

# CURRICULUM VITAE

Abdullah Hasan Alsanad

## CONTACT INFORMATION

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College of Life Sciences, Kuwait University  
P.O. Box 5969, Safat 13060, Kuwait

## EDUCATION

August 2000 – June 2004 The University of Toledo, Toledo, Ohio  
***B.S. Civil Engineering, Minor in Business Administration***

August 2006 – May 2008 Arizona State University – Polytechnic, Mesa, Arizona  
***M.S. Environmental Technology Management***

May 2008 – May 2011 Arizona State University, Tempe, Arizona  
***Ph.D. Civil, Environmental, and Sustainable Engineering***

## PROFESSIONAL EXPERIENCE

May 2002 – May 2003 **SEMATCO (Soil & Engineering Material Testing),**  
Safat, Kuwait

January 2004 – May 2004 **A & A Engineering,** Toledo, Ohio

September 2004– February 2005 **SEMATCO (Soil & Engineering Material Testing),**  
Safat, Kuwait

March 2005 – **Public Authority of Housing Welfare, Surra, Kuwait**  
July 2006

January 2008 – **Arizona State University, Tempe, Arizona**  
August 2008

August 2006 – **Kuwait University, Adailiya/Shadadiya, Kuwait**  
Present

## **COMPUTER SKILLS**

AutoCAD  
SPSS  
C++  
HELP Model  
MATLAB  
Microsoft Project  
MODFLOW

## **RESEARCH INTEREST**

Dust suppression  
Particulate matter monitoring and analysis  
Biological soil crusts  
Soil erosion and stabilization  
Waste containment  
Heavy metals accumulation

## **HONORS & DISTINCTIONS**

Kuwait's Ministry of Higher Education scholarship - 2000  
The University of Toledo President's List - 2001  
The University of Toledo – College of Engineering Dean's List - 2001  
Kuwait's Ministry of Higher Education Certificate of Academic Merit – 2001, 2002, 2003  
Kuwait University scholarship for master's and Ph.D. -2006  
Kuwait University incentive award for early completion of Ph.D. degree – 2011

## **COLLEGE DUTIES & COMMITTEES**

Head of the department's planning and public activities committee  
August 2011-August 2012  
Head of the department's employment committee  
August 2012- August 2013  
Head of the department's portfolio committee

	August 2013- August 2014
Director of the Office of Accreditation and Assessment	
	September 2012 – September 2014
Head of the department's accreditation committee	
	August 2014- August 2015
Head of the department's Portfolio committee	
	August 2015- August 2016
Head of the department's Accreditation and Assessment Committee	
	August 2016- September 2016
Acting Chairman of the Department	
	December 2017 – December 2018
Head of Accreditation and Assessment Committee	
	December 2020 – Present

## **PUBLISHED RESEARCH PAPERS**

- Almutairi, A., Alsanad, A., & Alhelailah, H. (2019). Evaluation of the Indoor Air Quality in Governmental Oversight Supermarkets (Co-Ops) in Kuwait. *Applied Sciences*, 4950.
- Alolayan, M., Elmi, A., Alsanad, A., & Aljallal, L. (2021). Municipal Solid Waste Characteristics and Segregation Efficiency of In-House Direct Sampling in Kuwait. *Int. J. of Environment and Waste Management*.
- Alsanad, A., Almutairi, A., & Alhelailah, H. (2021). Knowledge pattern assessment of potential safety threats of compact fluorescent lamps in Kuwait. *Journal of Applied and Natural Science*, 1256-1264.
- Alsanad, A., AlHelailah, H., & AlDehmeli, E. (2018). Mercury Risk from Fluorescent Lamps: Assessment of Current Status of Kuwait Society Awareness. *The International Conference on Energy, Water, and Environmental Sciences (ICEWES)*.
- Alsanad, A., & Alshawaf. (2023). SARS-CoV-2 epidemic first wave: The impact of partial and complete lockdowns on road-deposited sediments quality. *Applied Ecology and Environmental Research*, 1076-1094.

## **OTHER ACADEMIC ACTIVITIES (BOOKS, REPORTS, UNPUBLISHED PAPERS, OTHER RESEARCH AND CONSULTING ACTIVITIES)**

- Aljassar, H., Entekhabi, D., Temimi, M., Alsanad, A., Alkhozam, A., & Rao, K. (2012). Calibration and validation of SMAP Satellite retrieved soil moisture data over Kuwait desert terrain.

- Al-Mudh'hi. (2012). *Kuwait's Initial National Communications under the United Nations Framework Convention on Climate Change*. Kuwait: Environmental Public Authority.
- Alsanad, A. (2009). *Examining the Effectiveness of Solid Adsorbents for Ethanol/Water Separation*. Mesa: Arizona State University.
- Alsanad, A. (2011). *Novel Biopolymer Treatment for Wind Induced Soil Erosion*. Tempe: Arizona State University.
- Alsanad, A., AlHelailah, H., & AlDehmel, E. (2018). Mercury Risk from Fluorescent Lamps: Assessment of Current Status of Kuwait Society Awareness. *The International Conference on Energy, Water, and Environmental Sciences (ICEWES)*.
- Alsanad, A., Almutairi, A., & Alhelailah, H. (2021). Knowledge pattern assessment of potential safety threats of compact fluorescent lamps in Kuwait. *Journal of Applied and Natural Science*, 1256-1264.
- Energy, Utility and Environment Conference. (2012). *EUEC*. Phoenix.
- Energy, Utility and Environment Conference. (2014). *EUEC*. Phoenix.
- First Kuwait International Conference on Life Sciences. (2014). *KICLS*. Albideia.
- International Conference on Energy, Water & Environmental Sciences. (2018). *ICEWES*. Ras Al-Khaima.
- Second Kuwait International Conference on Life Sciences. (2016). *KICLS*. Shuwaikh.
- Third Kuwait International Conference on Life Sciences. (2018). *KICLS*. Free Trade Zone.

## COMMUNITY AND UNIVERSITY SERVICES

- Alkhayat, S. (2021, November 30). Kuwait's Effort in Reducing Climate Change. Kuwait, Kuwait.
- Alsanad, A. (Performer). (2012, June 5). *Kuwait's Soil: An Overview*. Kuwait Foundation for Advancement in Science. A Perspective on Kuwait's Environment 2012, Kuwait City, Kuwait.
- Alsanad, A. (Performer). (2012, May 6-7). *National Communication to UNFCCC*. National Seminar on Climate Change Mitigation and Impacts in Kuwait, Kuwait City.
- Alsanad, A. (Performer). (2013, December 18). *Food waste in Kuwait*. Aljazeera Highschool, Alshamiya, Kuwait.
- Alsanad, A. (Performer). (2016, January 5). *Solid Waste in Kuwait Workshop*. Environmental Center, Alzahraa, Kuwait.
- Alsanad, A. (Performer). (2022, November). *Introduction to ETM (Armenian School Students)*. Kuwait, Kuwait.

## TEACHING ACTIVITIES

Code	Course Title	Approximate Section Size
CLS 101	Introduction to Environmental Sciences	25-60
CLS 105	Chemistry	15-20
CLS 109	Statistics	20
CLS 120	Humans and their Environment	25-60
CLS 122	Humans and Society	
CLS 139	Introduction to Environmental Technology Management	25-45
CLS 170	Introduction to Environmental Sciences (Arabic)	50-60
CLS 171	Humans and their Environment (Arabic)	50-60
CLS 221	Social Perspectives on Environmental Issues	25-45
CSS 134	Human and Environment Geography (Arabic)	70
ETM 088	Portfolio Review	5-8
ETM 310	Environmental Policies and Regulation	6-10
ETM 341	Global Change and Environmental Sustainability	6-10
ETM 422	Waste Management and Utilization	6-10
ETM 490	Special Topics in Environmental Technology Management	6
ETM 495	Internship	6
ETM 499	Capstone Project	6

## FIELD TRIPS AND SEMINARS

Field trips to places like EPA (4<sup>th</sup> ring road), Municipal landfills (7<sup>th</sup> ring road), Omniya recycling plant (Jahra), ABEK recycling plant (Kabd), Equate, Aljazaer greenhouse garden (Shamiya), KNPC (Ahmadi), and some beach cleanups (Shuwaikh). Seminars included guest speakers from KU-EPA and KISR.

## TEACHING AND EXAM TOOLS

Besides traditional teaching tools such as MS PowerPoint, supplementary tools such as PolleEV, MS Forms, and OneNote notebooks are frequently used to raise engagement. In-class exams are exclusively conducted via online platforms (since 2011) such as Blackboard and Moodle due to the variety of question types and ease of use. It is worth mentioning that some courses such as CLS 101 were 100% paperless.