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Name
Dr. Zeyad A. Alshboul

1- Contact Information

Dr. Zeyad Ahmad Alshboul
Ajloun National University
Ajloun, Jordan
+962 779 682 353
02 646 6616-520

2- Education – degree, discipline, institution, year

- **Associate Prof.** Civil Engineering/Water and Environmental Engineering
- **Ph.D.**, Water and Environmental Engineering, Koblenz-Landau University, **Germany, 2016.**
- **Research Fellowship**, Water Monitoring Systems, TU of Braunschweig, **Germany, 2012**
- **M.Sc.**, Water Resources and Environment, Al al-Bayt University, **Jordan, 2011.**

3- Academic experience

- **Dean, Faculty of Engineering**, Ajloun National University, Associate Prof. **2021-present**, FT.
- **Department Chair**, Ajloun National University, Assistant professor, **2019-2020**, FT.
- Al-Zaytoonah University of Jordan Assistant Professor, **2018-2019**, PT.
- Applied Science University, Assistant Professor, **2016-2018**, FT.
- **Daimler AG, Mercedes-Benz, Germany**, Intern, **2015-2016**, FT.
- **University of Koblenz-Landau**, Research Assistant, **Germany, 2012-2016**, FT.

4- Non-academic experience

- **Consultant, OXFAM UK**, Review and Learning of COVID-19 Related Responses under the WASH Program in General, and OCHA WASH in Mafrq in Particular, **2021-2022.**
- **Consultant, OXFAM UK**, Accountability Systems between Water users and Governance Bodies, Project Manager, Write Technical and Financial Proposal, QA/QC assessment, Field survey and feedback analysis, facilitate workshops for presenting key findings, **2017-2018**, FT.
- **Ministry of Water and Irrigation**, Desalination and Water Treatment Unit Assistant, Operation of desalination and drinking water treatment and desalination plants of different treatment technology, **Jordan, 2006-2011**, FT.

5- Certifications or professional registrations

- Registered Engineer, Jordan Engineers Association, **2016.**

6- Current membership in professional organizations

- Jordan Engineers Association.

7- Honors and awards



- **Research project fund** – Applied Science University, Grey water management, **2017**, Amman-Jordan.
- **Research fellowship**, Water Resources and Environment, **TU Braunschweig- Germany, 2011.**
- **PhD scholarship** – German Academic Exchange Services (DAAD) – Sustainable water management program (NaWaM), **Landau-Germany, 2010.**

8- Service activities (within and outside of the institution)

- Local Community Service Committee, Ajloun National University, 2020-now
- Scientific Research Committee, Ajloun National University, 2020-now.
- Civil Engineering-ABET Committee, Rapporteur, Ajloun National University, 2019.
- Civil Engineering-Graduation Projects Committee, member, Ajloun National University, 2019.
- Civil Engineering- Research Committee, member, Ajloun National University, 2019.
- Civil Engineering- Laboratories Affairs Committee, member, Ajloun National University, 2019.
- Quality Control Committee, Royal Scientific Society, 2008.
- Civil Engineering-Laboratories Affairs Committee, member, Applied Science University, 2016-2018.

9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

- **Z. Alshboul**, Sustainable Use of Personal Protective Materials Against COVID-19 Will Lower Economical and Environmental Impacts, ICED, Greece, **2022.**
- **Zeyad Alshboul**, Water Accountability Model under Emergency Cases and for Areas Gained New Access to Water Services, 2022, Information Sciences Letters, **2022.**
- **Alshboul et. al**, Temporary and Permanent Impacts of COVID-19 on Water Consumption Patterns and Solid Waste Generation, International Journal on Engineering Applications, Italy, **2022.**
- Malkawi, AlGhzawi, **Z. Alshboul**, Murad, Internet of Things Based Monitoring System of Leaks in Water Supply Networks Using Pressure-Based Model, Information Sciences Letters, **2022.**
- **Alshboul et.al**. Sustainable Use of Brine Water in Concrete Cement Mixes Alter Compression-Bending Strengths, International Review of Civil Engineering, **2022.**
- **Alshboul, Z., and A. Lorke. 2015.** Carbon Dioxide Emissions from Reservoirs in the Lower Jordan Watershed. PLoS One 10: e0143381. (Published in **Plos One**).
- **Alshboul, Zeyad**, Fernández, Jorge, Hofmann, Hilmar, Lorke, Andreas, Export of dissolved methane and carbon dioxide with effluents from municipal wastewater treatment plants, Environmental science and technology, **2015.** (Published in journal of **Environmental Science and Technology**).
- **Alshboul, Zeyad**, Somali-Hase, Celia; Bors, Christoph; Lorke, Andreas: Simple approaches to measure the diffusive flux of carbon dioxide and the rate of bubble release in shallow aquatic systems; (Under review in **Limnology and Oceanography - Methods**).
- Lorke, A., Bodmer, P., Noss, C., **Alshboul, Z.**, Koschorreck, M., Somlai, C., Bastviken, D., Flury, S., McGinnis, D. F., Maeck, A., Müller, D., and Premke, K.: Technical Note: Drifting vs. anchored flux chambers for measuring greenhouse gas emissions from running waters, Biogeosciences Discuss., 12, 14619-14645, doi:10.5194/bgd-12-14619-2015, **2015.** (Published in journal of **Biogeosciences**).



- Jeremy Wilkinson, Andreas Maeck, **Zeyad Alshboul**, and Andreas Lorke, Continuous Seasonal River Ebullition Measurements Linked to Sediment Methane Formation, *Environmental Science & Technology*, DOI: 10.1021/acs.est.5b01525. (Published in **Environmental Science and Technology**).
- Azzaya Tumendelger, **Zeyad Alshboul**, Andreas Lorke; Emission of greenhouse gases (N_2O and CH_4) from municipal wastewater treatment plants in Southwest Germany: Revealing N_2O sources using stable isotopic approach; plos one **2018**.

10. Briefly list the most recent professional development activities

- Regional Workshop for the Mediterranean Countries to Empower the Role of Youth in Light of **Climate Change**, Amman, **2022**.
- Member of the community of **Climate Change AArU 2021**.
- Workshop on Data Analysis, Jordan Engineers Association, Ajloun-**2019**.
- Workshop Excel for Engineers, Jordan Engineers Association, Ajloun-**2019**.
- Seminar in National Self-employment Program-Amman, **2019**.
- Supervised many Graduation Projects and National and International Research Programs
- Trainer for Many Training Courses in IoT, Water and Environment Engineering.