

## CURRICULUM VITAE (CV)

1. **Proposed Position:** Professor for Water- and Environmental Engineering
2. **Name of Institution:** University of Palestine, Gaza Strip
3. **Name of Staff:** **Hasan Mohammad Khaled Hamouda**
4. **Experience :** **24 years**
5. **Date of Birth:** **1971**                      **Nationality:**      Palestinian
6. **Education:**

<b>Institution</b>	University of Palestine, Gaza Strip
<b>Dates</b>	<b>2017</b>
<b>Degree/Diploma obtained</b>	<b>Professor</b> in Environmental Engineering, Wastewater Treatment

<b>Institution</b>	Clausthal University of Technology, <b>Germany</b>
<b>Dates</b>	<b>2005</b>
<b>Degree/Diploma obtained</b>	<b>Post-Doc</b> in Environmental Engineering, Wastewater Treatment Optimization of municipal WWTP,s in particular: <ul style="list-style-type: none"> <li>- the effect of a reclamation of waste water collection system on reducing the infiltration of groundwater into the collection system</li> <li>- A compilation of loading data and the treatment efficiency of municipal waste water treatment plants and comparison with the state of the art and benchmark.</li> <li>- the reduction of floating and filamentous sludge</li> <li>- reduction of odors in rain water collecting system</li> </ul>

<b>Institution</b>	Clausthal University of Technology, <b>Germany</b>
<b>Dates</b>	<b>2003</b>
<b>Degree/Diploma obtained</b>	<b>PhD</b> in Environmental Engineering, Wastewater Treatment <b>Dissertation:</b> Review of balancing and Reducing of excessive sludge in municipal waste water plants

<b>Institution</b>	Clausthal University of Technology, <b>Germany</b>
<b>Dates</b>	<b>1999</b>
<b>Degree/Diploma obtained</b>	<b>Msc.</b> in Process Engineering majoring in Heat Transfer & Environmental Engineering <b>Dissertation:</b> Design and construction of new mixer to prepare polymer solution for using by the Sludge dewatering

<b>Institution</b>	Clausthal University of Technology, <b>Germany</b>
<b>Dates</b>	<b>1995</b>
<b>Degree/Diploma obtained</b>	<b>Bsc.</b> in Process Engineering

## **7. Publications 2014-2017:**

- 1. A Path to Sustainability: Biogas Recovery towards Energy Self Sufficiency Wastewater Treatment Plant. *Hasan Hamouda and Nadine Abu-Shaaban. Journal of Civil and Environmental Research, June 2014.***
- 2. Enhancing Labour Productivity within Construction Industry through Analytical Hierarchy Process: The Case of Gaza Strip. *Hasan Hamouda and Nadine Abu-Shaaban. Proceedings of the 30<sup>th</sup> ARCOM Conference, September 2014, UK.***
- 3. Safeguarding Activated Sludge System- Sludge Reduction and Efficiency-. *Hasan Hamouda and Nadine Abu-Shaaban. International Journal of Civil Engineering, Construction and Estate Management, March 2015.***
- 4. Sustainable Coastlines: The Case of the Gaza Strip. *Hasan Hamouda, Nadine Abu Shaaban and Eman El-Swaity. International Seeds Conference, June 2015.***
- 5. Effect of Superplasticizer on Workability of Concrete Containing Crumb Rubber *Mustafa Maher Al-Tayeb\**, *Hasan Hamouda*  
**Journal of Civil and Environmental Research Nov. 2015****
- 6. Optimum Superplasticizer Added to Concrete Containing Waste Crumb Rubber. *Mustafa Al-Tayeb, Nadine Abu-Shaaban, Mazen Al-Shorafa and Hasan Hamouda. International Journal of Scientific and Technological Research, 2015.***
- 7. Optimum Superplasticizer Added to Rubberized Concrete Prepare by Adding Powder Rubber as Cement Replacement. *Mustafa Al-Tayeb, Nadine Abu-Shaaban, Ismail El-Daoor and Hasan Hamouda. Journal of Multidisciplinary Engineering Science and Technology (JMEST). July 2015.***
- 8. Enhancing Labour Productivity within Construction Industry through Analytical Hierarchy Process: The Case of Gaza Strip. *Hasan Hamouda and Nadine Abu-Shaaban. Universal Journal of Management. August 2015.***
- 9. Final Contractor Selection Using the Point's Method. *Hasan Hamouda. International Journal of Management Technology. September 2015.***
- 10. Tracing Carbon Footprint in the Wastewater Treatment Plant. *Hasan M. Hamouda. International Research Journal of Environmental Sciences. December 2015.***
- 11. Sustainable Coastlines: The Case of the Gaza Strip. *Hasan Hamouda, Nadine Abu Shaaban and Eman El-Swaity. Modern Environmental Science and Engineering Journal, February 2016.***
- 12. Energy Management – Demand optimization and Biogas production- *Hasan M. Hamouda. International Journal of Sustainable Energy and Environment. April 2016.***

**8. Membership of Professional Associations:**

- Member of the Palestinian Engineering Association, Gaza Branch, since 2011.
- Member of the Association of Researchers in Construction Management, 2014, 2015, 2016, 2017, 2018 (uk)

**9. Other Training:**

• **Educational Training And Conferences:**

- **ACHEMA June 1999, 2001, 2003 Frankfurt -Germany**

World forum for chemical process engineering showcases new equipment, processes, services, and research and development.

- **Water Pollution Controller conference in 2003 Hamburg-Germany**
- **GVC waste water Congress in 2003 Bremen-Germany**
- **Water quality conference in 2004 Wolfsburg Germany**

• **Given Courses:**

Training: Safety and hygienic aspects for Wastewater Treatment Kalefeld (Germany).

Training: WWTP operation in Gieboldehausen (Germany).

Training: WWTP Operators in Gaza strip.

**10. Countries of Work Experience:**

- Palestine
- Germany
- Holland
- Sweden

**11. Languages:**

*(For each language, indicate proficiency: good, fair, or poor in speaking, reading and writing)*

Language	Speaking	Reading	Writing
Arabic	Mother tongue		
German	Very good	Very good	Very good
English	Good	Good	Good

**12. Employment Record:**

<b>From – to (year)</b>	<b>1995-2002</b>
<b>Employer</b>	Clausthal University of Technology, Germany
<b>Positions held</b>	- <b>Teaching assistance</b> - <b>Researcher</b>

<b>From – to (year)</b>	<b>2003-2004</b>
<b>Employer</b>	Clausthal University of Technology, Germany
<b>Positions held</b>	<b>Post doctorate</b>

<b>From – to (year)</b>	<b>2004-2005</b>
<b>Employer</b>	Technocon GmbH Germany –Water Technology Consulting
<b>Positions held</b>	<b>Project Manager</b>

<b>From – to (year)</b>	<b>Since 2005</b>
<b>Employer</b>	University of Palestine
<b>Positions held</b>	<ul style="list-style-type: none"> <li>- <b>Dean of Applied Engineering &amp; Urban Planning College</b></li> <li>- <b>Vice President for Academic Affairs</b></li> <li>- <b>Dean of Admission and Registration</b></li> </ul>

### **13. DETAILED TASKS ASSIGNED IN THE PROJECT:**

*List all tasks to be performed under this assignment*

- Several Researches in waste water treatment and solid waste management
- Preparation of lecturing book for Environmental Engineering

### **14. WORK UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE THE TASKS ASSIGNED:**

*Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.*

<b>Name of assignment or project</b>	<b>Excess sludge reduction in WWTPs</b>
<b>Year</b>	<b>2004-2005</b>
<b>Location</b>	<b>Germany</b>
<b>Client</b>	<b>11 municipalities in Germany</b>
<b>Main project features</b>	<b>The reduction of floating and filamentous sludge in the municipal wastewater treatment plant Bovenden (Germany)</b>
<b>Positions held:</b>	<b>Project Manager</b> Technocon GmbH Germany-Water Technology Consulting
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Floating sludge reduction in Settling tank</b>
<b>Year</b>	<b>2005</b>
<b>Location</b>	Bovenden- Germany
<b>Client</b>	Bovenden municipality
<b>Main project features</b>	The reduction of floating and filamentous sludge in the municipal wastewater treatment plant Bovenden (Germany)
<b>Positions held:</b>	<b>Project Manager</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Odors reduction in Storm Water collection System</b>
<b>Year</b>	<b>2004</b>

<b>Location</b>	Clausthal-Germany
<b>Client</b>	Clausthal municipality
<b>Main project features</b>	The reduction of odors in Storm Water collection System (3 km) in Clausthal-Zellerfeld
<b>Positions held:</b>	<b>Project Manager</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Design of PO4-P-elimination station</b>
<b>Year</b>	<b>2004</b>
<b>Location</b>	Kalefeld- Germany
<b>Client</b>	Municipality Kalefeld
<b>Main project features</b>	Design of FeCl-Dosage station for PO4-P-elimination in the Bioreactor in the municipal wastewater treatment plant Kalefeld (Germany)
<b>Positions held:</b>	<b>Project Manager</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Safety plan for WWTP</b>
<b>Year</b>	<b>2003</b>
<b>Location</b>	Kalefeld- Germany
<b>Client</b>	Municipality Kalefeld
<b>Main project features</b>	Conducting a Water Safety plan for the Overflow situation, application with Safety and hygienic aspects for the municipal wastewater treatment plant Kalefeld (Germany)
<b>Positions held:</b>	<b>Project Engineer</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Water Pollution Control</b>
<b>Year</b>	<b>2002 -2005</b>
<b>Location</b>	Kalefeld- Germany
<b>Client</b>	Municipality Kalefeld
<b>Main project features</b>	Responsible for 80 km Water collection system in Kalefeld (Germany)
<b>Positions held:</b>	<b>Water Pollution Control</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Cross flow filtration</b>
<b>Year</b>	<b>2002</b>
<b>Location</b>	Gieboldehausen -Germany
<b>Client</b>	Gieboldehausen municipality
<b>Main project features</b>	Design and Installation of Cross-flow-Process by theseparation of Bio sludge in cooperation with(Koch-Company, Germany)
<b>Positions held:</b>	<b>Project Engineer</b>

<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>Odors reduction in Storm Water collection System</b>
<b>Year</b>	<b>2002</b>
<b>Location</b>	Gieboldehausen-Germany
<b>Client</b>	Gieboldehausenmunicipality
<b>Main project features</b>	The reduction of odors inStorm Water collection System (2 km) in Gieboldehausen (Germany)
<b>Positions held:</b>	<b>Project Engineer</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>excess sludge production</b>
<b>Year</b>	<b>2001</b>
<b>Location</b>	Gieboldehausen -Germany
<b>Client</b>	Gieboldehausen municipality
<b>Main project features</b>	Design a the Bio-reactor for testing the effect of Sludge-age on the excess sludge production in the municipal wastewater treatment plant Gieboldehausen (Germany)
<b>Positions held:</b>	<b>Project Engineer</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	MBR
<b>Year</b>	<b>2000</b>
<b>Location</b>	Sfaks Tunis
<b>Client</b>	Sfaks university
<b>Main project features</b>	Design and construction of new anaerobic Bio-Membrane-Reactor (MBR) in Cooperation with <b>The Sfaks University (Tunis)-Clint EU</b>
<b>Positions held:</b>	<b>Project Engineer</b>
<b>Activities performed</b>	
<b>Name of assignment or project</b>	<b>High Compact Reactor</b>
<b>Year</b>	<b>2000</b>
<b>Location</b>	Germany
<b>Client</b>	South Africa government
<b>Main project features</b>	Using a new High Compact Reactor ( <b>HCR</b> ) by the treatment of Wastewater in the Paper-Industry (South Africa)
<b>Positions held:</b>	<b>Project Engineer</b>