

Maher T. Omar

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ACADEMIC QUALIFICATIONS

University Degree	Duration of study		Specialization	Date of Graduation	University/Country
	From	To			
Ph.D. Engineering Science	1992	1995	Geotechnical Engineering	June 1995	Southern Illinois University, USA
M.S. Civil Engineering	1990	1992	Geotechnical Engineering	July 1992	Southern Illinois University, USA
B.S. Civil Engineering	1986	1990	Civil	May 1990	Southern Illinois University, USA

ACADEMIC EXPERIENCE

Academic Rank/Position	Date of Obtaining Rank/Position			Name of University Granting Rank	Location/Country	Number of Years Holding the rank	
	Day	Month	Year			From	To
Director, Institute of Leadership in Higher Education	02	09	2018	University of Sharjah	Sharjah, UAE	2018	Present
Professor	04	06	2018	University of Sharjah	Sharjah, UAE	2018	Present
Chairman	01	09	2016	University of Sharjah	Sharjah, UAE	Sep. 2016	Sep. 2017
A/Chairman	01	01	2016	University of Sharjah	Sharjah, UAE	Jan 2016	Sep. 2016
Associate Chair for Academic (Internal)	01	09	2014	University of Sharjah	Sharjah, UAE	2014	January 2016
Acting Dean	01	07	2012	University of Sharjah	Sharjah, UAE	July 1	July 20
Chairman	01	09	2010	University of Sharjah	Sharjah, UAE	2010	2014
Associate Professor	01	09	2007	University of Sharjah	Sharjah, UAE	2007	June 2018
Assistant to Chair (Internal)	01	09	2006	University of Sharjah	Sharjah, UAE	2006	2010
Assistant Professor	01	09	2000	University of Sharjah	Sharjah, UAE	2000	2007
Visiting Assistant Professor	01	06	1997	Southern Illinois University	Carbondale, IL USA	1997	2000
Instructor	01	01	1996	Southern Illinois University	Carbondale, IL USA	1996	1997

PROFESSIONAL AWARDS

- Recipient, University Annual Incentive Awards 2020/2021 - Special Award Outstanding Services in Teaching & Learning in Addition to the Leadership Role in the University
- Recipient, University of Sharjah Annual Incentive Award for Distinguished Faculty Members - Teaching Category, 2017-2018
- Recipient, University of Sharjah Annual Incentive Award for Distinguished Faculty Members - University and Community Service Category, 2014-2015
- Recipient, University of Sharjah Annual Incentive Award for Distinguished Faculty Members - Teaching Category, 2013-2014
- Recipient, University of Sharjah Annual Incentive Award for Distinguished Faculty Members - Teaching Category, 2010-2011
- Recipient, University of Sharjah Annual Incentive Award for Distinguished Faculty Members - Teaching Category, 2007-2008
- Recipient, University of Sharjah Outstanding Teaching Award for Faculty, 2006-2007
- Recipient, University of Sharjah Outstanding Research Award sponsored by Bank of Sharjah for "Reliability based risk index for the design of reinforced earth structures".

OTHER RECOGNITION AWARDS

- Recipient, Certificate of Appreciation for the outstanding work done chairing the Organizing Committee, Annual Research Forum at the University of Sharjah, 2023
- Recipient, Certificate of Thanks and Appreciation for the success of the third Conference of Rectors of the Federation of Arab and Russian Universities, 2023.
- Recipient, Certificate of Thanks and Appreciation for participating in the future partner council hosted by municipality & planning department of government of Ajman, 2023
- Recipient, Certificate of Appreciation for heading panel for the design for future education competition, 2023.
- Recipient, Certificate of Appreciation for participating the UoS open day activities, 2023.
- Recipient, Certificate of Appreciation for serving on the scientific and organizing committees of the Sharjah international conference on education post Covid-19, 2022
- Recipient, Advising Champion Certificate after 10 hours of training provided by NACADA, 2022
- Recipient, Advising Champion Certificate after 20 hours of training provided by NACADA, 2021
- Recipient, Certificate of Appreciation on winning the Sharjah Sustainability Award of the best outstanding team in the domain of Applied Scientific Research category, 2021.
- Recipient, MBRU community ambassador certificate program helping to spread news on how to stay safe and get educated about COVID-19, 2020
- Recipient, Blackboard Associate Certification, 2019
- Recipient, Certificate of Appreciation on winning the Sharjah Sustainability Award of the best outstanding team in the domain of Applied Scientific Research category, 2019.
- Recipient, Certificate of Appreciation in recognition of winning the best outstanding team in the domain of Applied Scientific Research category in the 7th undergraduate research competition, Abu Dhabi, 2019
- Recipient, Certificate of Leadership on strategic instruction regarding services for university students with learning difficulties, September 2018
- Recipient, Certificate of Appreciation on winning the Sharjah Sustainability Award of the best outstanding team in the domain of Applied Scientific Research category, 2018.
- Recipient, Certificate of Leadership on completing "Strategic Instruction Workshop Regarding Services for University Students with Learning Difficulties", 2018
- Recipient, Certificate of Valuable Contributions, Time, and Efforts Chairing the Faculty Teaching Load Committee at the College of Engineering, April 2018
- Recipient, Certificate of Appreciation for the outstanding work done chairing the Organizing Committee, May 2018
- Recipient, Certificate of Thanks and Appreciation for the outstanding work done chairing the 2018 judging panel of Think Science Competition
- Recipient, Certificate of Appreciation for the valuable contribution and support towards ABET Re-Accreditation, 2017

- Recipient, Certificate of Completion of a 15-hour training program on “Development of Innovation, Entrepreneurship, Start up, Spin off, Incubation and Acceleration workshop”, October 2017
- Recipient, Certificate of Appreciation for the outstanding work done chairing the Organizing Committee, Annual Research Forum at the University of Sharjah, 2017
- Recipient, Certificate of Thanks and Appreciation for the outstanding work done chairing the 2017 judging panel of Think Science Competition
- Recipient, Certificate of Appreciation from ASCE International Student Group-University of Sharjah for the outstanding work done motivating, advising, supervising, and supporting the Club, 2016
- Recipient, Certificate of Thanks and Appreciation for the outstanding work done chairing the 2016 judging panel of Think Science Competition
- Recipient, Letter of thanks from Emirates Foundation, 2016
- Recipient, Certificate from Women Engineers Society for being the Funniest Professor in the Department of Civil & Environmental Engineering
- Recipient, Certificate of Thanks and Appreciation for the outstanding work done as part of the organizing committee Annual Research Forum at the University of Sharjah, 2016
- Recipient, Certificate of Thanks and Appreciation for effective participation, great contribution through the UAE Innovation week Nov. 22-28, 2015
- Recipient, Certificate of Thanks and Appreciation for effective participation in the UAE Innovation week Nov. 22-28, 2015
- Recipient, Certificate of Attendance of IT Orientation Day, Fall 2015
- Recipient, Certificate of Competence in Learning & Teaching in Higher Education, 2015
- Recipient, Certificate of Appreciation, Faculty advisor for the 3rd United Arab Emirates Undergraduate Student Research Competition (UGSRC), 2015
- Recipient, Certificate of participation for presenting a workshop titled “Student Learning Outcomes and Assessment”, 2015
- Recipient, Certificate of participation for presenting a workshop titled “Program Self Study”, 2015
- Recipient, Certificate of Thanks and Appreciation, organizing committee of the UoS Annual Research Forum “Innovation & Emerging Research Directions”, 2015 & 2016
- Recipient, Certificate of Thanks and Appreciation, organizing committee of the 5th International Arab Conference on Quality Assurance in Higher Education (IACQA2015)
- Recipient, Certificate of Thanks and Appreciation, Co-Chair of Judging Committee for "Think Science Competition", 2013 to 2015
- Recipient, Certificate of Thanks and Appreciation, organizing committee of the 14th International Conference on Construction Applications of Virtual Reality in Construction (CONVR 2014)
- Recipient, Certificate of Thanks and Appreciation, Chair of the organizing committee of the 4th Intel Science Competition- Arab World, Amman, Jordan, October 26th-29th, 2013.
- Recipient, Certificate of Participation and Appreciation, "open day on “Knowledge Economics” organized by ISESCO, November 25th, 2013.
- Recipient, Certificate of Participation and workshop Completion, workshop titled “Using City Engine for Urban Planning” as part of GISWORKX 13 held at the Rotana Hotel, Dubai on April 4th, 2013.
- Recipient, Certificate of Appreciation from Minister of Education, Chair of Judging Committee, Intel Science Competition- Arab World, December 2012
- Recipient, Certificate of Participation, “Pile Integrity and Rehabilitation of Concrete Structures” seminar held at the Courtyard by Marriott, Dubai, February 6th, 2012.
- Recipient, Certificate of Thanks and Appreciation, Chair of the organizing committee of the Intel Science Competition- Arab World, University of Sharjah, November 27th-30th, 2011.
- Recipient, Certificate of completion, “Leadership in Higher Education” workshop as part of University of Sharjah faculty Continuous Development Program, December 10th, 2011.
- Recipient, Certificate of Appreciation, Organizing Committee, 7th annual scientific research forum, 2011
- Recipient, Certificate of Appreciation, Contribution to Success of the Enrollment Management and Academic Guidance Unit’s Events, 2011

- Recipient, Certificate of Thanks & Appreciation for participation in Intel International Science and Engineering Fair (ISEF 2011) Grand Judging Committee, May 2011
- Recipient, Certificate of completion, "Team-Based Learning (TBL) in Higher Education" workshop as part of University of Sharjah faculty development program, March 24-25, 2011.
- Recipient, Certificate of Thanks & Appreciation for participation in Intel Science Competition-Arab World (ISCArab 2010) Judging Committee, December 2010
- Recipient, letter of appreciation from chairman for contribution to preparing the CE Program ABET Accreditation, September 2010
- Recipient, Certificate of completion, "Team-Based Learning (TBL) in Higher Education" workshop as part of University of Sharjah faculty development program, November 16-17, 2009.
- Recipient. Certificate of Appreciation, Advisory Committee, Pilling and Foundation Forum at Monarch Hotel, Dubai, 2009
- Recipient, Certificate of Appreciation, Scientific Committee, 4th Student Conference at University of Sharjah "University we need", 2009.
- Recipient, Certificate of Appreciation, Best Research Group "Hazards and Engineering Risk Management Research Group", the 4th annual scientific research forum, 2008.
- Recipient, letter of appreciation from chairman for contribution to CE Program Accreditation Preparations, 2008
- Recipient, Certificate of Thanks & Appreciation, Scientific Committee, Second Student Conference at University of Sharjah: National identity and the role of students in promotion, 2008
- Recipient, (SUP9) Certificate of Appreciation, Government of Sharjah, Directorate of Town Planning and Survey, 2006.
- Recipient, Certificate of Appreciation, chair of the organizing committee of the International Conference on Geotechnical Engineering, University of Sharjah, 2004
- Recipient, Certificate of Thanks & Appreciation, Sharjah City for Humanitarian Services, 2004.
- Recipient, (SUPS) Certificate of Appreciation, Government of Sharjah, Directorate of Town Planning and Survey, 2004.
- Recipient, Certificate of Thanks & Appreciation, Women Engineering Society, University of Sharjah, 2004
- Recipient, (SUPS) Certificate of Appreciation, Government of Sharjah, Directorate of Town Planning and Survey, 2003.
- Recipient, Certificate of Appreciation, College of Engineering 1st Volleyball Tournament, UOS, 2003
- Recipient, Certificate of Appreciation, Emirates Environmental Group, Inter-College Public Speaking Competition (Supporting Faculty), 2003
- Recipient, Certificate of Appreciation, International Environmental Design Competition, UAE University, 2002
- Recipient, ISC Achievement Award, International Student Council, SIU, 1996
- Recipient, Recognition Award, First International Leadership Conference, SIU, 1996
- Recipient, ISC Outstanding Chairman, International Student Council, SIU, 1995-1996
- Recipient, Certificate of Appreciation, ISC World Cup Committee, SIU, 1995
- Recipient, AISC/ASCE Steel Bridge Competition Award (Organizer), SIU, 1994
- Recipient, ASCE Stress & Strain Award, 1994
- Recipient, ASCE Super Achiever Award, May 1992

PROFESSIONAL REGISTRATION

- Professional Engineer in Training (E.I.T.), Illinois

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member, Tau Beta Pi, National Engineering Honor Society
- Member, Phi Kappa Phi, National Honor Society

COURSES & PROFESSIONAL DEVELOPMENT (Sample)

- Attended a workshop on Exams Regulations and Policies, April 25th, 2023.
- Attended a workshop on Beyond Traditional Testing: Exploring Alternative Assessments in the Age of AI, May 3rd, 2023.
- Attended the SoTL Brown Bag Gathering, April 12th, 2023.
- Attended a workshop by the chronicle on ChatGPT and Other Cutting-Edge Learning Tech, Mar 8th, 2023.
- Attended a workshop on The Future of Education with AI Chatbots: Challenges, Opportunities and Implications, February 8th, 2023.
- Attended the Future Education Forum” that will take place at the World Government Summit, February 13th to 15th 2023.
- Attended a workshop on Utilizing AI Chatbots in Teaching & Learning, February 20th, 2023.
- Attended the Education Summit '23, June 29th - 30th, 2023.
- Attended a workshop on Leadership, Communication Skills & Staff Management, June 7th- 8th, 2023.
- Attended a workshop on Coursera Conference 2023, April 13th, 2023.
- Attended a webinar on Generative AI & ChatGPT: Reshaping Online Learning, March 2023.
- Attended a workshop on Turning Ideas into Startups, March 20th, 2023.
- Attended a workshop on Design Thinking Workshop, March 30th, 2023.
- Attended a workshop on 2030 Strategy Development aimed at exploring new ideas and shaping the future of our university, March 9th, 2023.
- Attended a mini symposium titled "Applications of Unmanned Aerial Vehicles (UAVs) for Traffic Operations and Safety Analysis”, June 15, 2023
- Attended the MENA Smart Campus Summit 2022, September 22nd, 2022.
- Attended a workshop on Moving from Teacher-Centered to Student-Centered Learning, October 13th, 2022.
- Attended a workshop on Rethinking Examinations in Higher Education, October 5th, 2022.
- Attended the University of Sharjah 2022 Strategic Conference. The theme of the conference will be the future of employability, December 8th, 2022.
- Attended a seminar on Artificial Intelligence in Geotechnical Engineering: Modelling Aspects & Applications, December 6th, 2022.
- Attended a workshop on How Does Learning Work Best Using Emotional Intelligence, September 27th, 2022.
- Attended a workshop on Effective Instructional Designing for Employability, September 21st, 2022.
- Attended a seminar on Bridging the Work Readiness Gap: A Multistakeholder Approach to a Sustainable Future, November 22nd, 2022.
- Attended a webinar on A Culture of Academic Integrity, October 20th, 2022.
- Attended a third international rakaez conference - sustainable education is the future, October 12th, 2022.
- Attended the open meeting with new UOS students, 2022.
- Open Day activities organized by the University's Academic Guidance program for high school students to give both high school students and their families a chance to meet faculty members, learn about UOS colleges and their programs, and to get a close look at UOS services and academic, research, and social facilities.
- Attended a Symposium on High Impact Educational Practices, King Fahd University of Petroleum & Minerals, February 15th, 2022.
- Attended a workshop on Post-Award: Research Funding Opportunities-Grants and Guidelines, UoS, February 24th, 2022.
- Attended the Top Hat Summer Camp to assist faculty members in strengthening their pedagogical skills. The virtual training camp ran for two days, and the topics covered include practical student engagement, inclusive pedagogies, high-impact teaching practices, academic integrity, and assessments.
- Attended numerous professional development events related to teaching and learning, including those organized by Blackboard Inc., the Institute of Leadership in Higher Education (ILHE), College of Engineering, and other colleges in the University.

- Attended and made presentations at academic conferences during the session. The conferences and forums include the following: AUE International Conference, UoS Post-COVID 19 Teaching Conference, UoS 3rd Teaching and Learning Forum, and the UoS COHASS Conference.
- Completed the cyber security assignment, Data Protection, given by UOS-ITC, October 17th, 2021.
- Attended a discussion on Finding Balance with Face-to-Face and Hybrid Learning for meaningful Classroom Experiences, September 7th, 2021.
- Attended a seminar on Corporate Upskilling and Reskilling: Trends from 2021 and Strategies for the Future, Stuart at Simplilearn, November 3rd, 2021.
- Attended a seminar on Leadership and Innovation During a Crisis, The Chronicle of Higher Education, October 18th, 2021.
- The Community Colleges Students Need Now, The Chronicle of Higher Education, November 4th, 2021.
- Attended a seminar on The Future of Enrollment in the U.S., The Chronicle of Higher Education, December 6th, 2021.
- Attended a seminar on Leadership for the Greater Good, UoS, October 17th, 2021.
- Completed 40-hour course to become a “blackboard certified practitioner” for designing digital teaching and learning - University of Sharjah, 2021
- Attended the third Annual University of Sharjah Strategy Conference, October 2021
- Attended J-WEL Connections, a digital gathering for senior university leadership, 2021
- Completed the cyber security class on mobile security awareness, 2022.
- Attended the ASU+GSV Virtual Summit 2022, “Ed on The Edge”, April 2022
- Attended Bluenotes GLOBAL 2022 Conference, July 2022
- Attended the workshop organized by the College of Graduate Studies on “SciVal for University of Sharjah”, September 2021
- Attended and presented in the University KPI workshop, September 2021
- Attended the Know Talks webinar "Reskilling: Defining the New Normal" organized by Mohammed bin Rashid Al Maktoum Knowledge Foundation and the United Nations Development Program, June 2021.
- Attended, Research Café Talks (14th, 15th, 16th), October 2021 to February 2022
- Attended the open meeting with new UOS students.
- Open Day activities organized by the University’s Academic Guidance program for high school students to give both high school students and their families a chance to meet faculty members, learn about UOS colleges and their programs, and to get a close up look at UOS services and academic, research, and social facilities.
- Completed 40-hour course to become a “blackboard certified practitioner” for designing digital teaching and learning – University of Sharjah, February 2021
- Recipient, Advising Champion Certificate after 20 hours of training provided by NACADA, 2021
- Attended Bluenotes GLOBAL 2021 Conference, August 2021
- Participated in a three-week workshop organized by the University of Sharjah (Al Dhaid branch) on “Road to Job Market”, November 2021
- Attended, Digital Leadership Symposium: Unlocking the Future organized by the College of Business Administration, March 2021
- Completed a training workshop on generating online exams/pools using excel-word-respondus4, October 2020
- Attended the ASU+GSV Virtual Summit 2020, “Supporting Learners Through AI-enabled Language Learning Solutions”, September 2020
- MBRU community ambassador certificate program helping to spread news on how to stay safe and also get educated about COVID-19, 2020
- Trained and Certified as Blackboard Associate - Provide support to colleagues on the appropriate use of the BB tools and functionalities, 2019.
- Attended the World Conference on Blended Learning, WCBL 2019
- Attended the Social Leader Workshop for Executives as part of the world’s digital transformation, 2019.
- Attended a seminar titled “keep the innovation engine running”, Feb. 2019
- Attended the Blackboard Teaching and Learning Conference RMEA, March 2019
- Attended the first health profession education symposium of 2019 titled; “Assessment in Health Professions Education; Challenges and Opportunities, 2019

- Attended the EDUCATION EXCHANGE MENA bringing together decision makers involved in regulating, financing, leading, equipping and improving education delivery, Nov. 2019
- Attended a special seminar on Student Success in Higher Education: definitions, data and innovation, Nov. 2018
- Attended the UoS Education Forum “Innovative Teaching & Learning Methods”, 2018
- Attended a workshop on “PhD Program Accreditation”, 2018
- Attended a lecture on enzyme induced calcite precipitation for soil improvement applications, June 2018
- Attended a roundtable discussion on “eLearning at the Business School at the University of New South Wales”, 2018
- Attended a lecture on “Student Success in Higher Education”, 2018
- Attended the QS Stars Audit Ceremony, March 4th, 2018.
- Attended the Global Infrastructure Congress, April 2-3, 2018.
- Attended the Island Development Middle East Conference, Dec 2017
- Completed a 15 hour training program on “Development of Innovation, Entrepreneurship, Start up, Spin off, Incubation and Acceleration workshop”, October 9th-11th, 2017
- Round Table Discussion possible cooperation with the Portuguese University, 2017
- Attended a seminar on Developing climate supportive of creativity using LEGO SERIOUS PLAY, 2017
- Attended a Conference, IQPC Island Development Middle East Conference, Dubai, United Arab Emirates, 5 - 6 December 2017.
- Attended a Conference, 12th Middle East Dry mix Mortar Conference, University of Sharjah, United Arab Emirates, 26 November 2017.
- Attended a Seminar on Intellectual Property, Tuesday 19th of September 2017
- Attended Smart Sustainable Transportation Summit, September 18th – 19th, Dubai.
- Attended a Conference, Underground Infrastructure & Deep Foundations Middle East, 13-15 November 2017, Dubai, UAE
- Attended a coordination meeting towards signing a MOU between University of Sharjah and Sharjah Directorate of Town Planning and Survey, October 5, 2017
- Unveiling of Joint Research Opportunities between Middle East Universities and Malaysia’s PETRONAS-owned UTP in the context of Recent Oil Price Decline, 2016
- Round Table Discussion on Research and Innovation Towards Serving the Society
- Attended a workshop on “Designing an Instructional Plan Incorporating Research-based Instructional Strategies”- Last two hours.
- Attended a seminar on conducting research and publishing in higher education.
- Attended a seminar on the criteria for ranking universities internationally.
- Attended a seminar on evolutionary computing in hydrology and water engineering.
- Attended a Round table discussion for potential collaboration with MIT, 2016
- Attended a seminar on “High Speed Imaging at the Nanoscale”, 2016
- Attended a seminar on “Moving R&D in Malaysia Towards Global Prominent”, 2016
- Attended two Science-Engineering collaboration meetings to develop an understanding of the issues and challenges of teaching and to enhance research collaboration between sciences and engineering, 2016.
- Attended an event titled “UOS EXPLORE” hosted by the Women’s Student Council, Men’s Student Council and Engineering Societies, in University of Sharjah. The purpose of the event is to shine the light on students with inspiring and motivational experiences and stories, therefore giving them the chance to shine as well as to create a drive-in other student towards achievement and self-development, 2016.
- Attended a seminar titled “Solving Challenges in Water Environments with MIKE powered by DHI software, 2016.
- Attended the College of Engineering Internship and career fair 2016 organized by Career Advising & Student Training Office, 2016
- Attended a seminar titled “Introduction to Electron Microscopy”, 2016
- Attended a seminar titled “Bridge Deterioration Modeling using the Markov Chains Stochastic Model”, 2016
- Attended a seminar titled “Paradigm shifting in Higher Education: How to respond the challenges in drawing a balance between market-driven & philosophical Codes”, 2016
- Attended a seminar titled “Transportation Noise and Vibration Analysis”, 2016

- Attended a seminar titled “The Multi-disciplinary Academic Research Database Center”, 2016
- Attended a seminar titled “The wondrous world of science”, 2016.
- Completed 3-days workshop on “Competence in Teaching and Learning In Higher Education”, 2015
- Attended a seminar titled “Registration Guidance”, 2015
- Sustainable Energy: an overview, 2015
- Attended a seminar titled “Quantification of the Scientific output of Individuals and Institution: an overview”, 2015.
- Attended a seminar on "Swift Assess", an Assessment Software, 2015
- Attended a seminar "Introduction to Intellectual Property Rights & their Economic Importance."
- Attended the “Bottles-Up Competition” organized women engineering clubs in the college, 2015.
- Attended a seminar on “Asphalt Dynamic Testing”, February 10th, 2014.
- Attended the “Arabian Conference on Education (Excellence 3) - Smart School is a Strategic Choice”, Dubai, February 9th, 2014.
- Attended the “2nd Regional Geospatial Scientific Summit (GSS)”, November 27th, 2013.
- Attended an open meeting for new students on “advising”, January 28th, 2014.
- Attended an open day on “Knowledge Economics” organized by ISESCO, November 25th, 2013.
- Attended a seminar on enriching the learning environment using e-learning resources and advanced technology to stimulate student learning entitled "Wiley plus e-learning: How to enrich student learning recourses with online support materials", 2013.
- Attended a workshop titled "National Qualification Framework Emirates and Program and Course Outcomes and assessment, Sunday March 3rd, 2013.
- Attended a workshop titled “Quality Enhancement in Higher Education”, February 2013 organized by the Commissioner for Academic Accreditation, UAE.
- Attended a workshop titled “Using City Engine for Urban Planning” as part of GISWORKX 13 held at the Rotana Hotel, Dubai on April 4th, 2013.
- Attended a workshop titled “National Academic Degrees Standards” organized by Academic Accreditation Commission in the UAE, December 6th, 2012.
- Attended a seminar titled “Pulstar Reactor at NCSU” organized by the Nuclear Engineering Program, November 28th, 2012.
- Attended a seminar on “Pile Integrity and Rehabilitation of Concrete Structures”, February 2012.
- Attended Workshop on “Leadership in Higher Education” workshop as part of University of Sharjah faculty Continuous Development Program, December 2011.
- Attended a seminar as UOS official representative on the “New 2011 Standards for Licensure and Accreditation”, September 2011.
- Attended Workshop on “Team-Based Learning (TBL) in Higher Education”, March 2011
- Attended a forum on “Strategic Direction for Joint Programs and Academic Activates”, November 2010
- Attended Workshop on “Team-Based Learning (TBL) in Higher Education” November 2009
- Attended Lecture on “University of Sharjah Strategy-Direction in Research” April 2009
- Attended the second knowledge forum: the Future of Energy – Alternatives & Future Trends, Sharjah Tatweer, 2009
- Attended (selected by top administration), 2nd Workshop on the University of Sharjah Strategic Planning: Teaching & Learning, Feb. 2008
- Attended (selected by top administration), 1st Workshop on the University of Sharjah Strategic Planning: Teaching & Learning, Dec. 2007
- Attended (selected by top administration), Workshop on Motivating Teaching & Learning: Approaches to quality Enhancement, organized by UOS in cooperation with the British Council, Dec. 2007
- Attended, the annual training Program for faculty members: Effective Assessment and Grading of Students Learning, August 2007.
- Attended, Workshop on Setting Up a Regional Research and Development and Education and Training Capability in Engineering Asset Management, 2006

- Attended, Symposium & Workshop on Outcome-Based Education and Assessment, 2006
- Attended, The State of IT at the University of Sharjah “Reality & Ambition”, 2005
- Attended, Student advising workshop, University of Sharjah, 2005
- Speaker, International Recruitment & Retention Conference, SIUC 1998-1999
- Chairman, International Leadership conference, SIUC 1996-1998
- Attended, Non-Discrimination & Sexual Harassment Workshop, SIUC 1999
- Courses Taken: Managerial/Organizational Behavior, Managerial Accounting & Control, Professional Development Dimensions

COURSES TAUGHT/DEVELOPED/COORDINATED

#	Course Name	Graduate/ Undergraduate	Organization
1	Introduction To Engineering	Undergraduate	University of Sharjah
2	Geotechnical Engineering 1	Undergraduate	University of Sharjah
3	Geotechnical Engineering 2	Undergraduate	University of Sharjah
4	Geotechnical Engineering 2 Lab	Undergraduate	University of Sharjah
5	Foundation Engineering	Undergraduate	University of Sharjah
6	Foundation Engineering 2	Undergraduate	University of Sharjah
7	Senior Design Project - I	Undergraduate	University of Sharjah
8	Senior Design Project - II	Undergraduate	University of Sharjah
9	Individual Project	Undergraduate	University of Sharjah
10	Statics	Undergraduate	University of Sharjah
11	Mechanics Of Materials	Undergraduate	University of Sharjah
12	Structural Analysis 1	Undergraduate	University of Sharjah
13	Environmental Geotechnology	MSc	University of Sharjah
14	Soil Improvement	MSc	University of Sharjah
15	Soil Dynamics	MSc	University of Sharjah
16	Advanced Soil Mechanics	MSc	University of Sharjah
17	Rock Mechanics	MSc	University of Sharjah
18	Intro. to Geo-environmental Eng.	Enviro. Minor	University of Sharjah
19	Environmental Friends & Volunteers	Undergraduate	University of Sharjah
20	Geotechnical Earthquake Engineering	PhD	University of Sharjah
21	Theoretical & Computational Soil Mechanics	PhD	University of Sharjah
22	Unsaturated Soil Mechanics	PhD	University of Sharjah
23	Advanced Geotechnical Engineering Laboratory	PhD	University of Sharjah
24	Advanced Foundation Engineering	PhD	University of Sharjah
25	Engineering Mechanics (Statics)	Undergraduate	Southern Illinois University
26	Structural Analysis	Undergraduate	Southern Illinois University
27	Structural Steel Design	Undergraduate	Southern Illinois University
28	Reinforced Concrete Design	Undergraduate	Southern Illinois University
29	Mech. of Deformable Bodies	Undergraduate	Southern Illinois University
30	Mech. of Deformable Bodies Lab	Undergraduate	Southern Illinois University

31	Senior Design Project - I	Undergraduate	Southern Illinois University
32	Senior Design Project - II	Undergraduate	Southern Illinois University

PUBLISHING CASE STUDIES ON ENGINEERING EDUCATION/ HIGHER EDUCATION

I have been publishing case studies comparing and contrasting the effectiveness of teaching methods and techniques. They appeared locally & internationally. Titles are:

- Opportunities in Disruption: Higher Education in the Post COVID-19 Era
- Impact of Service Quality on Student Retention in UAE Higher Education Institutions
- Challenges and Opportunities of Multi-Disciplinary, Inter-Disciplinary and Trans-Disciplinary Research
- Improving Student Retention in Higher Education Institutions - Exploring the Factors Influencing Employees Extra-Role Behavior
- Using Learning Analytics to Understand Students' Learning Behaviors for Creating Meaningful Personalized Learning Environments
- Enhancing Online Teaching Practices for Undergraduate Physics Students: Perspectives during the COVID-19 Pandemic
- Sustaining the Quality of E-Learning in Trying Educational Climates
- Opportunities in Disruption: Higher Education in the Post COVID 19 Era
- Challenges and Opportunities of Multidisciplinary, Interdisciplinary & Transdisciplinary Research
- Student Early Warning Indicator at University of Sharjah (SEWI)- Proposed System
- Efforts to Maximize the Success of Students on Probation
- Senior Design Project Experience at Department of Civil & Environmental Engineering at University of Sharjah, United Arab Emirates
- Sustainable Public Transportation Potential at Sharjah University City
- Interdisciplinary Project-based Collaboration - An Effective Approach for Integrating Sustainable Development into Design-based Courses.
- Thoughts Prior To Introducing Earthquake Engineering To the Civil Engineering Curriculum: Internal & External Efforts.
- Developing New Technology-Related Bachelor Programs in The Middle East Sustainability and the Changing Culture of Civil Engineering Education: a Case Study from the University of Sharjah
- Transportation Engineering Education in Undergraduate Civil Engineering Curricula in The Middle East
- Accreditation and Program Assessment
- Thoughts on University Industry Relations
- Shaping Engineering Education in the Region – A Report on Four Engineering Education Conferences Held at the University of Sharjah
- Another Dimension of Student Engagement - Student Satisfaction Survey
- From course Learning Outcomes to Program Objectives-Based Assessment
- Students Recruitment and Retention-areas for improvement
- Perceptions on Effective Engineering Education
- Strengthening the Collaboration between University and Industry
- Linking Teaching, Research and Community Service
- Engineering Faculty in the 21st Century: Extending the Lecture
- Developing Generic Skills Starting Year One-Introduction to Engineering

ADVANCING TEACHING & LEARNING

- Chair of Organizing Committee & Member of Preparation Committee, involved in all aspects of the 15th Annual Research Forum, 2023
- Organizing Committee, third Conference of Rectors of the Federation of Arab and Russian Universities, 2023.
- Chair of judging panel, design for future education competition, 2023.

- Member, scientific and organizing committees of the Sharjah international conference on education post Covid-19, 2022
- Chair of Organizing Committee & Member of Preparation Committee, involved in all aspects of the 14th Annual Research Forums, 2022
- Served on the scientific and organizing committees of the Sharjah international conference on education post Covid-19 bringing together the world's leading academics, scholars, and researchers in a very stimulating hybrid setting to tackle challenges that have been encountered during the past 18 months and discuss the readiness of academic institutions for education post covid-19.
- We developed and floated two short online courses, i.e., academic integrity and anti-bullying. The courses aim to help students develop a better understanding of academic integrity and the need to avoid the act of bullying each otheremic institutions for education post covid-19, 2022.
- Led a program on successful online exams from faculty perspectives and gave a talk on Understanding Students Attitudes in Online Exams. The aim of the program, 2022
- Through the Institute of Leadership in Higher Education (ILHE), I heavily contributed to the development of the hybrid learning model to be adopted at the University, 2022
- Nominated by the Board of Trustees of Rashid Bin Humaid Award for Culture and Science to serve as judge in this prestige's award, 2022.
- Task force to coordinate the agenda of the 2021 Strategy Conference with relevant participants and presenters, 2022.
- Through the VCAA office, I along other colleagues in ILHE developed the Peer Observation of Teaching Initiative to offer the opportunity for faculty members to engage in mutually beneficial professional engagement, 2022.
- As advised by the VCAA, I was asked to coordinate the inclusion of selected skills of 2025 into the GE courses, identify and share any possible challenges that could affect their implementation, plan of how the selected skills will be incorporated, 2022.
- Led twice a program on successful online exams from faculty perspectives and gave a talk on Understanding Students Attitudes in Online Exams, 2022
- We organized the Summer Camp to enhance our EFLI students' leadership, entrepreneurial, and employability skills. Based on the recommendations of the Vice Chancellor for Academic Affairs, we consulted one of the University's partners in Malaysia (The National University of Malaysia) for the camp, 2022
- Part of University team engaged in intellectual discussion on strategies adopted to address the challenges posed by COVID-19 with the University of Pennsylvania. The discussion was focused around the UAE's tertiary education system, 2022
- Organized and facilitated an international scholarly forum on challenges, coping strategies and opportunities for transformation in the COVID-19 time, January 2021
- Developed the hybrid-learning model adopted at the University in fall 2021/2022. Clarified the conceptualization of hybrid learning, critical elements, and essential pedagogical practices in hybrid learning.
- Developed and launched the "Emirati Future Leadership Program" to provide the outstanding Emirati students with leadership training, 2021.
- Developed a university elective course to support the smooth transition of our fresh undergraduate students from the high school to the University environment.
- Developed an online academic integrity course to help students develop a better understanding of academic integrity and the need to shun any form of academic malpractice, 2021.
- Organized the holistic student advising training along with the National Academic Advising Association (NACADA), 2021
- Planned and hosted the student virtual conference under the title "Online learning from students' perspectives: challenges and good practices".
- Chair of Organizing & Scientific Committees, 2nd Teaching and Learning Forum "Integrating Technology into Teaching and Learning", February 26th, 2019, Sharjah, United Arab Emirates.
- Chair of Organizing Committee, Leadership in Higher Education in the Middle East Conference, November 2019, Sharjah, United Arab Emirates.
- Chair of Organizing & Scientific Committees, 8th International Forum on Engineering Education (IFEE2017) "Advances in Engineering Education" Jointly with 4th International

Conference towards Sustainable Development (ICTSD2017) “Educating Engineers for Sustainability, UOS

- Co-Chair of Scientific & member of Organizing Committees, International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), UOS
- Chair of Organizing Committee & Member of Preparation Committee, involved in all aspects of the 10th, 11th, 12th, and 13th Annual Research Forums
- Organized with a colleague through the Department & RISE a workshop on February 1, 2018, focusing on fundamental principles that underlie current and anticipated developments in geotechnical engineering (Bio-mediated & Bio-inspired Geotechnics)
- Organized with colleagues through the Department & RISE a workshop on Fiber Reinforced Concrete, materials, applications, and design aspects in Collaboration with the University of Brescia in Italy, 2018
- Organizing Committee, 14th International Conference on Construction Applications of Virtual Reality in Construction (CONVR 2014), UOS, 2014
- Chair of Organizing & Scientific Committees, 7th International Forum on Engineering Education (IFEE2015) "Quality Assurance in Engineering Education" Jointly with 3rd Towards Sustainable Development (3rd TSD2015) Conference "Sustainable Development in Engineering Education, Research and Practice"
- Proceedings of the Advances in Sustainable Construction Materials & Civil Engineering Systems, 18-20 April 2017, University of Sharjah, UAE
- Proceedings of the 8th International Forum on Engineering Education, University of Sharjah, 2018
- Co-authored an edited book on Engineering Education: “Quality Assurance in Engineering Education”. Publisher: University of Sharjah (350 pages), ISBN: 978-9948-10-122-0
- Co-authored an edited book on Engineering Education: Engineering Education in the 21st Century - Quality, Globalization and Local Relevance, ISBN: 9948-10-098-0
- Organizing Committee, 5th International Arab Conference on Quality Assurance in Higher Education
- Co-Chair of Judging Committee, "Think Science Competition", (2014, 2015, 2016, 2017, 2018, and 2019), Emirates Foundation for Youth Development.
- Jointly with other colleagues conducted two workshops in different locations in Sharjah and Abu Dhabi. The number of beneficiaries was over 1000 from high school students and teachers, the following are the deliverables (2014, 2015, 2016, 2017, and 2018):
 1. Interactive Session 1: How to make and present your project
 2. Interactive Session 2: Judging criteria
- Conducted two workshops as part of the 5th International Arab Conference on Quality Assurance in Higher Education (IACQA 2015), the deliverables are Student Learning Outcomes and Assessment & Program Self Study
- Chair of Judging Committee, 4th Intel Science Competition- Arab World, October 2013.
- Workshop Facilitator, "National Qualification Framework Emirates and Program and Course Outcomes and assessment", Sunday March 3rd, 2013.
- Chair of Judging Committee, Intel Science Competition- Arab World, December 2012.
- Chair of Organizing Committee, Intel Science Competition- Arab World, University of Sharjah, November 27th-30th, 2011.
- Chair of Organizing Committee, 5th IFEE Conference, 2010, “Engineering Education in the 21st Century: Quality, Globalization and Local Relevance”.
- Organizing Committee, 4th IFEE Conference, 2006, “Eng Education – Integrating Teaching and Research with Community Service”.
- Organizing Committee, 3rd IFEE Conference, 2003 “Engineering Education & Building Partnership with Government, Industry & Society”
- Organizing Committee, 2nd IFEE Conference, 2002, “Generic Attributes in Engineering Education-Issues and Development”.
- Organizing Committee, 1st IFEE Conference, 2001 "The Changing Role of Engineering Education in the Information Age-Innovation and Tradition”
- Chair of Organizing Committee, “International Conference on Geotechnical Engineering 2004”, 3-6 October 2004, Sharjah, UAE.

RECENT COMMITTEE (UNIVERSITY & COMMUNITY) MEMBERSHIP

- Coordinator, University General Education Courses - Skills of 2025
- Member, University Leadership Role of the University in the World Expo 2020
- Member, University 2021 Strategy Conference Task Force
- Member, ILHE committee to develop Short Online Courses (Academic Integrity and Anti-Bullying) for UoS Students
- Coordinator, University General Education Courses - Skills of 2025
- Member, University Academic Advisory Council
- Member, University Brand Strategy Steering Committee
- Member, University Committee on Innovation and Development in Teaching
- Member, University Brand Strategy Steering Committee
- Member, Emirati Scientists, Scholars, Researchers and Educators Committee
- Member, University Consortium for Quality Online Learning
- Co-chair, University Onsite Exams committee
- Member, University e-Teacher Committee
- Member, Permanent University Central Committee for the General Education Program (University Requirements)
- Member, University Covid-19 Website
- Member, University COVID-19 Interim Strategy
- Member, University Strategic Champions Committee of Teaching and learning in the UoS Strategic plan 2019/2023.
- Chair, Central Committee for Investigating Cheating Cases in Online Exams
- Member, UoS - Huawei Partnership Committee
- Member, University Committee to revise the VCAA related policies and procedures.
- Member, University committee to plan the adoption of innovative teaching and learning approaches.
- Chair, University Central Learning Environment Committee
- Chair, Advisory Board Committee for the Institute of Leadership in Higher Education
- Chair, Executive Board Committee for the Institute of Leadership in Higher Education (ILHE)
- Chair, University Learning Environment Committee
- Member, University Central Committee for Integration of Research in Teaching and Learning
- Member, University Graduate Studies Council
- Permanent Member, University General Education Program (University Requirements) Committee
- Member, University Strategic Champions Committee of Teaching and learning in the UoS Strategic plan 2019/2023.
- Member, College team to review the proposal for Doctor of Philosophy in Engineering Science
- Chair, College Teaching Load Reduction Committee to recommend short-and long-term actions and strategies to reduce the teaching load of faculty in the College of Engineering
- Member, University Central Study Plans and Curricula Committee
- Member, University Innovation and Development in Teaching Committee
- Member, University Preparation Committee of 2017 UI Green Metric World University Rankings on Sustainability
- Chair, Department ABET Steering Committee and member of the ABET Accreditation Committee
- Member, PhD Program Development & Response Committees
- External Examiner, academic collaboration between the Civil Engineering Department at University of Sharjah and Arrowad Colleges in Saudi Arabia
- Member, College special committee to study the AE proposed ABET-related curriculum changes. The committee carefully reviewed and revised the program and provided options to help meet ABET Criteria. The recommended changes were approved by the university curriculum committee.
- Elected faculty, University Academic Advisory Council (UAAC). The objective of the UAAC is to promote and encourage the active participation of faculty members and students, together with the University Administration, in matters related to academic strategic directions, institutional effectiveness, and academic services and activities in

support of teaching and research. The UAAC shall also review all proposals submitted by the colleges and provide consultations and recommendations to the Deans Council with respect to adopting such proposals.

- Chair, Department ABET Steering Committee
- Member, Department new PhD Program Development Committee
- Member, University SACS accreditation Preparation Committee
- Board Member, Innovations in Construction, Asphalt & Transportation (ICAT) Conference
- Member, Advisory board for the Center of Entrepreneurship, University of Sharjah
- Member, UOS Institutional Effectiveness and Academic Accreditation Committee
- Co-Chair of Judging Committee, Think Science Competition, organized by the Emirates Foundation for Youth Development
- Chair of Judging Committee, Intel Science Competition- Arab World, University of Sharjah
- Scientific Committee, 6th International Forum on Engineering Education, Kuala Lumpur, Malaysia
- Chair of Organizing Committee, Intel Science Competition- Arab World
- Member, Department ABET Accreditation and Assessment Committee
- Member, UOS committee for enrolment management
- Member, University Questionnaires Committee
- Member, College Faculty Selection/Contract Renewal Committee
- Chair of Organizing Committee, 1st to 13th UoS Annual Scientific Research Forum
- Part of a university committee formed by the Chancellor charged to prepare a plan and put it in action to promote all University programs in cooperation with the colleges and various departments.
- Member, University of Sharjah Strategic Planning committee
- Member, University of Sharjah Graduate Studies Council
- Part of a university committee formed by the Chancellor, charged to "Design & Generate PowerPoint Course Notes" for the new university elective "Advising & Guidance".
- Member, University of Sharjah student discipline committee
- University Representative, Emirates of Sharjah committee for environmental education & awareness
- Organizing Committee, Engineering Solutions & Risk Management-Selected Topics, Workshop
- Organizing Committee, Accreditation, Assessment & Future Outlook for Civil & Environmental Engineering Education workshop
- Scientific Committee, 2nd, 3rd and 4th Student Conference at University of Sharjah
- Chair of Local Organizing Committee, International Forum on Islamic Architecture and Design
- Organizing Committee, Introduction to Seismic Hazard Assessment & Earthquake Impacts in the UAE – Workshop
- Member, Sharjah new Seismic Monitoring Station to be used to provide community service, including education, research, and professional services.
- Chair, College Student Recruitment and Welfare Committee (Adhoc)
- Member, College Faculty & Staff Grievance Committee
- Member, College Organizing Committee-Engineering Forums
- Chair, Department Undergraduate Committee
- Member, College Undergraduate Education Committee
- Chair, Organizing Committee, "International Conference on Geotechnical Engineering"
- Member, Department Research & Graduate Committee
- Member, Department Pac Committee
- Coordinator, Department Student / Staff Liaison Activity
- Member, University of Sharjah Student Election Committee
- Member, BP Student Awards Committee
- Member, Hazards and Engineering Risk Management Project Team
- Member, Technical Sub-Committee for Waste Management in Sharjah
- Member, Technical Committee for Monitoring of water quality and circulation patterns in the Khalid and Al-Khan lagoons

RECENT INTER-DISCIPLINARY RESEARCH PROJECTS

No	Title of research project	Participants/ Year	Source of Funding/support
1	Numerical Analysis of Shallow Foundations on Geogrid Reinforced Soil	2016-2019	University of Sharjah
2	Macro and Micro Geo-Spatial Environment Consideration for Landfill Site Selection in Sharjah, United Arab Emirates	2016-2018	University of Sharjah
3	Investigation and Modeling of Asphalt Pavement Performance in Cold Regions	2016-2018	University of Sharjah
4	Development of Microzonation Map of Liquefaction Potential for Sharjah, United Arab Emirates”	2016-2019	University of Sharjah
5	Estimation of Bearing Capacity of Open-Ended Model Piles in Sand	Collaboration Work 2016-2017	University of Sharjah & University of Technology, Baghdad
6	Predicting Allowable Bearing Capacity and Settlements of shallow foundations using artificial neural networks - Sharjah, United Arab Emirates	2015-2018	University of Sharjah
7	Geotechnical Mapping of seismic risk of Sharjah City, United Arab Emirates	2016-2019	University of Sharjah
8	Change in Suction and Swelling Behavior of Expansive Unsaturated Bentonite-Sand Mixture with Time	Collaboration Work 2015-2017	University of Sharjah & University of Technology, Baghdad
9	Empirical Correlations for Predicting Allowable Bearing Capacity and Elastic Settlement of Shallow Foundation on Granular Soil	2016-2019	University of Sharjah
10	Bearing Capacity of a Footing on an Expansive Unsaturated Bentonite-Sand Mixture	Collaboration Work 2015-2017	University of Sharjah & University of Technology, Baghdad
11	Subsurface characterization of granular soils from dynamic cone penetration test results, United Arab Emirates	2016-2018	University of Sharjah
12	Field plate load test to investigate stress distribution in soil mass with and without reinforcement - United Arab Emirates	2016-2017	University of Sharjah
13	Estimating Rock Strength Parameters From Empirical Correlations - United Arab Emirates	2015-2017	University of Sharjah
14	Potential impact of global warming on whiting in a Semi-Enclosed Gulf	2015-2017	University of Sharjah
15	Member, Sustainable Civil Infrastructure systems	2016-2021	University of Sharjah
16	Member, Sustainable Construction Materials and Structural Systems	2016-2021	University of Sharjah

No	Title of research project	Participants/ Year		Source of Funding/support
17	The COVID-19 and Swift Transition to the Virtual Learning Environment: Opportunities and Challenges in Higher Education Context – With professors from the Colleges of Engineering and Sciences.	2020 - 2022		University of Sharjah
18	Using Alkali-Activated Binders to Improve UAE Sabkha Soils	Competitive Research Grant 2018-2020 AED 79,000		University of Sharjah
19	Using Microbial inspired techniques to improve the geotechnical properties of sand dunes in UAE	Targeted Research Grant, 2019-2022 AED 156,000		University of Sharjah
20	Using Enzyme Induced Calcite Precipitation (EICP) to control dust in UAE	Collaborative Research Grant 2018 - 2020 AED 120,000		University of Sharjah Sharjah Research Academy, Arizona State University
21	Influence of Particle Morphology on Strength Properties of UAE Carbonate Sands	Competitive Research Grant 2015-2017 AED 93,400		University of Sharjah
22	Development of Weather, Soil, Traffic Database For the Implementation of Mechanistic-Empirical Pavement Design in Sharjah	Seed Research Grant (invited) 2015-2017 AED 40,000		University of Sharjah
23	Evaluation of the Roads and Parking Design to Improve Traffic Safety and Operation in the University City of Sharjah	Seed Research Grant (invited) 2015-2017 AED 40,000		University of Sharjah
24	Quality Assurance in Engineering Education and Programs Linkages between University of Sharjah, UAE and Royal Institute of Technology, Sweden	2015 - 2017		University of Sharjah, UAE and Royal Institute of Technology, Sweden
25	Advanced Characterization of Dynamic Soil Properties in UAE for Enhanced Civil Infrastructures Design	Targeted Research Grant 2020 - 2022 AED 196,000		University of Sharjah
26	Management of Load Transfer to Underground Structures by Using Geocell Soil Reinforcement	Competitive Research Grant 2016-2019 AED 99,400		University of Sharjah
27	Estimation of Earthquake Hazard in Sharjah	Targeted Research Grant AED 199,600		University of Sharjah
28	Using Sodium Alginate Biopolymer as Soil Reinforcement Technique	Seed Research Grant (invited) 2018-2020 AED 40,000		University of Sharjah
29	Joint Project with Ajman Government titled “ Super pave Research and Development Project”	2015		University of Sharjah
30	Development of Geospatial Risk Analysis Maps for United Arab Emirates	3 members	2013- 2015	University of Sharjah

No	Title of research project	Participants/ Year		Source of Funding/support
31	Estimating Unconfined Compressive Strength of Sedimentary Rocks of UAE from Generated Empirical Correlations	3 members	2013-2014	University of Sharjah
32	Use of Wave Velocity for Determining soil Properties	2 members	2013-2014	University of Sharjah
33	Education grant in the amount of AED 560,000, to support the Intel Science Competition for the Arab World (ISC AW) program	1 member	2011	Intel Foundation
34	Assessment of Thiopave (Sulphur Based Additive) in Pavements (Initial Agreement Reached – In Process of Finalization)	3 members	2009/2010	Shell Oil Company
35	Sea water intrusion and the effects on groundwater quality and desalination processes considering the effects of climate change and sea level rise	4 members	2009-2011	British Council
36	Member of the University Research Group “Hazards & Engineering Risk Management”	6 members	2006-2009	University of Sharjah
37	Impacts of Soil Contaminants and Contaminants Management on Soils + Physico-Chemical Factors affecting Soils	3 members	Ongoing	University of Sharjah
38	Collaboration and Capacity Building in Seismology – Methodology for Assessing Earthquakes Impact on Health, Environment, and Infrastructures in UAE.	3 members	2004-2008	University of Sharjah
39	Water Quality Monitoring in Khalid and Khan lagoons	4 members	2001-2007	University of Sharjah + Environment & Protected Areas Authority
40	Earthquake Hazard Zoning and Assessment in the UAE–Structural, Geotechnical and Environmental Risk	4 members	2004-2007	University of Sharjah + Jordan University for Science and Technology
41	Member of the University Research Group “Intelligent Systems and Infrastructure”	17 members	2004-2006	University of Sharjah
42	Member of the University Research Group “Energy and Environment Research Group”	5 members	2004-2006	University of Sharjah
43	Comprehensive waste Management System for Sharjah	4 members	2000-2003	Municipality of Sharjah + Environment & Protected Areas Authority + University of Sharjah
44	Investigation of the Sharjah Old & New Waste Disposal Sites	4 members	2000-2002	Municipality of Sharjah + Environment & Protected Areas Authority +University of Sharjah

No	Title of research project	Participants/ Year		Source of Funding/support
45	Base-Line Assessment of Water Quality & Circulation Patterns in Khalid and Khan lagoons	4 members	2000/2001	University of Sharjah + Environment & Protected Areas Authority
46	"The Effects of Foundation Width and Fiber Stiffness on Model Tests for the Bearing Capacity of Sand with Geogrid Reinforcement".	2 members	2005-2007	University of Sharjah Research center
47	Laboratory tests to study the effect of oil spills on the physical and mechanical properties of soils	2 members	2001-2002	University of Sharjah
48	Risk Assessment for Managing the Transport of Hazardous Material and Freight	2 members	2004-2005	University of Sharjah

MEMBERSHIP IN JOURNALS BOARD OR PAPERS EVALUATION

No	Journal	Title
1	Geotechnical and Geological Engineering Journal	Reviewer
2	Frontiers in Education Conference (FIE 2005 & 2006)	Reviewer
3	Marine Georesources & Geotechnology	Reviewer
4	University of Sharjah Journal of Pure & Applied Sciences	Reviewer
5	International Journal of Geotechnical Engineering	Reviewer
6	Innovation in Construction, Asphalt, and Transportation, ICAT	Board Member
7	Geotechnical Testing Journal	Reviewer
8	Land Contamination & Reclamation	Reviewer
9	Arabian Journal of Geosciences	Reviewer
10	20 Thesis Examination Committee	External Examiner

PATENT

Invention (one-year patent): Help overcome the smoking habit. This invention addresses the addictive nature of smoking and the need for smokers to have the social accouterment of holding a cigarette in their hand and smoking it. The invention provides an apparatus that allows the user gradually to increase the time between cigarettes with the aim to eliminate cigarettes all together.

LIST OF PUBLICATIONS

EDITED BOOKS
1. A. Shanableh, M. Maalej, S. Barakat, M. Omar , S. Al-Toubat, R. Al-Ruzouq and K. Hamad. MATEC Web of Conferences, Volume 120, International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), Sharjah, United Arab Emirates, April 18-20, 2017, (Eds); ISBN 2261236X
2. A. Shanableh, K. Hamad, M. Omar, and M. Bettayeb (Eds). Advances in Engineering Education. ISBN 978-9948-24-1270. University of Sharjah, 2018.
3. Abdallah Shanableh, Khaled Hamad, Maher Omar, Maamar Bettayeb (2016), "Quality Assurance in Engineering Education". Publisher: University of Sharjah (350 pages), ISBN: 978-9948-10-122-0
4. Abdallah Shanableh, Maher Omar, Khaled Hamad, Maamar Bettayeb (2013), Engineering Education in the 21st Century - Quality, Globalization and Local Relevance, College of Graduate Studies and research, UOS. ISBN 9948-10-098-0
5. Adnan Basma, Maher Omar. International Conference on Geotechnical Engineering – Soil Exploration, Testing and Foundation Design, University of Sharjah, 2004.
BOOK CHAPTERS
6. Al-Shamsi, A., Al-Hawari, M. A., Aderibigbe, S. A., & Omar, M. (2022). Impact of Service Quality on Student Retention in UAE Higher Education Institutions. In <i>The Sharjah International Conference on Education in Post COVID-19</i> (pp. 205-219). Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-99-1927-7_17
7. Shanableh, A., Aderibigbe, S., Omar, M. , & Shabib, A. (2022). Opportunities in Disruption: Higher Education in the Post COVID-19 Era. In <i>Higher Education in the Arab World: New Priorities in the Post COVID-19 Era</i> (pp. 227-244). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-031-07539-1_12
8. Shanableh, A., Aderibigbe, S., Omar, M. , Shabib, A. (2022). Challenges and Opportunities of Multi-Disciplinary, Inter-Disciplinary and Trans-Disciplinary Research. In: Badran, A., Baydoun, E., Hillman, J.R. (eds) <i>Higher Education in the Arab World: Research and Development</i> . Springer, Cham. https://doi.org/10.1007/978-3-030-80122-9_18
9. Arab M., Omar M. , Aljassmi R., Nasef R., Nassar L., Miro S. (2020) EICP Cemented Sand Modified with Biopolymer. In: Rodrigues H., Morcouc G., Shehata M. (eds) <i>Recent Research in Sustainable Structures. GeoMEast 2019. Sustainable Civil Infrastructures</i> . Springer, Cham. https://doi.org/10.1007/978-3-030-34216-6_6
10. Refaei, M., Arab, M. G., & Omar, M. (2020). Sandy soil improvement through biopolymer assisted EICP. In <i>Geo-Congress 2020</i> (pp. 612-619). Reston, VA: American Society of Civil Engineers.

<p>11. Omar M. et al. (2019) Geotechnical Mapping of Seismic Risk for Sharjah City, United Arab Emirates. In: Pradhan B. (eds) GCEC 2017. GCEC 2017. Lecture Notes in Civil Engineering, vol 9. Springer, Singapore, https://doi.org/10.1007/978-981-10-8016-6_83</p>
<p>12. Omar M. et al. (2019) Geotechnical Mapping of Seismic Risk for Sharjah City, United Arab Emirates. In: Pradhan B. (eds) GCEC 2017. GCEC 2017. Lecture Notes in Civil Engineering, vol 9. Springer, Singapore, https://doi.org/10.1007/978-981-10-8016-6_83</p>
<p>13. Omar M. (2019) Comparative Study between Mathematical Models for Prediction of Strength Properties of Rocks in United Arab Emirates. In: Fatahi B., Mwanza A., Chang D. (eds) Sustainable Design and Construction for Geomaterials and Geotechnical Structures. GeoChina 2018. Sustainable Civil Infrastructures. Springer, Cham. https://doi.org/10.1007/978-3-319-95753-1_5</p>
<p>14. M. Omar, K. Hamad, A. Shanableh, and A. Tahmaz. (2018) Efforts to Maximize the Success of Students on Probation. In: A. Shanableh, K. Hamad, M. Omar, and M. Bettayeb (Eds) Advances in Engineering Education, pp. 53-59, ISBN 978-9948-24-127-0, University of Sharjah</p>
<p>15. K. Hamad, G. Al-Khateeb, and M. Omar. Senior Design Project Experience at Department of Civil & Environmental Engineering at University of Sharjah, United Arab Emirates. In: A. Shanableh, K. Hamad, M. Omar, and M. Bettayeb (Eds) Advances in Engineering Education, pp. 224-234, ISBN 978-9948-24-127-0, University of Sharjah, 2018</p>
<p>16. Mohamed Arab, Maher Omar and Ali Tahmaz, Numerical Analysis of Shallow Foundations on Geogrid Reinforced Soil. In: MATEC Web of Conferences, Volume 120 (2017), International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), Sharjah, United Arab Emirates, April 18-20, 2017, A. Shanableh, M. Maalej, S. Barakat, M. Omar, S. Al-Toubat, R. Al-Ruzouq and K. Hamad (Eds); ISBN 2261236X.</p>
<p>17. M. Omar, K. Hamad, and A. Shanableh. Early Warning Indicator at University of Sharjah - Proposed System. In: A. Shanableh, K. Hamad, M. Omar, and M. Bettayeb (Eds) Quality Assurance in Engineering Education, pp. 298-302, 978-9948-10-122-2, University of Sharjah, 2016</p>
<p>PUBLICATIONS - JOURNAL</p>
<p>18. Omar, M., Arab, M. G., Alotaibi, E., Alshibli, K., Shanableh, A., Malkawi, D., Tahmaz., A & Elmehdi, H., (2023). Influence of Particle Morphology on the Friction and Dilatancy of UAE Natural Sands Using Deep Learning. Soils and Foundations. Under review</p>
<p>19. Al-Shamsi, A. Al-Hawar, M. Aderibigbe, S. Omar, M., (2023). Exploring the Impact of Front-line Employees' Extra Role Behavior on Student Loyalty and Retention in a Semi-Government University in the UAE. Educational Science. Accepted</p>
<p>20. Al-Sadoon, Z., Alotaibi, E., Omar, M., Tahmaz, A., & Arab, M. G. (2023). AI-Based Prediction of Tunneling Squeeze: Comparative Analysis. Geotechnical and Geological Engineering. Accepted</p>

<p>21. Arab, M. G., Refaie, M., Alotaibi, E., Omar, M., Almajed, A., & Haridy, S. (2023). Mechanical modeling of EICP treated sand with sodium alginate using design of experiments. <u>Journal of Materials in Civil Engineering, ASCE</u>. Accepted</p>
<p>22. Omar, M., Alotaibi, E., Arab, M. G., Shanableh, A., Malkawi, D. A. H., Elmehdi, H., & Tahmaz, A. (2023). Harnessing nature-inspired soft computing for reinforced soil bearing capacity prediction: a neuro-nomograph approach for efficient design. <u>International Journal of Geosynthetics and Ground Engineering</u>, 9(4), 53. https://doi.org/10.1007/s40891-023-00472-9</p>
<p>23. Bukhatir, A., Al-Hawari, M. A., Aderibigbe, S. A., Omar, M., & Alotaibi, E. (2023). Improving student retention in higher education institutions: Exploring the factors influencing employees extra-role behavior. <u>Journal of Open Innovation: Technology, Market, and Complexity</u>, 100128. https://doi.org/10.1016/j.joitmc.2023.100128</p>
<p>24. Alotaibi, E., Arab, M. G., Abdallah, M., Nassif, N., & Omar, M. (2022). Life cycle assessment of biocemented sands using enzyme induced carbonate precipitation (EICP) for soil stabilization applications. <u>Scientific Reports</u>, 12(1), 6032. https://doi.org/10.1038/s41598-022-09723-7</p>
<p>25. Dabous, S. A., Hamad, K., Al-Ruzouq, R., Zeiada, W., Omar, M., & Obaid, L. (2022). A Case-Based Reasoning and Random Forest Framework for Selecting Preventive Maintenance of Flexible Pavement Sections. <u>The Baltic Journal of Road and Bridge Engineering</u>, 17(2), 107-134. https://doi.org/10.7250/bjrbe.2022-17.562</p>
<p>26. Alotaibi, E., Omar, M., Shanableh, A., Zeiada, W., Fattah, M. Y., Tahmaz, A., & Arab, M. G. (2021). Geogrid bridging over existing shallow flexible PVC buried pipe–Experimental study. <u>Tunnelling and Underground Space Technology</u>, 113, 103945. https://doi.org/10.1016/j.tust.2021.103945</p>
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