

# CURRICULUM VITAE

جامعة الأزهر  
Al-Azhar University-Gaza



**Khaldoun Abualhin**

Last Update:03/01/2023

## PERSONAL DETAILS

Date Of Birth	9/8/1975	Place Of Birth	Khanyunis-Gaza
Nationality	Palestinian		
Martial Status	Married	Gender	Male
Designation	Assistant Professor / Director of IWE		
Department	Department of Geology/ Institute of Water and Environment(IWE)		
Faculty	Science		
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Address(Office)	Jamal AbdINasser Street		
Address (Home)			

HURL

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## ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

2011	Doctoral Degree, PHD, TU Bergakademie Freiberg, Germany ( Environmental Remote Sensing and Geoinforamtion)
2002	Master Degree, MSC, ISUFI, Lecce University, Italy (M.Sc., Remote Sensing)
1998	Bachelor Degree, BSC, Al Azhar University-Gaza, Palestine (B.Sc., Geology-Chemistry)

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## CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

2016 , till now	Al-Azhar University-Gaza , Coordinator of PhD in Water Technology
2015 , till now	Al-Azhar University-Gaza , Director of the Institute of Water and Environment (IWE)
2013 , 2014	Al-Azhar University-Gaza , Head of Geology Department
1998 , 2001	Al Azhar University-Gaza , Research Assistant, Department of Geology
2002 , 2006	Al Azhar University-Gaza , Lecturer, Department of Geology
2011 , till now	Al Azhar University-Gaza , Assistant Professor, Department of Geology

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## ADMINISTRATIVE DUTIES

(START\_DATE - END\_DATE , ROLE , LEVEL)

2021 , till now	Head of the Employee Syndicate at Al-Azhar University- Gaza, 25th session. ,University
2020 , till now	Head of the Employee Syndicate at Al-Azhar University- Gaza, 25th session. ,Department
2018 , till now	Member and Coordinator of the Joint Higher Committee of the PhD Program in Water Technology AUG ,University
2016 , till now	Member and Coordinator of the Joint Committee for establishing the first PhD in Water Technology ,University
2017 , till now	Member of MEDRC Scholarship Committee for PhD Candidates in the Gaza Strip ,University
2016 , till now	Coordinator for the PhD Program in Water Technology - AUG ,University
2016 , till now	Member of MEDRC Scholarship Committee for Master Students at the Gaza Strip ,University
2016 ,	Coordinator of PhD in Water Technology ,University
2015 , till now	Director of the Institute of Water and Environment (IWE) ,University
2015 ,2016	A member in the Employee Syndicate at Al-Azhar University- Gaza, 20th session. March ,University
2013 ,2014	A member in the Employee Syndicate at Al-Azhar University- Gaza, 18th session. March ,University
2014 ,2014	A member of the reception committee and the registration of new students ,University
,	A member of the committee preparing the promotions regulation at Al-Azhar University-Gaza ,University
2013 ,2014	Head of Geology Department ,Department

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## AREAS OF EXPERTISE

(AREA)

Climatic Change , Environmental Remote Sensing and Geoinformation , Mapping Techniques and  
Methods , Change detection , Habitats mapping and classification , Environmental Pollution and Modeling ,  
Coastal Assessment and Monitoring , Shoreline Change Evaluation , Bathymetry and Seabed Morphology ,  
Classification and DEM Accuracy , Geomodelling , 3D modeling for surface and subsurface , Remote  
Sensing Methods and Techniques for Environmental Monitoring , Seawater Pollution , Pollution Monitoring  
, Empirical Logarithms for Water Quality Prediction ,

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## SELECTED PUBLICATIONS



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**SUPERVISION**

(DEGREE ,CANDIDATES ,THESIS ,SESSION ,YEAR)

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| <b>Ongoing</b>   | <ul style="list-style-type: none"><li>* PHD ,Hatem Abualtyef ,Toward New Planning and Management paradigm for Non-Revenue Water ,2022 ,Al Azhar university - Islamic University</li><li>* Master ,Ahmed Mikky ,Evaluation of Antiscalant on RO Membrane performance in Desalination Application ,2022 ,Al Azhar Univeristy</li></ul>   |
| <b>Completed</b> | <ul style="list-style-type: none"><li>* Master ,Mohammed Barhum ,Development of an Ultraviolet Disinfection Model for Treated Wastewater in Rafah - Gaza Strip ,2021 ,Al Azhar University</li><li>* Master ,Soha Abushaban ,Coastal Water Quality Monitoring Using Remote Sensing in Gaza City ,2022 ,Al -Azhar University</li><li>* Master ,Samer Alkhuzondar ,Empirical Models for Quantifying Seawater Parameter for Desalination Open Intake System ,2019 ,IWE- Alazhar University -Gaza</li><li>* Master ,Mohammed Amin Hammas ,The Effectiveness of Using an Intelligent Tutoring System in Water Knowledge and Awareness ,2018 ,IWE, Al -Azhar University -GAZA</li></ul> |

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**EXPERT/TECHNICAL CONTRIBUTIONS**

(ACTIVITY ,ORGANISATION ,ROLE ,FROM ,UNTIL ,LEVEL)

Remote Sensing expert for contamination monitoring , , , ,International

Geomodeling and Change Detection , , , ,University

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**EVALUATION ACTIVITIES**

(DESCRIPTION ,EVALUTION ,YEAR)

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| <b>Book/ Article in Journal Reivewer</b> | <ul style="list-style-type: none"><li>* Ocean&amp;Coastal Management Journal, Elsevier ,2022</li></ul>   |
| <b>Examiner</b>                          | <ul style="list-style-type: none"><li>* Oxfam fellowship awards ,2022</li></ul>  |
| <b>Book/ Article in Journal Reivewer</b> | <ul style="list-style-type: none"><li>* Member of the Scientific Committee of the 13 Palestinian Conference for Awareness and Environmental Education for the Environmental Educatio Center ,2022</li></ul>  |
| <b>Examiner PhD /Msc Thesis</b>          | <ul style="list-style-type: none"><li>* Member of the Scientific Committee of the 12 Palestinian Conference for Awareness and Environmental Education. ,2021</li><li>* Examining and Interviewer ,2019</li><li>* Examining and Interviewer ,2018</li></ul> |
| <b>Book/ Article in Journal Reivewer</b> | <ul style="list-style-type: none"><li>* Reviewer in Journal of Civil &amp; Environmental Engineering ,2018</li></ul>   |
| <b>Examiner</b>                          | <ul style="list-style-type: none"><li>* MEDRC PhD Selection Committee Evaluator ,2018</li><li>* MEDRC Master Selection Committee Evaluator ,2017</li></ul>   |
| <b>Examiner PhD /Msc Thesis</b>          | <ul style="list-style-type: none"><li>* Examining and Interviewer ,2017</li></ul>  |

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**TEACHING**

(LEVEL , COURSE )

- First Degree**
- \* Remote Sensing
  - \* Marine Geology
  - \* GIS and Geoinformation
  - \* Historical Geology
  - \* Environmental Science
  - \* Coasts and Shorelines
  - \* Geomorphology
  - \* Groundwater Modelling
  - \* Hydrology
  - \* General Geology
  - \* Groundwater Hydrology
- Post Graduate**
- \* Environmental Remote Sensing and GIS
  - \* Remote Sensing and GIS for Water Resources
  - \* Marine and Coastal Sciences

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**CONTRIBUTION TO SOCIETY**

(START DATE - END DATE , CONTRIBUTION , LEVEL)

- 2019 -** \* Member of the Scientific Committee for Oxfam Scholarship ,National
- 2016 - 2022** \* Chief Coordinator of the Joint Committee for establishing the first PhD Program in Water Technology ,University
- 2018 - 2020** \* Member of the Scientific Committee of the First Palestine International Water Forum 2018 ,National
- 2017 -** \* Member of MEDRC Scholarship Committee for PhD Candidates in the Gaza Strip ,National
- 2016 -** \* Member of MEDRC Scholarship Committee for Master Students ,National

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**SKILLS**

(SKILL , PROFICIENCY )

English ,Very Good

German ,Good

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**CONTINUING EDUCATION**

(YEAR , COURSE NAME , PLACE , INSTITUTION , PERIOD )

2015 ,Teacher Education Program (TEEP) ,Gaza ,Amideast ,8 months

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## TRAINING COURSES

(YEAR , COURSE NAME , PLACE , INSTITUTION , PERIOD )

2010 , Geo-modelling , Freiberg, Germany , TU Bergakademie Freiberg , 29 March-01 April, 2010  
2010 , Integrated Data Analysis in Hydrology , Freiberg, Germany , TU Bergakademie Freiberg , 04-07 Oct., 2010  
2010 , GIS Application in Hydrology , Freiberg, Germany , TU Bergakademie Freiberg , 10-14 April, 2010  
2009 , Scientific Diving, CMAS\* and CMAS\*\* , Freiberg, Germany , TU Bergakademie Freiberg , Oct. 2008-July 2009  
2008 , Time and Project Management , Freiberg, Germany , TU Bergakademie Freiberg , 05-06 and 13 June 2008  
2007 , Statistical Analysis of Compositional Data , Freiberg, Germany , TU Bergakademie Freiberg , 12 June, 2007  
2007 , Remote Sensing and GIS , Freiberg, Germany , TU Bergakademie Freiberg , 12-24 March  
2007 , Osteife Volcanology, Fieldwork , Osteife, Germany , TU Bergakademie Freiberg , 29 June-01 July, 2007

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## Professional Skills

Wide experience in generating digital maps for different purposes: Landuse, urban planning, Coastal environment and habitat classification.

Environmental assessment and monitoring of coastal water and lakes.

Change detection analysis.

Shoreline change calculation.

Digital image pre-processing and processing.

Generation of digital elevation models (DEM).

Wide experience in utilizing remote sensing software: ENVI 4.5, ERDAS Imagine, PCI Geomatica and ER-Mapper software.

Wide experience in using Geoinformation software, e.g. ArcGIS software and Surfer.

Surface and coastal water modeling using Surface Water Modeling System (SMS).

Groundwater modeling using Visual Modflow Software.

Basics knowledge of MatLab and IDL.

Chemical analysis of water.

Physical and chemical analysis of soil.

## Licenses

International Dive License: CMAS\* CMAS\*\*

Special Dive Certificate : Group leader Orientation

Drive License: Class B

## References

Dr. Irmgard Niemeyer Nukleare Safeguards Institut fr Energie- und Klimaforschung (IEK)

Forschungszentrum

Jlich GmbH, Germany

Prof. Dr. Helmut Schaeben Mathematische Geologie und Geoinformatik Institut fr Geophysik und Geoinformatik TU BA Freiberg, Germany

Prof. Dr. Luciano Guerriero President, CEO Dept. of Physics-Politecnico di Bari Bari Polytechnic University, Italy