Dr. MOHAMED DEHBEEL ALDHAMARI
Department of Civil Engineering
Faculty of Engineering
University of Science and Technology (YEMEN)
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EDUCATION

Ph.D.: Civil Engineering — **May 2002**
Department of Civil Engineering
Colorado State University, Fort Collins, Colorado, USA

M.Sc.: Irrigation Engineering — **June 1988**
Department of Agricultural and Irrigation Engineering
Utah State University, Logan, Utah, USA

B.Sc.: Agricultural Engineering — **June 1980**
Department of Agricultural and Irrigation Engineering
University of Basra, Basra, Republic of Iraq

PROFILE

Department Head — **Feb. 2014- April 2016**
Civil Engineering Department
Faculty of Engineering
University of Science & Technology
Sana'a – Yemen

Dr. Aldhamari define the priorities of the department, create new ideas to improve the department academic plans, create research ideas and new agenda that meets the need of local and international markets. Attract top high school students to join the department of civil engineering and hire new faculty to join the department. Participated in several workshops which has been targeted the improvement of the existing master program in the department

TEACHING:

Dr. Aldhamari has 15 years of teaching experience and practical research work with the College of Engineering at Utah State University and Colorado State University in the United States of America. College of Agriculture at Sana'a University. Dr. Aldhamari specializes in Irrigation and Drainage Engineering, Water Resources and Environmental Engineering.

Dr. Aldhamari taught surveying courses for engineers to sophomore students in the department of civil engineering at the University of Science and Technology in Sana'a-Yemen.
Currently, Dr. Aldhamari is teaching fluid mechanics and hydraulics for engineers including its laboratory applications and problem solving exercises.

Dr. Aldhamari is capable to teach freshmen and senior-level undergraduate engineering courses such as Statics, Dynamics, Fluid Mechanics, Soil Mechanics, Soil Physics, and physics courses for engineers in addition to their related laboratories. Dr. Aldhamari is also able to teach water resources and groundwater engineering courses including Hydrology, Hydraulics, Soil Physics, Water Resources and irrigation engineering courses.

RESEARCHS:

Before earning his doctorate in civil engineering, Dr. Aldhamari has worked as a research associate at the Engineering Research Center (ERC) at Colorado State University. Dr. Aldhamari worked in the porous media laboratory and groundwater G-WAVE laboratory.

Dr. Aldhamari coordinated, and taught fluid mechanics, soil mechanics, and soil physics laboratory courses for undergraduate students. After earning his doctorate degree in 2002, Dr. Aldhamari continues working in the academic researches beside his involvement in teaching and researches.

Dr. Aldhamari served as a graduate committee member for Master and Doctorate candidates. Dr. Aldhamari also provided research proposals and consultation for senior level and graduate students. In the practical and applied research, Dr. Aldhamari, participated in groundwater, water supply, sanitation, water resources reuse, and irrigation and drainage projects.

Dr. Aldhamari conducted varieties of water resources and hydrogeology research working operation including field investigation and site assessment programs as related to quantitative and qualitative surface and groundwater resources.

WORK EXPERIENCE

Department of Civil Engineering **June 2002 - 2012**
Faculty of Engineering
Colorado State University
Fort Collins, Colorado, USA

Position: Faculty associate:

- Taught undergraduate courses such as physics for engineers, statics, dynamics, fluid mechanics, soil mechanics, soil physics, groundwater engineering, hydrology, hydrogeology, hydraulics, and their related laboratories.
- Provided consultations to undergraduate senior projects and participated in the tutoring programs for undergraduate classes.
- Served in graduate committee for Master and Doctorate candidates. Provide research proposals and consultation for senior level students.
- Wrote project proposals for groundwater engineering, water supply, sanitation, water resources reuse, and irrigation and drainage projects.

Engineering Research Center **Aug. 1998-2012**
College of Engineering
Colorado State University

Position: Research Scientist:

- Planned and designed research studies on the effect of increased groundwater pumping on stream water flow. Supervised field studies on water supply and land conservation research program.
- Served as a research associate in the porous media and groundwater G-WAVE laboratories at the engineering research center. Applied groundwater flow and contaminant transport modeling.

- Conducted varieties of water resources hydrology and hydrogeology research programs and field operation research including field investigation and site assessment programs as related to water quantity/quality. Wrote proposals on contaminant transport and water quality control.

- Applied groundwater flow modeling as related to ground-water flow hydrology, hydrogeology, contaminant transport, and ground-water/surface water interactions.

- Wrote research proposals on water resources development. Applied research programs on appropriate rainwater harvesting methods, aquifer storage and recovery (ASR).

- Conducted research programs on quantitative hydrology, application of groundwater modeling to evaluate groundwater and surface water interaction, wrote technical reports, presented results, and disseminated findings.

- Applied computational modeling to estimate aquifer hydraulic properties and to perform the necessary statistical analysis, wrote technical reports summarizing results.

SKILLS

Computer: Programming languages: (FORTRAN, C++, Mathcad, Matlab), Operating systems: (UNIX, Window7/ Vista/XP/NT/2000/98/95), Microsoft Office: (Excel, Word, Access Outlook, Publisher PowerPoint,), Graphic Software: (Surfer, AutoCAD), GIS:(ArcGIS, Arc/Info, ArcView), and Remote Sensing

Career Oriented: Teaching undergraduate civil engineering courses such as statics, dynamics, fluid mechanics, soil mechanics, soil physics classes. Professional and able to teach water resources and groundwater engineering courses including hydrology, hydraulics, soil science, soil physics, and irrigation engineering courses.

Communication: Fluent in English and Arabic; Excellent Oral and Written Communication Skills.

MEMBERSHIPS

- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- National Ground Water Association (NGWA)

OTHER INFORMATION

- Have teaching and research experiences in water resources and groundwater engineering courses including hydrology, hydraulics, soil science, soil physics, and irrigation engineering courses. .
- Have experience in computer, science, modeling, and all the Microsoft family programs including Microsoft Excel, Word, Access, Outlook, Publisher, and PowerPoint.

*REFERENCES

□ **Darrel G. Fontane, *Ph.D.***
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