmental Earth Sciences*. DOI: 10.1007/s12665-011-1252-0.
5. Al-Sa'ed, R., **Abu-Madi, M.**, and Zimmo, O. (2011). Novel Design Concept for Facultative Ponds Using Rock Filters to Reclaim the Effluent. *Journal of Environmental Engineering*, 137, 284 (2011); doi: 10.1061/(ASCE)EE.1943-7870.0000318, pp. 213-306
6. **Abu-Madi, M.** (2010). Impacts of changing energy prices on the financial viability of agricultural groundwater wells in Tulkarm district- Palestine. *International Journal of Water*, Vol. 5, No. 3, 2010, pp 205-222.
7. Al-Deek, Z., **Abu-Madi, M.**, and Al-Sa'ed, R. (2010). Acceptance of rural communities in Ramallah and Al-Bireh Governorate to use treated wastewater. *Derasat Journal*, Vol. 37, Issue 1. University of Jordan.
8. **Abu-Madi, M.** (2009). Farm-level perspectives regarding irrigation water prices in the Tulkarm district – Palestine. *The Journal of Agricultural Water Management*, Vol. 96, No. 9, September 2009, pp: 1344-1350.
9. Al-Sa'ed, R., **Abu-Madi, M.**, and Heun, J. (2009). Enhancing local knowledge and capacity development for sustainable management of water and environmental resources in Palestine. *International Journal of Applied Environmental Education and Communication*, Vol. 8 No. 1, 2009, pp: 30-39.
10. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. (2008). Public perceptions towards wastewater reuse in Jordan and Tunisia. *The Arab Water Journal*, Issue 2, pp 18-32.
11. **Abu-Madi, M.** and Al-Sa'ed, R. (2009). Towards sustainable wastewater reuse in the MENA Region. *Consilience: The Journal of Sustainable Development*, Spring Issue 2, Columbia University, NY.
12. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. (2008). Viability of increasing irrigation water tariffs as a tool to stimulate reuse in the Middle East and North Africa Region. *Water Science & Technology—WST* Vol. 57 No 9 pp 1475–1481. IWA Publishing 2008.
13. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. (2003). Willingness of farmers to pay for reclaimed wastewater in Jordan and Tunisia. *Water Science and Technology: Water Supply*, Vol. 4, No. 3, pp. 115-122. IWA Publishing 2003.

10.2. Book Contributions:

1. Ministry of Environment and Water. (2010). *United Arab Emirates Water Conservation Strategy*, UAE.
2. Environment Agency of Abu Dhabi, EAD. (2009). *Abu Dhabi Wastewater Reuse Master Plan*.
3. **Abu-Madi, M.** (2008). Chief-Editor of proceedings. *First Symposium on Wastewater Reclamation and Reuse for Water Demand Management in Palestine*, 2-3 April, 2008, Birzeit University.
4. **Abu-Madi, M.**, Al-Sa'ed, R., Mahmoud, N., and Burnat, J. (2009). Comparative socio-economic study between greywater and cesspit systems in Western Ramallah – Palestine. Chapter 5 in the Book: "Greywater Use in the Middle East: Technical, Social, Economic and Policy Issues". Edited by Stephen McIlwaine and Mark Redwood. Pp. 89-100, Practical Action Publishing, UK.
5. **Abu-Madi, M.** (2004). Incentive systems for wastewater treatment and reuse in irrigated agriculture in the MENA Region: Evidence from Jordan and Tunisia. PhD thesis, Delft University of Technology and UNESCO-IHE Institute for Water Education, Delft, the Netherlands.
6. **Abu-Madi, M.** (2003). The limit is 40 cubic meters. *The Book of Water Stories*. International Research Center (IRC), the Netherlands.
7. Zimmo, O., Petta, G., Mahmoud, N., Al-Saed, R., Mimi, Z., and **Abu-Madi, M.** (2005). Prospects of efficient wastewater management and water reuse in Palestine: country study. Prepared within the Framework of the EMWater-Project "Efficient Management of Wastewater, its Treatment and Reuse in the Mediterranean Countries".
8. **Abu-Madi, M.** (1996). Computer modeling of water distribution systems with intermittent supply (case study: Tulkarm, Palestine). MSc thesis, EE 217, April 1996, International Institute for Infrastructural Hydraulic Environmental Engineering (IHE), Delft, the Netherlands.

10.3. Conference papers:

1. Hamrasheh, B., **Abu-Madi, M.**, Mahmoud, N., and Al-Sa'ed, R. (2012). Impacts of Potential Climate Change on Rainfed Agriculture in Jenin District, Palestine. In *Conference Proceedings: Water Crisis and Agricultural Development in Palestine*, 21-22 May 2012, Palestine Technical University, Khadoorie, Palestine
2. **Abu-Madi, M.**, Mimi, Z., and Sinokrot, N. (2009). Building a participatory national consensus towards

- wastewater reclamation and reuse in Palestine. Proceedings of Second International conference on the Palestinian Environment, 13-15 October 2009, An-Najah National University, Palestine.
3. **Abu-Madi, M.**, Mimi, Z., and Abu-Rmaileh, N. (2008). Public perceptions and knowledge towards wastewater reuse in agriculture in Deir Debwan. Proceedings of First Symposium on Wastewater Reclamation and Reuse for Water Demand Management in Palestine, 2-3 April, 2008, Birzeit University.
 4. **Abu-Madi, M.** and Aleiwi, A. (2008). Costs and benefits of wastewater treatment and reuse for irrigation in Wadi Al-Nar, Palestine. Presented at the First Symposium on Wastewater Reclamation and Reuse for Water Demand Management in Palestine, 2-3 April, 2008, Birzeit University.
 5. Al-Deek, Z., **Abu-Madi, M.**, and Al-Sa'ed, R. (2008). Acceptance of rural communities in Ramallah and Al-Bireh governorate to use treated wastewater. Proceedings of First Symposium on Wastewater Reclamation and Reuse for Water Demand Management in Palestine, 2-3 April, 2008, Birzeit University.
 6. Is'eed, R., Ghanem, M., and **Abu-Madi, M.** (2008). Willingness to use treated wastewater and to pay for its irrigated products in Dura – Hebron. Proceedings of First Symposium on Wastewater Reclamation and Reuse for Water Demand Management in Palestine, 2-3 April, 2008, Birzeit University.
 7. **Abu-Madi M.**, Al-Sa'ed R., Mahmoud N., and Burnat J. (2007) Socio-economic assessment of graywater treatment systems in western Ramallah. Proceedings of the International Conference: Sustainable Development and Management of Water Resources in Palestine", 25-28 August 2007, Amman, Jordan.
 8. **Abu-Madi, M.** (2007). Cost Benefit Analysis of wastewater reuse considering cultural and ethical aspects in the MENA region. International Symposium on wastewater reclamation and reuse, Branschweig, 10-12 Oct 2007, Germany.
 9. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. (2007). Viability of increasing irrigation water tariffs as a tool to stimulate reuse in the Middle East and North Africa Region. Presented at the 6th IWA conference on wastewater reclamation and reuse for sustainability, Antwerp, 9-12 Oct 2007, Belgium.
 10. Al-Sa'ed, R., Mahmoud, N., **Abu-Madi, M.**, and Zimmo, O. (2007). Enhancement of waste stabilization ponds efficacy using local fixed film materials. Proc. Kalmar ECO-TECH '07 and the Third Baltic Symposium on Environmental Chemistry, 26-28 November, Kalmar, Sweden.
 11. **Abu-Madi, M.**, Al-Sa'ed, R., Mahmoud, N., and Burnat, J. (2007). Socio-economic assessment of greywater treatment systems. Regional Greywater Expert Meeting, Aqaba-Jordan 11-15 Feb 2007. IDRC and CSBE.
 12. **Abu-Madi, M.** and Al-Sa'ed, R. (2005). Cost comparison of wastewater treatment technologies in Jordan and Tunisia. Proceedings of the International Conference on Water Values and Rights, 2-7 May 2005, Ramallah.
 13. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. (2004). Incentive systems for wastewater treatment and reuse in irrigated agriculture in Jordan and Tunisia. Presented at the International Water Demand Management Conference, 30 May-3 June 2004, the Dead Sea, Jordan.
 14. **Abu-Madi, M.**, Braadbaart, O., Al-Sa'ed, R., and Alaerts, G. "Acceptance and willingness of farmers to pay for irrigation with reclaimed wastewater in the Middle East and North Africa Region". Presented at the Regional Symposium on Wastewater Reclamation and Reuse, Crete- Heraklion 25-30 Sep 2002, Greece.
 15. **Abu-Madi, M.**, Al-Sa'ed, R., Braadbart, O., and Alaerts, G. (2000). Selection criteria for appropriate sanitation in the Palestinian rural and semi-urban communities. In: Proceedings of the International Symposium on Water Sector Capacity Building and Research in Palestine, Birzeit University, Dept. of Civil Engineering, Birzeit, West Bank, Palestine.
 16. Trifunovic, N. and **Abu-Madi, M.** (1999). Demand modeling of water distribution networks with individual storage. A paper presented in Water-99 conference, Arizona.

10.4. Reports:

1. I have prepared many training manuals in the various fields of water engineering and management.
2. **Abu-Madi, M.** (2007). Costs and benefits of wastewater treatment and reuse for irrigation in Wadi Al-Nar, Palestine. Work done and submitted to House of Water and Environment, Palestine.
3. **Abu-Madi, M.**, Stephan, M., Samarah, N., Rhail, M., Alaniz, E., Ferral, A., Sarmiento, M., Leihua, L., Yiqing, Y., Mhizha, A., Munamati, M., Chimhashu, S., Mabiza, R., and Kalima, R. (2007). Viability of Effective Pricing of Irrigation Water: Case Studies from Four PoWER Countries: Argentina, China, Palestine, and Zimbabwe.
4. **Abu-Madi, M.** and Stephan, M. (2006). Agricultural status and water use study in Tulkarm District, Palestine: country report. Viability of Effective Pricing of Irrigation Water: Case Studies from Four PoWER Countries: Argentina, China, Palestine, and Zimbabwe. PoWER Collaborative research.

5. **Abu-Madi, M.** and Stephan, M. (2005). Current status of irrigation water in Palestine: country report. Viability of Effective Pricing of Irrigation Water: Case Studies from Four PoWER Countries: Argentina, China, Palestine, and Zimbabwe. PoWER Collaborative research.
6. **Abu-Madi, M.**, Heun, J, and Sorrentino, M. (2005). International Training Needs Assessment of the Water Sector. UNESCO-IHE, the Netherlands.
7. Al-Sa'ed, R., Mahmoud, N., and **Abu-Madi, M.** (2004). Hygienic assessment of Al-Bireh reclaimed wastewater for processed crops irrigation: Guidelines development. Final report submitted to Med-Reunet Program, Agbar Foundation, Spain.
8. **Abu-Madi, M.** (2003). The effect of reliance on donor funds in the water and sanitation sector in Palestine. Al-Baidar, No. 34, March, 2003 (Arabic), pp. 7. Development Studies Institute, Birzeit University.
9. Daoud, S., Mir'i, M., **Abu-Madi, M.**, and Suwadeh, K. (1999). A study on waste management systems in Al-Sha'rawia Arae, Tulkarm Governorate, The West Bank. Assessment of selected solid waste dumping sites in the West Bank and Gaza Strip. Report by the Palestinian Hydrology Group. pp.10-16.
10. **Abu-Madi, M.** (1996). Alternatives for water and sanitation in the Mediterranean region. IRC, the Netherlands.

11. Research projects:

RAINAG (2014-2015): Potential Impacts of Climate Change on Rainfed agriculture in the Jenin Governorate, The West Bank. A research project that is being implemented in collaboration with the University of Twente in the Netherlands. *Position: Team leader.*

SCID (2010 – 2012): Step Chlorination for improving water distribution systems in Ghana and Palestine. A research project in collaboration with KNUST University in Ghana, Al-Najah University in Palestine and Birzeit University. *Position: Team leader.*

AIVOP (2009-2011): Collaborative research project with KNUST, Ghana on the potential impacts of global oil prices on the sustainability of water and wastewater facilities in Palestine and Ghana. An UPaRF research project funded by Netherlands Government through DGIS through UNESCO-IHE PoWER.

Position: Initiator and team leader.

PoWER (2003 – 2013): PoWER is an international partnership of knowledge centers dedicated to building capacity for the sustainable management of water and environmental resources in order to improve the quality of human life and the environment in developing countries and countries in transition. In combining the strength of all partners (17 partners) through collaborative research and information exchange, PoWER aims to enhance the capacity of each partner in delivering capable professional in the water and environment sectors, in finding innovative solutions for water and environmental challenges, and in building up the capacity of institutions and communities.

Positions: Technical Committee Member and Research Coordinator (2004-2007), Partnership Collaboration Coordinator (2005-2011).

VEP (2006-2008). Viability of Effective Pricing of Irrigation Water in Argentina, China, Palestine, and Zimbabwe. A research project funded by Netherlands Government through DGIS through UNESCO-IHE PoWER.

Position: Initiator and research team leader.

WaDimena Research Project (2005 – 2008): On wastewater treatment and reuse in Ramallah and Al-Bireh district. The project is funded by International Development Research Centre (IDRC) in partnership with the Canadian International Development Agency (CIDA) and the International Fund for Agricultural Development (IFAD) through WaDimena program. WaDimena is a five-year multi-donor funded program (2004-2009) that contributes to effective water governance by enhancing water-use efficiency, equity and sustainability.

Position: Initiator and research team leader.

MEDA Project (2004 – 2007): Efficient Management of Wastewater, its Treatment and Reuse in the Mediterranean Countries. The project is funded by European Commission under the EU-MEDA "Regional Program for Local Water Management" and co-funding from the German Ministry for Economic Co-operation and Development (BMZ). Counterpart Organization are: InWEnt Capacity Building International, Germany; Al Bayt University, Al-Mafraq, Jordan; University of Balamand,

Tripoli, Lebanon; Yildiz; Technical University, Istanbul, Turkey; Hamburg University of Technology, Germany; Adelphi Research Consult, Berlin, Germany ENEA, National Agency for New Techn., Energy & Environment, Italy. *Position: Project team member.*

Tempus Project (2004 – 2006): Capacity Building in Environmental Sector at Water Studies Institute. The project is funded by European Commission under Tempus projects. The project was implemented with the help of the Royal Institute of Technology (KTH) at Sweden and UNESCO-IHE at Netherlands. The objective of this project was to develop the curricula of the existing two Master programs (Water Engineering and Water Science and Technology) to include environmental subjects.
Position: Project team member.

MED-REUNET (July 2003 – December 2004): Project Financing: EU through Agbar Foundation and the Mediterranean Reuse Network, Greece. On hygienic assessment of Al-Bireh reclaimed wastewater for processed crops irrigation: guidelines development.
Position: Project team member.

12. References

Prof. Jetze Heun	PoWER Director UNESCO-IHE Institute for Water Education, Delft, The Netherlands. E-mail: j.heun@unesco-ihe.org
Dr. Hammou Laamrani	WaDImena Project Coordinator, Regional Water Demand Initiative. International Development Research Centre (IDRC-Canada). E-mail: HLaamrani@idrc.org.eg
Dr. Talal Shahwan	Birzeit University, the West Bank, Palestine E-mail: tshahwan@birzeit.edu

13. Rewards and honors

- Honored by UNESCO-IHE amongst 26 international persons that contributed substantially to the development of the institute since its establishment 50 years ago.

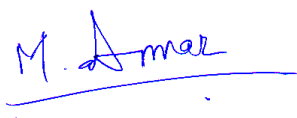
14. Motto

*“When wealth is lost, nothing is lost,
When health is lost, something is lost,
But when character is lost, all is lost”*

I herewith certify that I bear the responsibility for all the information presented in this resume.

Signature

Maher Abu-Madi



Updated on 13 October 2016

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