

Tahra Al Maskari

MSc. Construction Project and Cost Management

Lecturer in Construction Project Management

Department of Civil & Environmental Engineering A 'Sharqiyah University, Oman

Mobile: +968 95609009

Email: tahra.almaskari@asu.edu.om

RESEARCH INTERESTS

- Construction management
- Pre and Post contract management
- Environmental sustainability

EDUCATION

M.S. Civil Engineering October 2021

Specialization: Construction Project and Cost Management
Coventry University, UK
Classification: Distinction

B.S. Civil Engineering June 2016

Specialization: Civil Engineering, University of
Technology and Applied Sciences, Muscat, Oman
GPA: 3.42

PROFESSIONAL EXPERIENCE

- 09/2022- present **Lecturer in Construction Project Management**
Department of Civil & Environmental
Engineering, A'Sharqiyah University, Oman
- 02/2022- 06/2022 **Part-time Lecturer in Construction Project Management**
Department of Civil & Environmental Engineering,
A'Sharqiyah University, Oman
- 09/2018 – 09/2022 **Lab Technician**
Department of Civil & Environmental Engineering,
serving member for National Equipment Database (I-Labs) as a
representative for ASU.
A'Sharqiyah University, Oman
- 01/2021 – 06/2021 **Part-time Research Assistant under MOHERI Project**
Department of Civil & Environmental Engineering,
A'Sharqiyah University, Oman
- 05/2016 – 07/2018 **Internship**
A'Sharqiyah University, Civil & Environmental
Department
Ibra, Oman
- 06/2016 – 07/2016 **Internship**
TR Engineering, Civil Engineering Department
Muscat, Oman

07/2015 – 09/2015 **Internship**
Directorate of General Municipalities, Department of
Dams and Water Resources, Muscat, Oman

07/2013 – 08/2013 **Research Assistant**
Coteba & Sogreah, Civil Engineering Department,
Muscat, Oman

RESEARCH GRANTS

- **The Research Council of Oman**
 - *Status: Ongoing, Budget: 3,000 Omani Rial (7,700 USD\$) Nov. 2020 – Nov. 2022*
 - *Title: Development of Safety Plan for Desalinated Water Use in Oman.*

- **The Research Council of Oman**
 - *Status: Ongoing, Budget: 3,000 Omani Rial (7,700 USD\$) Dec. 2021 – Nov. 2023*
 - *Title: Wastewater Treatment of Hospitals Using Electrochemical Oxidation Process: Ibra Hospital as A Case Study*

- **The Research Council of Oman**
 - *Status: Ongoing, Budget: 1,500 Omani Rial (3,400 USD\$) Nov. 2021 – Nov. 2022*
 - *Title: A BIM- based framework for infrastructure projects operation and maintenance in Oman*

PUBLICATIONS

Indexed & Peer Reviewed Journals

- Alazaiza, M.Y.D.; Alzghoul, T.M.; **Al Maskari, T.**; Amr, S.A.; Nassani, D.E. Analyzing the Evolution of Research on Student Awareness of Solid Waste Management in Higher Education Institutions: A Bibliometric Perspective. *Sustainability* 2024, 16, 5422. <https://doi.org/10.3390/su16135422>
- Alazaiza, M.Y.D., Albahnasawi, A., **Al Maskari, T.**, Abujazar, M.S.S., Bashir, M.J.K., Nassani, D.E., Abu Amr, S. (2023) Biofuel Production using Cultivated Algae: Technologies, Economics, and Its Environmental Impacts, *Energies*, 16, 1316.
- Alazaiza, M.Y.D., Albahnasawi, A., Eyvaz, M., **Al Maskari, T.**, Abujazar, M.S.S., Bashir, M.J.K., Nassani, D.E., Abu Amr, S. (2023) An Overview of Green Bioprocessing of AlgaeDerived Biochar and Biopolymers: Synthesis, Preparation, and Potential Applications, *Energies*, 16, 1-23
- Alazaiza, M.Y.D., **Al Maskari, T.** (2023) Source to tap water quality assessment in drinking water supply system in Oman, *IOP Conference Series Earth and Environmental Science*, 1135, 012019.

- Alazaiza, M.Y.D., Albahnasawi, A., Al-Maskari, O., **Al Maskari, T.**, Abu Amr, S., Abujazar, M.S.S. Nassani, D.E. (2022) Role of natural coagulants in the removal of heavy metals from different wastewaters: principal mechanisms, applications, challenges, and prospects. *Global Nest Journal*, 24, 594-606.
- Alazaiza, M.Y.D., Albahnasawi, A., Copty, N., Ali, G. A., Bashir, M. J., **Al Maskari, T.**, Abu Amr, S., Abujazar, M.S.S. Nassani, D.E. (2022) Thermal based remediation technologies for soil and groundwater: a review: A review. *Desalination and Water Treatment*, 259, 206-220.
- Alazaiza, M.Y.D., Albahnasawi, A., **Al Maskari, T.**, Nassani, D.E. (2022) Benefits, Challenges and Success Factors of Water Safety Plan Implementation: A Review. *Global Nest Journal*, 24, 414-425.
- Alazaiza, M.Y.D., Albahnasawi, A., Ali, G. A., Bashir, M. J., Nassani, D.E., **Al Maskari, T.**, Abu Amr, S., Abujazar, M.S.S. (2022) Nanoscale zero-valent iron for the remediation of soil and groundwater contaminated with heavy metals: A review. *Desalination and Water Treatment*, 253, 194-210.
- Alazaiza, M.Y.D., Albahnasawi, A., Ali, G. A., Bashir, M. J., Nassani, D. E., **Al Maskari, T.**, Abu Amr, S., Abujazar, M.S.S. (2022) Application of Natural Coagulants for Pharmaceutical Removal from Water and Wastewater: A Review. *Water*, 14(2), 140, doi.org/10.3390/w14020140
- Alazaiza, M.Y.D., Albahnasawi, A., Copty, N., Bashir, M.J.K, Abu Amr, S., Abushammala, M., Nassani, D., **Al Maskari, T.** (2022) An overview of Chemical oxidation-based remediation of NAPL from soil and groundwater. *Global Nest Journal*, doi.org/10.30955/gnj.003909
- , M.Y.D., Albahnasawi, A., Ali, G., Bashir, M.J.K., Copty, N., Abu Amr, S., Abushammala, M., **Al Maskari, T.** (2021). Recent Advances of Nanoremediation Technologies for Soil and Groundwater Remediation: A Review. *Water*, 13, 2186.
- Alazaiza, M.Y.D., **Al Maskari, T.**, Albahnasawi, A., Abu Amr, S., Abushammala, M., Aburas, M. (2021). Diesel migration and distribution in capillary fringe using different spill volumes via image analysis. *Fluids*, 6, 189.
- Alazaiza, M.Y.D., Albahnasawi, A., Copty, N., Bashir, M.J.K, Abu Amr, S., Abushammala, M. , Nassani, D., **Al Maskari, T.** (2021). An overview of Chemical oxidation-based remediation of NAPL from soil and groundwater. *Global NEST Journal* (Accepted).
- Alazaiza, M.Y.D., Abdelfattah, F., **Al Maskari, T.**, Bashir, M.J.K, Nassani, D., Albahnasawi, A., Abushammala, M. (2021). Effect of COVID-19 Pandemic on Food Purchasing and Waste Generation during the Lockdown Period in The Sultanate of

TEACHING EXPERIENCE

➤ **TAUGHT COURSES**

- Civil Engineering Material
- Managing Engineering Organization
- Engineering Drawing
- Engineering Geology
- Contracts administration
- Engineering Laboratories
- Construction safety
- Construction surveying

PROFESSIONAL WORKSHOPS ATTENDED

- AutoCAD 2010
- STAAD Pro
- SPSS tool (online)
- Participation in “Critical Thinking Skills” a Career Guidance Training Program organized by the Civil Club and ICE Oman Student Chapter of Civil Engineering Department on 27th July 2020 (online)
- Reading Financial Statements, Corporate Finance Institute, Nov 22, 2020 (online)

COMPUTER SOFTWARE

- | | |
|------------------------|----------------------------------|
| ■ Analytical software | SPSS |
| ■ Software and Package | MS Office |
| ■ Graphical Package | MS-Power Point, Adobe Photo Shop |
| ■ Engineering Software | AutoCAD, STAAD Pro, MS Project |
| ■ Research Software | EndNote, Mendeley, Turnitin |

Lab Experience

Supervise the lab experiments in the following labs in College of Engineering:

- Construction materials
- Surveying
- Transportation

- Geotechnical Engineering

LANGUAGES

- English
- Arabic

REFERENCES

Name	Position	Email
Prof. Sam Wamuziri	Professor, A 'Sharqiyah University, Oman	s.wamuziri@asu.edu.om
Dr. Motasem Alazaiza	Assistant Professor, A 'Sharqiyah University, Oman	motasem.alazaiza@asu.ed u.om