

Curriculum Vitae

1. Family name: Afifi
2. First name: Samir
3. Date of birth: 25.07.1957
4. Nationality: Palestinian
5. Civil status: Married

6. Education

Institution	Degree(s) or Diploma(s) obtained
Development Center for Professional Studies, University of Kassel, Germany March to October, 1991	Diploma in Higher Education and International Development
Institute of Environmental Chemistry, University of Kassel, Germany 1987 – 1990	Dr. Eng. (Ph.D. Degree)
Faculty of Agriculture, Geottingen University, Germany, 1983 – 1987	Dip. Eng. Chem. & Biochemistry in Soil System
University of Alexandria- Faculty of Agriculture, Egypt 1976 - 1980.	B.Sc. in Pesticide Chemistry

7. Language skills

Language	Reading	Speaking	Writing
Arabic	MOTHER LANGUAGE		
Germany	5	5	5
English	5	5	5

(5 - excellent; 1 - basic)

8. Rank Titles :

- **Professor, Environmental and Earth Science Department**, Faculty of Science/ **Engineering Faculty – M.Sc. Programs: Environmental Health, Environmental Monitoring, and Water Resource Management**, Islamic University of Gaza.
- **Director of Environmental and Rural Research Center**, Islamic University of Gaza
- Consultant for many Governmental & Private Institutions in field public health, water, wastewater and solid waste.
- Member of Scholarship selection committee of DAAD (German Academic Exchange Services) in Gaza Strip.
- **Chairperson of National Steering Committee of Small Grand Program (SGP)** of Global Environmental Facility (GEF) in Palestinian Authority Territories, Hosted by UNDP (from 1998 to 2011).
- **Member of Regional Steering Committee of (SGP)** of Global Environmental Facility-GEF (from 2005 to 2011) and focal person for the issues:
 - a. **Global Warming and Climate Change**
 - b. **Persistence of Organic Pollutants "POPs"**

- **Chairman of Palestinian Environmental Friends Association** (P E F) - Rafah Governorate

9. Other skills

- Professional Seminars and Workshops

- **Seminar on “Strategic Action Planning and Project Development”** International Institute for Infrastructure, Hydrology and Environment Engineering, Delft, Netherlands, 1994
- **International Workshop on Safe Use of Agrochemicals**, German Foundation for International Development with cooperation of the National Research Center of the Arab Republic of Egypt, 1995
- **“Management of Public Institutions”** Community Service and Continuing Education Center, Islamic University – Gaza- Palestine, 1996

- Consultant and Trainer for many Governmental & Private Institutions in field of public health, drinking water quality evaluation & monitoring , assessment of seawater quality, wastewater treatment and reuse and solid waste management.

10. Present positions

- **Professor, Environmental and Earth Science Department**, Faculty of Science\ Engineering Faculty – M.Sc. Program Environmental Health, Environmental Monitoring, and Water Resource Management, Islamic University of Gaza- Palestine.
- **Director of Environmental and Rural Research Center- IUG (Science Augusta 2013)**
- **Team leader of Gaza Case study** of the EU-Funded Project " Climate Induced Changes on the Hydrology of Mediterranean Basins (CLIMB)"

11. Years of experience

- **23 Years**

12. Key qualifications

- Professional expert in Integrated Water Resources and Environmental Impacts Assessment
Specialized in Public Health, Wastewater treatment and reuse, Solid Waste Management, Groundwater/Hydrogeology and Knowledge Management and Municipal Waste Management

– **Capacity Building expert in Water, Public Health and Solid Waste sectors**

Extensive experience in Capacity Building activities through participation in short and long term programs (feasibility, formulation, review and evaluation) with cooperation with local institutions (Universities, NGOs, Water Authority, Environmental Authority,....) and international organizations (Oxfam, EU, UNDP, World Bank, InWent, FCM.....)

– **Expert in developing Knowledge Networks**

During the last 20 years increased experience with the development of professional networks (Knowledge networks and Communities of Practice) to activate and stimulate applied research and other collaborative work, like joint EU cooperation network project, special emphasis is on the Mediterranean and EU counters..

13. Specific country experience

Country	Date from - to
Palestinian Authority	1992 – 2012
Morocco	1999 – 2001, within EU Life Program
Germany	1987-1991

14. Professional experience

Date: from	04/1992
To	Up to date
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Earth Science Department/ Engineering Faculty, M.Sc. Programs: <i>Environmental Health,</i> <i>Environmental Monitoring and</i> <i>Water Research Management</i> Environmental and Rural Research Center
Position:	Professor, Environmental Science and Director of Environmental and Rural Research Center
Description:	<p>Field of Activities:</p> <ul style="list-style-type: none"> - Researcher, fundraising and Project Management in field: Drinking Water, Recreational Water (Seawater), Wastewater and Solid Waste. - Lecturing, the main courses lecturing are: <ul style="list-style-type: none"> ↙ Wastewater Treatment, ↙ Environmental Problems and Pollution Control ↙ Environmental Monitoring ↙ Solid Waste Management ↙ Crises and Risk Management ↙ Environmental Impact Assessment (E I A), <p>Client: IUG – University</p>

Date: from	01/2010
To	12/2013
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science,
Position:	Gaza Team leader
Description:	<p>Title: Climate Induced Changes on the Hydrology of Mediterranean Basins (CLIMB)- Reducing Uncertainty and Quantifying Risk through an Integrated Monitoring and Modeling System</p> <p>Objectives</p> <ul style="list-style-type: none"> • The strategy of CLIMB is aiming to employ and integrate advanced field monitoring techniques, remote sensing analyses and retrievals, climate models auditing and integrated hydrologic modeling and socioeconomic factor assessment in a new conceptual framework to significantly reduce existing uncertainties in climate change impact analysis. • It will create an integrated risk assessment tool for adaptive water resources management and best agricultural practice under climate change conditions. • The risk and vulnerability analysis tool will also enable the assessment of risks for conflict-inducing actions. The improved models, new assessment tools, and their

	<p>results will be evaluated against current methodologies.</p> <ul style="list-style-type: none"> • Improvements will be communicated to stakeholders and decision makers in a transparent, easy-to-understand form, enabling them to utilize the new findings in regional water resource and agricultural management initiatives as well as in the design of mechanisms to reduce potential for conflict CLIMB is embedded in a cluster of independent EU- projects with WASSERMed and CLICO, focused on climate induced changes in water resources as a threat to security. • The project involves a large number of PhD students and an intense stakeholder dialogue to ensure human capacity building in the participating partner countries <p>Client: Funded through EU Program, FP7: 7th Framework Program Collaborative Research Project (Environment, incl. Climate Change)</p>
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Date: from	06/2010
To	5/2012
Location:	Palestine, Gaza Strip- Gaza
Company:	Joint venture ALMADINA -ENFRA Consultants In Consultation with DHV B.V. – The Netherlands
Position:	Environmental and Wastewater Reuse Expert
Description:	<p>Title: Technical Assistance on Use of Non-conventional Water Resources- Reuse of Treated Wastewater, Management of Storm Water Harvesting in the Gaza Strip, RFP # ADA/PWA-Gaza-QCBS 01-09</p> <p>The project proposes:</p> <ul style="list-style-type: none"> • to prepare regulations and pursue of the endorsement for the new institutional framework of the water sector in conjunction with major water supply investments; • to use the water rules study as an instrument to fill the most important legal and regulatory needs of the sector; • PWA will manage the project fund and activities from the starting point up to the end of the program. • ALMADINA-ENFRA Joint Venture have rich experience in various fields relevant to the project where both have carried out several assessment studies, planning, design, rehabilitation and supervision of water projects. <p>Client: Funded by Aurelian Government (Austrian Development Agency) through the Palestinian Water Authority</p>

Date: from	01/2003
To	06/2006
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Earth Science Department\ Engineering Faculty/ Environmental and Rural Research Center
Position:	Gaza team leader of the Project
Description:	<p>Title: Sustainable Water Management In Mediterranean Coastal Aquifers : Recharge Assessment and Modelling Issues</p> <p>Research project with the partners of University of Granada – Water Research Institute, Center for Advanced Studies, Research</p>

	<p>and Development in Sardinia, Institut National Polytechnique de Toulouse, INPT, Institut de Mecanique des Fluides, IMFT, France, University of Neuchatel, Center of Hydrogeology, CHYN – Switzerland, School of Engineering - Ecole Mohammadia d'Ingenieurs, EMI, Rabat-Morocco, University of Gaza, UG, Center of Environmental and Rural Research Center (ERRC), Palestinian Authority, Institut National Agronomique de Tunisie, INAT – Tunis and University of Barcelona, UB, Laboratory of Applied Geophysics, Spain</p> <p>Client: Funded through INCO-MED EU Program</p>
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Date: from	01/1997
To	03/2003
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Earth Science Department/ Environmental and Rural Research Center
Position:	Project coordinator
Description:	<p>Title: Conducting and Preparing Different Technical Reports and Studies:</p> <ul style="list-style-type: none"> • Environmental Impact Assessment of Khan-Yunis Wastewater Treatment Plant, funded by JICA • Baseline Budget under the Provision of the SAP In Gaza Strip – Palestinian Authority – August, 2003, The Document is carried out in the framework of the operational strategy of the implementation of the Strategic Action Program SAP and Funded By MED-POL/ EU. • EIA - Scoping Study for Wadi Gaza Project, Funded By USAID • EIA Scoping Study for The Central Seawater Desalination Plant, Funded By USAID <p>Client: Different International Organization, JICA, EU, USAID</p>

Date: from	10/2000
To	09/2002
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Rural Research Center
Position:	Project Director of:
Description:	<p>Title: Policy Guidelines for Sustainable Wastewater Management in the Gaza Strip.</p> <p>The project was supported by: EC (Life Third Countries Program- European Commission with cooperation of Germany (CDG) and Morocco (ONEP) partners.</p> <p><u>Project objectives:</u> The objective of this project is to develop and to set up waste management guidelines and proposals on effluent and reuse</p>

	<p>standards. This shall be undertaken by means of different activities. According to this proposal the responsible Palestinian authorities will be able to set up their wastewater policy which later on can be adapted and developed to be used in other countries in the region</p> <p><u>Main Activities:</u></p> <ul style="list-style-type: none"> • Data collection of all existing documents concerning the water quality / quantity • Training on Sampling Techniques and Analyses – Gaza • Quantity and quality Comprehensive monitoring of wastewater through sampling and analysis program • Training in wastewater standards and technology - Morocco • Production of the policy Guidelines (2 Reports, first one: Administrative and Legal issues second one: Technical issues) for Sustainable Wastewater Management <p>Client: EC (Life Third Countries Program-European Commission)</p>
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Date: from	06/2000
To	03/2002
Location:	Palestine, Gaza Strip- Rafah
Company:	Rafah Municipality
Position:	Local consultant
Description:	<p>Title: <i>Consultant for Municipal Waste Management (Technical, Administrative and Financial) Issues</i></p> <p>Client: Federation of Canadian Municipalities/FCM, Hosted by Rafah Municipality</p>

Date: from	10/1997
To	9/2001
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Rural Research Center
Position:	Team leader and project coordinator
Description:	<p>Title: Seawater and Beach Quality Assessment / Gaza Strip - Monitoring of Beach Quality</p> <p style="padding-left: 40px;">The project was implemented in three phases. The Activities focus on the <i>Impacts of discharging wastewater effluents on the seawater quality</i></p> <p>Client: Phase I funded by Nether lands Representative office and Phase II is funded jointly by Norway and Nether Lands representative offices. Phase III funded by UN-University</p>

Date: from	04/1999
To	03/2000
Location:	Palestine, Gaza Strip- Gaza
Company:	Gaza Municipality
Position:	Consultant
Description:	<p>Title: Municipality consultant for <i>Sewerage and wastewater treatment Services</i>, <i>The consultancy services focused on supervision and follow up the handover of the Gaza wastewater treatment work from the USAID consultant, Municipality Staff training and identifying appropriate solutions and recommend for the short and medium term operation of the Gaza wastewater treatment Plant after the treatment work upgrading phase</i></p> <p>Client: UNDP (United Nations Development Program)</p>

Date: from	06/1999
To	10/1999
Location:	Palestine, Gaza Strip- Gaza
Company:	UNDP, Gaza Office
Position:	Consultant
Description:	<p>Title: Consultant for SGP/ GEF Program (Global Environmental Facility) for Environmental issues, Palestinian Authority. The Consultancy focus on GEF main operational program:</p> <ul style="list-style-type: none"> - <i>International Water Issues</i> - Bio-Diversity - Climate Changes <p>Client: SGP/GEF program- UNDP</p>

Date: from	04/1999
To	12/1999
Location:	Palestine, Gaza Strip- Gaza
Company:	Rafah Municipality
Position:	Consultant
Description:	<p>Title: Feasibility Study of Al-Barazil Area (Rafah City) <i>Sewerage and Solid waste Services</i>, <i>The study identified appropriate solutions and recommend a strategies for the medium and long term development of wastewater and Solid waste collection and disposal system in Al-Barazil area within Rafah Municipality</i></p> <p>Client: Save the Children Federation</p>

Date: from	09/1992
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To	10/1993
Location:	Palestine, Gaza Strip- Gaza
Company:	IUG- University - Faculty of Science, Environmental and Rural Research Center
Position:	Project Coordinator
Description:	<p>Title: <i>Accommodation of Natural Close Methods for Wastewater Treatment and Quality Control of Drinking Water in Gaza Strip.</i></p> <p>The project was funded through Med-Campus Programme EU, with partners from German - Kassel University and UK - Middlesex University</p> <p>Client: Funded through EU- Med-Campus Program</p>

Date: from	01/1992
To	10/1992
Location:	Palestine, West-Bank, Nablus
Company:	An-Najah National University
Position:	Researcher
Description:	<p>Title: Scientist at the Soil Laboratory of Rural Research Center</p> <p>Client: An-Najah National University</p>

Date: from	09/1987
To	10/1990
Location:	Germany, Kassal, Institute of Environmental Chemistry
Company:	Kassal University
Position:	Researcher
Description:	<p>Title: Researcher in the Use of Reed bet Method for Wastewater and sludge Treatment</p> <p>Client: Kassal University</p>

Date: from	06/1989
To	0/1990
Location:	Germany, Witzenhausen
Company:	Center for Professional Studies, University of Kassel
Position:	Trainer
Description:	<p>Title: the training focus on international Agricultural Engineers in field of Eco-Farming and Eco-Production</p> <p>Client: DITSEL - German Institute for Tropic und Subtropics</p>

15. Other relevant information

As Chairman of the Palestine- Palestinian Environmental Friends Association (PEF) from 1998 to 2013, I have the planning, projects formulation, Fundraising and project management and implementation of the following projects conducted by PEF:

<u>Project Name</u>	<u>Area</u>
<i>Effective Participation to Reduce the Green House Gases from Vehicles (Public Awareness Program)</i>	<i>Gaza Strip</i>
<i>Towards development and effective participation to reduce emissions of gases causing global warming problem from transport sector in the Gaza Strip</i>	<i>Gaza Strip</i>
<i>Reduction of dumped quantity of generated waste in Rafah dumpsite (On farm -composting in rural areas</i>	<i>Rafah</i>
<i>Construction of Community Sewage Units - Sub Surface Drainage Techniques SDT in Northern Villages of Rafah Governorate</i>	<i>Rafah</i>
<i>Towards community involvement to rehabilitate of indigenous plants for the Mediterranean at deteriorated location in the northern area (Bait Lahyia). Rehabilitation of Bait Lahyia sold waste dumped dumpsite</i>	<i>Bait Lahyia</i>
<i>Improve the Quality of Potable Water in the Schools of Rafah & Khanyunis Districts.</i>	<i>Khanyunis and Rafah</i>
<i>Rehabilitation of Water and Sewerage Infrastructure in Northern Gaza Governorate</i>	<i>Northern Governorates</i>
<i>Upgrading Beer Al-Saba'a Secondary School</i>	<i>Rafah</i>
<i>Enhancing Use of Sludge in Compost</i>	<i>Rafah & Khanyunis</i>
<i>Evaluative Study of POPs in Gaza Strip</i>	<i>Gaza Strip</i>
<i>Development capabilities and enhancing occupational safety factors for fishermen of Gaza strip</i>	<i>Gaza Strip</i>
<i>Encouraging the farmers to use the agricultural wastes in producing of compost in Al Shoka area –Rafah</i>	<i>South Gaza Strip</i>
<i>Improving the Public Health of population in Rafah Governorate – Gaza Strip, March to October, 2010, Oxfam Fund</i>	<i>Rafah</i>
<i>Public health intervention working with vulnerable communities in Gaza Strip, School Children and local Community Phase I, II and III, IV from January 2010 to March 2013, Oxfam Fund</i>	<i>South Gaza Strip</i>
<i>Urban Community Participation in Engineering Design and Intervention 12/2011 to 8/2012,</i>	<i>Gaza Strip</i>
<i>Meeting the humanitarian needs arising as a consequence of the protection crisis in OPT, 5/2013 to 3/2014</i>	<i>Palestine</i>

Golden Paragraph

Has experience in fundraising, projects managing and coordination(EU programs, UNDP FCM, Word Bank Oxfam,...) in the field of drinking water and public health, seawater, wastewater, solid waste and green Agriculture in addition to consultation and evaluation of research/ academic programs and a member of many academic and professional institutions. Has participated in many International and local conferences and workshops in the fields of water, wastewater and other environmental issues and has many scientific and technical papers published.

Has professional expert in Integrated Water Resources and Solid Waste Management with extensive experience in Capacity Building activities through planning and participation in short and long programs. During the last years increased has intensive experience with the development of professional networks (Knowledge networks and Communities of Practice) to activate and stimulate applied research and other collaborative work, like joint EU cooperation network project, special emphasis is on the Mediterranean and EU counters..

Publications

- AFIFI, S., 1991: Biochemische Umwandlung von Halogenphenolen, 1.Mitteilung: Toxikologie, Oekotoxikologie und Abbauwege von Halogenphenolen; Berichte zur Oekotechnik, Januar, 55-74. (In German Language)
- AFIFI, S., 1991: Biochemische Umwandlung von Halogenphenolen, 2.Mitteilung: Das Verhalten von Halogenphenolen in Bepflanzen Bodenkoerpern; Berichte zur Oekotechnik, April, 1-33. (In German Language)
- Afifi, S., 1996: Photochemical Degradation of Organic Contaminants in Drinking Water; Mediterranean conference on renewable energy sources for water production, Santorini – Greece, 10-12 June, 222-224.
- Afifi, S., 1997: Feature of Industrial Wastewater Discharged to the Sewerage System - Case Study Northern Governorate - Gaza Strip; Scientific Day on Industrial Liquid Waste and its Impacts on Environment and Health, Birzeit University – Department of Community and Public Health, 29.11.1997.
- Afifi, S., 1998: Wastewater Characteristics in Gaza Strip; WEDO CONFERENCE - Small And Medium Size Domestic Water Conservation, waste water treatment and reuse, Beit Jala (Bethlehem) Palestine, 21-23 February.
- Afifi, S., 1998: Potential Of Waste Water Reuse In Gaza Palestine – Advantages And Hindrances, Third International Water Technology Conference –IWTC – Alexandria, Egypt, 20-23 March, 403-413.
- Afifi, S. and A. Abu-Swareh 1999: Adsorption Behavior of 2,4-Dichlorophenol and 2,4,5-Trichlorophenol on Soil of Gaza Strip; Bethlehem University Journal, Volume 18, 36-54.
- Afifi, S., 2000: Waste water Reuse in Agriculture in North Gaza and its Impacts on the Environment; Egypt Journal of Soil Science, Vol.40,

- Afifi, S., A. Elmanama and M. Shubair 2000: Microbiological Assessment of Beach Quality in Gaza Strip; Egypt Journal of Medical Laboratory Sciences, Vol.9, No. 1, March.
- Afifi, S., S. Bahr and A. Elmanama 2002: Evaluation of Seawater and Beach Quality in Gaza Governorate / Palestine, Water and Environment Scientific Journal, Vol. 5, January.
- 2002: Composting of Municipal Solid Waste as an Environmentally sound Disposal strategy in developing Countries: The Gaza Strip Case, International Postgraduate Research Conference in Built and Human Environment, University of Salford, UK, April.
- Afifi, S., 2003: Septage Treatment In A Vertical Flow Reed Bed System; International Conference on Engineering and City Development, Gaza – Palestine: September, 2003.
- Elmanama A., M. I. Fahd, S. Afifi, S. Abdalla and S. Bahr 2005: Microbiological Beach and sand Quality in Gaza Strip in Comparison to Seawater Quality, Environmental Research 99 1–10
- Elmanama A., S. Afifi, and S. Bahr 2005: Seasonal and Spatial Variation in the Monitoring Parameters of Gaza Beach during 2002-2003, Environmental Research 101 (2006) 25–33.
- Nassar, A., and S. Afifi, 2006: Assessment of existing and future sewage sludge characterisation in the Gaza Strip Palestine, International. J. of Environment and Pollution, vol. 26, 2006.
- Afifi, S., 2006: Wastewater reuses status in Gaza Strip: Palestine, International. J. of Environment and Pollution, vol. 26, 2006.
- Afifi, S., 2006: Assessment of Technical and Environmental Performance of Municipal Solid Waste Management in Rafah City – Palestine, Egypt. J. Soil Sci. 46, No. 1, pp. 1 - 13 (2006)
- Afifi, S., 2006: Performance Evaluation of Beit-Lahia Wastewater Treatment Plant in the Northern Gaza Strip- Palestine, Alexandria Science Exchange Journal, April, 2006.
- Nassar, A., Mc.S. MCIWEM & S. Afifi, 2006: Sludge dewatering using the reed bed system in the Gaza Strip, Palestine, Water and Environment Journal 20 (2006) 27–34.
- Nassar, A., Mc.S. MCIWEM & S. Afifi, 2009: Palestinian Experience With Sewage Sludge Utilizing Reed Beds, Water and Environment Journal, 23 (2009) 75–82
- Afifi, S. and M. Ghnnam, 2009: Evaluation of technical performance of Gaza Wastewater Treatment Plant, The Third International Conference for Science and Development, Faculty of Science, Islamic University- Gaza, Palestine, 7-8 March, 2009.
- Afifi, S. and A. Mohammed, 2009: Prospects of Private Sector Participation for Sustainable Water and Sanitation Services in The Gaza Strip, The Third International Conference for Science and Development, Faculty of Science, Islamic University- Gaza, Palestine, 7-8 March, 2009.
- Afifi, S. and A. Barhuom 2009: Evaluation of Economical and Social Aspects of Municipal Solid Waste Management in Rafah City – Palestine, 2nd International Conference on the Palestinian Environment from 13 to 15 October, 2009, Al-Najah University, Nablus, Palestine.

- Alslaibi, T; Y. Mogheir and S. Afifi 2010: Analysis of landfill components in estimating the percolated leachate to groundwater using the HELP model, *Water Science & Technology*— 2010;62(8):1727-34.
- Alslaibi, T; Y. Mogheir and S. Afifi 2010: Assessment of Groundwater Quality Due to Municipal Solid waste Landfills Leachate, *Journal of Environmental Science & Technology*, DOI: 10.3923/jest
- Afifi, S., J. Al-Dadah and K. Qahman 2012: Agriculture Water Demand Management under Vulnerable Climate Changes in Gaza Strip, 5th International Perspectives on Water Resources & Environment conference (IPWE 2012) January 4-7, 2012, in Marrakech, Morocco
- Afifi, S., M. Eila and K. Qahman 2012: Climate Variability and Vulnerable Communities in the East Mediterranean Region Case Study Gaza Strip – Palestine, 5th International Perspectives on Water Resources & Environment conference (IPWE 2012) January 4-7, 2012, in Marrakech, Morocco.
- Alslaibi, T; I. Abustan, Y. Mogheir and S. Afifi 2013: Quantification of leachate discharged to groundwater using the water balance method and the Hydrologic Evaluation of Landfill Performance (HELP) model, *Waste Management & Research* Volume 31 Issue 1, January 2013
- Afifi, S. and A. Barhoum, 2013: Enhancing Waste Reduction and Materials Recovery in Gaza Strip - Palestine "Rafah City – Case Study", *Istanbul International Solid Waste, Water and Wastewater Congress, Istanbul 3w Congress*, 22 to 24 may 2013
- El-Nahhal, Y; M. Abadsa and S. Affifi 2013: Adsorption of Diuron and Linuron in Gaza Soils, *American Journal of Analytical Chemistry*, 2013, 4, 94-99
- Afifi, S.; N. Bazazew, K. Arakelyan, A. Nassar and T. Wise 2013: Using Reed-Bed System for Wastewater Treatment and Reuse in Urban Semi/Urban Community in Gaza- Palestine, 36th WEDC International Conference, Nakuru, Kenya, 2013

Technical Reports:

- Environmental Impact Assessment of Khan Younis Sewerage Project, 1997
- Environmental Impact Assessment of Northern Governorate Sewerage Project, 1998.
- Environmental Impact Assessment for the Construction of Water Well in Rafah. 1999
- Policy Guidelines for Sustainable Wastewater Management In Gaza Strip, Part I – Technical Issues and Case Studies, IUG-Environmental and Rural Research Center, June, 2002.
- Policy Guidelines for Sustainable Wastewater Management In Gaza Strip, Part II – Legal and Institutional Issues, IUG-Environmental and Rural Research Center, June, 2002.
- EIA Scoping Report for Wadi Gaza Rehabilitation Project, 2002
- EIA Scoping Report for Central Seawater Desalination Plant Study, 2003
- Baseline Budget under the Provision of the SAP In Gaza Strip – Palestinian Authority – August, 2003

- Up dated Report of “Baseline Budget under the Provision of the SAP In Gaza Strip – Palestinian Authority, Strategic Action Programme SAP, MED-POL, UNEP, January, 2009”
- Environmental Impact Assessment of Khan Younis Sewerage Project UNDP new, 2010
- CLIMATE VARIABILITY AND CHANGE Gaza Strip, Occupied Palestinian Territories, UNEP, March, 2011
- ENPI CLIMA South Support to Climate Change mitigation and adaptation in the ENPI South region Contract n° ENPI/2012/308-787, Palestine Country Report, June, 2013

Lecturing / teaching / research supervision

Lecturing, the main courses lecturing are:

- ↙ *Wastewater Treatment and Reuse,*
- ↙ *Environmental Problems and Pollution Control*
- ↙ *Solid Waste Management*
- ↙ *Crises and Risk management*
- ↙ *Environmental Monitoring*
- ↙ *Environmental Impact Assessment (E I A),*

Supervision of High Academic Degrees:

- ↙ *M.Sc. Degrees: Supervision of M.Sc. Students with cooperation of local and aboard universities in the fields of, Water Resource Management - Private Sector Participation for Sustainable Water and Sanitation Services, Solid Waste Management, EIA, Recharge Assessment and Modelling Issues – Wastewater Treatment and Reuse, Sea Water Contamination, Pesticides Dynamic in Soil, Safe Dealing and Dispose of Medical Waste and Solid Waste Management, Health and Safety Risks in Gaza Strip Hospitals.*
- ↙ *Ph. Degrees: Supervision of Ph.D. Students with cooperation of local and aboard universities in the fields of: Water resource Management, Wastewater and Sludge Treatment and Reuse, Gaza Coastal Aquifers Recharge Assessment and Modelling Issues –Sea Water Contamination, and Solid Waste*

Other relevant experiences

- *Participation in several National and International conferences as Member of Scientific Committees and presentation of Peppers.*
- *Participation in National and international workshops and seminars in the field of Water and Wastewater issues.*

References

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Place and date: Gaza Palestine, July, 2013