





ABDALKARIM S. S. GHARBIA**Personal Information**

 Permanent address: 49/140 AL lad and Al Ramlah street, Al Remal Area, Gaza Strip, Palestine.
Temporary address: 3515, Uni-Hotel, Egyetemváros, Miskolc, Hungary.
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Sex Male | Date of birth 21/03/1992 | Nationality Palestinian

Language Fluency

Arabic: the native language.
English: the second language, have excellent communication skills in speaking, reading, and writing English.

Academic Qualification

09/2020 – until now

Doctoral School of Earth Science, PhD student
University of Miskolc, Faculty of Earth Science and Engineering
Miskolc, Hungary

10/2014 – 06/2019

Master's degree in Water and Environmental Sciences
Water and Environmental Institution at Al-Azhar University, Gaza, Palestine

9/2009-6/2013

Bachelor's degree in Building and Construction Management, Civil Engineering
Civil Engineering Department, College of Applied Engineering And Urban Planning, University of Palestine, Gaza, Palestine

9/2007-7/2009

Certificate of General Secondary Education Examination - Scientific Stream
Palestine Secondary School, Gaza, Palestine

List of Scientific Publication

- **Gharbia, A. S.,** Zákányi, B., & Tóth, M. (2022). Experimental and numerical study for the adsorption behavior of Cu (II) and Mn (II) in quartz sand. ("Experimental and numerical study for the adsorption behavior ... - Paperity") Sustainable Water Resources Management, 8(5), 1-9. <https://doi.org/10.1007/s40899-022-00725-x>
- **Abdalkarim S. Gharbia,** Balázs Zákányi, Márton Tóth. EQUILIBRIUM ADSORPTION MODELING FOR TERNARY MULTI-METALS IN THE CLAY SOIL. Műszaki Földtudományi Kar MFK conference volume titled the New results in earth and environmental science, University of Miskolc (2022) pp. 291-298.
- **Abdalkarim S. Gharbia,** Balázs Zákányi, Márton Tóth. EXPERIMENTAL AND NUMERICAL STUDIES FOR THE ADSORPTION BEHAVIOR Cu(II) AND Zn(II) IONS ON A FIXED CLAY BED. In: Szigyártó, Irma-Lídia; Szikszai, Attila (eds.) XVII. Kárpát-medencei Környezettudományi Konferencia =

17th Carpathian Basin Conference for Environmental Sciences, konferenciakötet = conference proceedings, Cluj-Napoca, Romania: Ábel Kiadó (2022) pp. 220-226. , 7 p. Scientific

- Márton Tóth, Balázs Kovács, Imre Czinkota, **Abdalkarim S. Gharbia**, Noémi Szász, István Székely. INVESTIGATION OF SELECTIVE DYNAMIC ADSORPTION OF SCANDIUM ON CH COLLECTOR. Műszaki Földtudományi Kar MFK conference volume titled the New results in earth and environmental science, University of Miskolc (2022) pp. 299-304
- **Abdalkarim S. Gharbia**, Salem S. Gharbia, Hassan Tamous, Thaeer Abushbak, Balázs Zákányi, Márton Tóth,. (2021). Optimization modeling for the use of antiscalants in the brackish RO desalination plants. Desalination and Water Treatment, 224 (2021) 12–20. doi: 10.5004/dwt.2021.27176.
- **Gharbia, Abdalkarim S.**, Salem S. Gharbia, Thaeer Abushbak, Hisham Wafi, Adnan Aish, Martina Zelenakova, and Francesco Pilla. "Groundwater Quality Evaluation Using GIS-Based Geostatistical Algorithms." Journal of Geoscience and Environment Protection 4, no. 02 (2016): 89.
- Gharbia Salem S, **Abdalkarim Gharbia**, Adnan Aish, Thaeer Abushbak, Ghassan Qishawi, Izz Al- Shawa, Martina Zelenakova, Laurence Gill, Francesco Pilla. "Evaluation of wastewater post-treatment options for reuse purposes in the agricultural sector under rural development conditions", Journal of Water Process Engineering, 02/2016; 214:1-12. DOI: 10.1016/j.jwpe.2015.12.003.
- Gharbia Salem S., **Abdalkarim S. Gharbia**, Adnan Aish, Francesco Pilla, Projection of Future Climate by Multi-Model Median Approach under GIS Environment along the Gaza Strip, Palestine, Journal of Environment and Earth Science, 5, (3), 2015.
- Gharbia Salem S., **Abdalkarim S. Gharbia**, Francesco Pilla. "Correlating Biochemical and Chemical Oxygen Demand of Influent and Effluent - a Case Study of Selected Wastewater Treatment Plants in the Gaza Strip, Palestine ", Conference paper in XVth IWRA World Water Congress, Edinburgh, Scotland, 2015.
- Gharbia Salem S., Abdalkarim S. Gharbia, Francesco Pilla. "Potential Effects of Climate Change on Groundwater Recharge - a Case Study of the Gaza Strip, Palestine ", Conference paper in XVth IWRA World Water Congress, Edinburgh, Scotland, 2015.

List of Attended Conferences

- pH Impact on The Cu (II) Adsorption Behavior in The Quartz Sand, 5th SADC Groundwater Conference. GROUNDWATER: MAKING THE INVISIBLE VISIBLE FOR SOCIO-ECONOMIC DEVELOPMENT, Hybrid conference, 16th - 18th of November 2022.
- Adsorption and Desorption Competitive Mechanism for Binary Heavy Metals in Quartz Sand, MultiScience - XXXV. microCAD International Multidisciplinary Scientific Conference, theme: Modern Materials Science and Engineering, conference, 13th – 14th of October 2022.
- Simulation of Heavy Metals Fate in Quartz Sand Bed Column, 49th IAH Congress (The International Association of Hydrogeologists). Groundwater Sustainability and Poverty Reduction, theme: Managed aquifer Recharge, online conference, 19th - 22nd of September 2022.
- Experimental and Numerical Study for the Adsorption Behavior of Cu (II) and Mn (II) in Quartz Sand, 4th SADC Groundwater Conference. THEME: Towards a Water Resilient SADC-Groundwater Systems Thinking, Virtual conference, 10th - 12th of November 2021.
- Adsorption and mobility fate of copper Cu (II) in the quartz sand, Faculty of Earth Science and Engineering PhD Forum, University of Miskolc, 18th of November

2021.

Community Activities

- Volunteer in the engineering club at the university of Palestine.
- Volunteer at JICA Alumni Association – Palestine to distribute helping materials to ruined families in the shelters during the Gaza war from 7/2014 until 9/2014.
- Volunteer at the Palestinian Marine Navigators Association in many projects and seminars related to the environment and marine.

Interest

Technology, Reading and Net Surfing.

Courses

Dar Alhandash Consulting Engineers, Gaza, Palestine,
(September 2014).

16 Hours of Training on Shop / As-built Drawing using AUTOCAD 2014.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (July
2014).

16 Hours of Training on Microsoft Office MS. Project 2010.

Training Centre of Association of Engineers Gaza Governorates - Palestine,
(April 2013).

24 Hours Training on Design and Analysis of Structure using ROBOT 2010.

Training Centre of Association of Engineers Gaza Governorates - Palestine,
(February 2013).

24 Hours Training on Design and Analysis of Structure using SAP 2000.

Community Service & Continuing Education Deanship of Islamic University of
Gaza, (March 2012).

24 Hours Training on Water Supply Network Management and
WATERCAD Program.

INFINITY CENTER FOR TRAINING & DEVELOPING - Gaza, Palestine,
(August 2010).

24 Hours Training on AUTOCAD 2010 (2D).

Computer Courses

Band 5.5 on IELTS Academic test (October 2014).

40 Hours Training on Preparation Course for IELTS Test.

Community Service & Continuing Education Deanship of Islamic University of Gaza, (October 2014).

36 Hours Training on Preparation Course for TOFEL IBT Test.

Language Courses

AMIDEAST Centre (November 2013).

30 Hours of Training on English Course Levels (Level 10).

AMIDEAST Centre (July 2010).

30 Hours of Training on English Course Levels (Level 9).

AMIDEAST Centre (September 2009).

Technical Courses

Community Service & Continuing Education Deanship of Islamic University of Gaza, (November 2014).

40 Hours of Training on Safety & Hygiene in Construction Sites.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (May 2014).

16 Hours of Training on Safety in Construction.

Palestine Red Crescent Society, Gaza, Palestine, (May 2014).

21 Hours of Training in First Aid.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (May 2014).

24 Hours Training on Surveying by Using Total station.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

36 Hours of Training in Building Construction.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

15 Hours of Training on infrastructure Projects.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

6 Hours of Training in Professional Engineering Report Writing.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (July 2014).

4 Hours of Training on Crisis Management in Construction.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (September 2014).

8 Hours Training on Cost Control in Construction and Cost Estimate and Pricing.

Management Courses

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

4 Hours Training on Time Management.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

6 Hours of Training on Problem-Solving Skills.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

4 Hours of Training on Negotiation Skills.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (June 2014).

6 Hours of Training in Contract Management.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (July 2014).

4 Hours of Training on Communication Skills.

Dar Alhandash Consulting Engineers, Gaza, Palestine, (September 2014).

4 Hours of Training on Quality Control.

Perfect Home Training and Electronic Service, Gaza, Palestine, (April 2013).

24 Hours Training on Professional Project Coordinator.

Managerial Competencies

- Professional skills in report writing.
- Appropriate skills to play the role of a team leader.
- Excellent skills in job activity scheduling and time management.
- Strong verbal and written communication skills.

Skills

Computer skills

- Professional skills in arc GIS program.
- Good command of programming skills on R and Python programs.
- Professional skills in statistical analysis tools.
- Good command of Microsoft Office™ tools.
- Proken Design Program.
- Beam Design Program.
- Etaps Design Program.
- Matlab and Visual basic.
- Photoshop Program.

Administrative skills

- Ability to work under pressure.
- Proactive and self-motivated.
- Excellent communication skills, written and verbal, Hands-on approach, good technical knowledge.
- Reports writing.
- Time management.

Working Experiences

Company: Bashir Siksik Company

Position: Hydraulic sales manager

Duration: From February 2015 to September 2020.

Company: Municipality of Gaza,

Position: Civil Engineer

Duration: From June 2014 to December 2014.

Company: AL Qaad contracting company

Position: Civil site engineer

Duration: From January 2014 to June 2014.

Company: Al Kafa General Contracting Company

Position: Civil site engineer

Duration: From October 2013 to January 2014.

Company: Al Fajer AL Jaded for Engineering and General Contracting Company

Position: Civil site engineer

Duration: From June 2013 to September 2013.

References

Name: Dr. Hassan Tamous

Position: Prof. of Chemistry

Email: dr.hassantamous@gmail.com

Mobile No.: +970599705145.

Name: Dr. Thair R. Abu-Shbak

Position: Asst. Prof. of Agrohydrology and Bioclimatology

Email: thrabushbak@yahoo.co.uk

Mobile No.: +970599847625

Name: Dr. Adnan M. Aish,

Position: Prof. of Water Resources Engineering (Hydrogeology)

Email: adnan_aish@hotmail.com

Mobile No.: +970599744276