



Prof. Osama K. Nusier

Professor in Geotechnical Engineering

Jordan University of Science and Technology

Office: (962) -2-7201000 ext. 22999

Mobile: (962) -79- 9066999

E-mail: nosama@just.edu.jo

Personal:

Nationality: Jordanian

Born: Sept. 25, 1969

Marital Status: Married with three children

Education:

- Ph.D. (Geotechnical Eng.), The University of Akron (Akron, OH 44325, USA). 1994-1996. (GPA 3.94/4.0). Dissertation: “Engineering Reliability of Dams”.
- M.S. (Geotechnical Eng.), Jordan University of Science and Technology (JUST) (Irbid, Jordan). 1992-1994 (GPA 95.1/100, Honor). Thesis: “Seismic Hazard Assessment and Evaluation of Dynamic Site Periods in Karak City”.
- B.S. (Water Resources and Environmental Eng.), Jordan University of Science and Technology, (Irbid, Jordan). 1987-1992 (GPA 81.3/100, Honor). Project: “Seepage Control in JUST Earthfill Dam”.

Key of Qualifications:

I have acquired excellent skills in Civil Engineering and higher education on academic and management levels. This expertise is well-grounded on solid education, with a B.Sc. in Water Resources and Environmental Engineering and M.Sc. and Ph.D. in Geotechnical Engineering, from reputed universities. In this regard, I have developed expertise in the design, analysis, teaching and research in the following domains: soil mechanics, foundations (with a strong background in pile foundation and drilled shafts design and monitoring), deterministic and probabilistic slope stability analysis and design, seismic hazard assessment (macro and micro zonation), reliability analysis of dams stability (i.e. both earth fill dams and Roller compacted concrete gravity dams), sediment assessment for dams, and seepage control in dams. Hence, I have authored and co-authored several high-caliber papers published in international peer-reviewed journals and conference proceedings. I have also developed academic connections and reputation that empowered

me with a strong ability to secure international funding for scientific (academic and non-academic) research projects.

My academic expertise is aided by proper training in strategic planning and Quality Assurance, as well as extensive expertise in developing academic programs for academic institutions, notwithstanding my capability as a trainer in public awareness programs (PA) and participatory rapid Appraisal (PRA). Besides, I have been an active volunteer lecturer on water and environmental issues at Jordan environmental society. In addition, I have been working as a trainer in civil society development issues and human resources upgrading and I am the founder of civil society development center at Jordan University of Science and Technology.

Statement of Leadership

My philosophy of leadership is built around the following keywords: articulated goals, team work, responsibility-accountability, respect, and proper networking skills. That is, I believe in working with a team and in articulating goals with my team to achieve those goals together. Therefore, I keep all members engaged, build a spirit of ownership, and focus on the goals. I inspire my team to keep them passionate and maintaining a good team spirit. Thus, I like to delegate tasks and stay on top of all the details. I treat all my team members with respect and kindness and strive to be positive and encouraging. However, I tend to be critical when and where needed and always professional. I derive change to deliver positive results and manage risks using plan, do, check and feedback, and act cycle. I do also believe that it is essential to follow up on the performance of my team members, encourage continual professional development, and improve their networking skills. In addition, I provide equal opportunities and fair treatment among team members, which foster loyalty toward the institution. I create an enabling environment to facilitate the work and I encourage lifelong learning and building capacities.

Statement of Teaching and Research

I enjoy transferring knowledge, know-how, and skills to my students. I do also utilize technology to promote their active participation in the learning process. I have developed a teaching philosophy that focuses on achieving the intended learning outcomes. I like to adapt to different students levels and learning capabilities by posing questions and building scenarios and activities. Hence, I like to motivate my students' independent and critical thinking and improve their problem-solving and soft skills. Over the years, I found that hands-on through project- and problem-based teaching offer students the best way to learn and strengthen their confidence in their capabilities. In the senior-level and graduate

courses, I emphasize on the importance of team work and soft skills through group projects, term papers, documentation, technical and progress reports, and presentations. I have been conducting research in soil mechanics, foundations (concentrating on pile foundation and drilled shafts design and monitoring), deterministic and probabilistic slope stability analysis and design, seismic hazard assessment (macro and micro zonation), reliability analysis of dams stability (i.e. both earth fill dams and Roller compacted concrete gravity dams), sediment assessment for dams, seepage control and settlement assessment and evaluation of dams. I am a strong advocate of multi-disciplinary research. In the area of geotechnical and environmental engineering, I have been involved in many fields including expansive soil, micropiles, reliability of dams, slope stability and water issues. I have been working in modeling stabilizing slopes using drilled shafts using Centrifuge technology at Case Western Reserve University structural Lab, Cleveland, OH.

Honors and Awards:

- King Hussein Environmental Management Training Program Award, Public Awareness and Participatory Rapid Appraisal Modules, Jordan (Jan. 1999).
- Scholarship, University of Akron (Akron, OH, USA). Department of Civil Engineering. (Jan. 1994-Dec. 1996).
- Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan (Dec. 1994).
- Scholarship, Jordan University of Science and Technology. Department of Civil Engineering. Irbid, Jordan. (Sep. 1992-Jan. 1994).
- Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan. (Jan. 1992).
- Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan. (Jan. 1991).
- Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan. (May. 1990).

Administrative Experience:

- Vice President, Jordan University of Science and Technology. (Sept. 2015 to Sept. 2018).
- Vice President, Al al-Bayt University. (Aug. 2012 to Aug. 2015).
- Acting President, Al al-Bayt University. (July. 2014 to Sep. 2014).

- Dean of Engineering Faculty, Al al-Bayt University. (Sep. 2012 to Feb. 2015).
- Dean of Student Affairs, Jordan University of Science and Technology. (Sep. 2010 to Aug. 2012).
- Director of Civil Society Development Center, Jordan University of Science and Technology. (November 2002 to Sep. 2006).
- Assistant Dean of Faculty of Graduate Studies, Jordan University of Science and Technology. (March 2001 to Sep. 2003).
- Chairperson of Geotechnical Engineering Division, Civil Engineering Department, Jordan University of Science and Technology. (Sep. 1999 to Sep. 2000).
- Editor, Rehab al Jamea News Paper, Jordan University of Science and Technology. (Sep. 2010 to Aug. 2012).
- President, Jordan University of Science and Technology Employee Club, (Feb. 2000-Aug. 2000).
- Chairperson, Queen Rania Al-Abdullah Center for Environmental Sciences & Technology Advisory Committee, Jordan University of Science and Technology. (Sep. 2015 to Sept. 2018).
- Chairperson, Consultative Center for Science and technology Advisory Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2017).
- Chairperson, Computer and Information Center Advisory Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2017).
- Member, Queen Rania Al-Abdullah Center for Environmental Sciences & Technology Advisory Committee, Jordan University of Science and Technology. (Sep. 2000 to Sep. 2002)
- Secretary, University Graduate Studies Council, Jordan University of Science and Technology. (March 2001 to Sep. 2003).
- Member, University Scientific Research Council, Jordan University of Science and Technology. (March 2001 to Sep. 2003).
- Member, Jordan University of Science and Technology Council, Jordan University of Science and Technology. (Sep. 1999 to Sep. 2006) and (Sep. 2015- Sept. 2018).
- Coordinator of MED Project "Toward Democratic Thinking," funded by European Union, implementing by British council, Jordan and Jordan University of Science and Technology. (June 1999 to May 2001)
- Founder and Coordinator for the establishment of Civil Society Development Center, Jordan University of Science and Technology. (May 2001 to November 2002).

Academic Experience:

- Aug. 2015- Present Professor in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).
- Aug. 2012-Aug. 2015 Professor in Geotechnical Engineering, Civil Engineering Department, Al Al-Bayt University , (Mafraq, Jordan).
- Dec. 2008-Aug. 2012 Professor in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).
- Dec. 2003-Dec. 2008 Associate Professor in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).
- Sep. 1998-Dec. 2003 Assistant Professor in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan),.
- Sep. 1997-Sep.1998 Full Time Lecturer in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).
- Jan. 1994- Dec. 1996 Instructor Assistant, Civil Engineering Department, The University of Akron (Akron, OH 44325).
- Sep. 1992-Jan. 1994 Teaching Assistant, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).

Strategic, Higher Management Experience:

- Member of Jordan University of Science and Technology strategy preparation committee (2016-2020).
- Chairperson of Al- al Bayt University strategy preparation committee (2015-2020).
- Member of the Technical committee for the Democratic Empowerment (Tamkeen), King Abdallah II Fund, Amman, Jordan. Sep. 2014 to Sep. 2016.
- Member of Board of trustees / American University of Madaba / Jordan. March 2013 to Dec. 2016.
- Vice President, Board of trustees / Al-Hayat Center / Jordan. Jan. 2010 to present.
- Consultant to the Minister of Social Development (Juvenile centers reform)/ Jordan. Oct. 2002 to Oct. 2003
- Policies and Strategies Consultant at the Ministry of Political Development (Jordanian youth Parliament) / Jordan. March 2006 to Sep. 2006.
- Member of Board of Directors / Housing and urban Development corporate/ Jordan. Jan. 2010 to Jan. 2012.

- Member of the committee responsible for preparing the national dialogue on university violence / Ministry of Higher Education and Scientific Research. 2012.
- Member of the committee responsible for preparing a strategy for reducing university violence / Ministry of Higher Education and Scientific Research. 2012.
- Member of the committee responsible for preparing the (university environment component) for the national strategy of higher education and scientific research / Ministry of Higher Education and Scientific Research. 2012.

Academic and Administrative Committees:

- Chairperson of Central Course Curriculum Committee, Jordan University of Science and Technology. (Sep. 2015 to Sept. 2018).
- Member of higher scientific committee in Scientific Research Fund (SRF), Jordan. (Sep. 2017, to Sep. 2019)
- Chairperson of Housing Fund Committee, Jordan University of Science and Technology. (July 2016 to Sept. 2018).
- Chairperson of Central Tenders Committee, Jordan University of Science and Technology. (Sep. 2016 to Sep. 2017).
- Chairperson of Buildings Committee, Jordan University of Science and Technology. (Sep. 2016 to Sep. 2017).
- Chairperson of Emergency Committee, Jordan University of Science and Technology. (Jan. 2016 to Sep. 2017).
- Chairperson of Graduation Committee, Jordan University of Science and Technology. (Sep. 2016 to Sep. 2017).
- Chairperson of New Students Reception Committee, Jordan University of Science and Technology. (Sep. 2016 to Sep. 2017).
- Member of Central Quality Assurance Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2017).
- Member of Strategic plan Committee (2020), Jordan University of Science and Technology. (Sep. 2016 to Sep. 2017).
- Reviewer and Member of several quality assurance committees for different academic programs in different academic institutions.
- Chairperson of Occupational health and Environmental safety and Health Advisory Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2017).
- Chairperson of Registration and Course Schedule Committee, Jordan University of Science and Technology. (Sep 2015. to Sep. 2017).
- Chairperson of the Year Book Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2017).

- Chairperson of the Undergraduate Degree Regulations Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2016).
- Chairperson of the University's Website Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2016).
- Chairperson of the University's Master Plan Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2016).
- Member of the University's Financial Investment Committee, Jordan University of Science and Technology. (Sep. 2015 to Sep. 2016).
- Chairperson of Central Tenders Committee, Al al-Bayt University. (Sep. 2012 to Sep. 2013).
- Chairperson of Buildings Committee, Al al-Bayt University. (Sep. 2012 Aug. 2015).
- Chairperson of Employees Affairs Committee, Al al-Bayt University (Sep. 2012 to Aug. 2015).
- Chairperson of Course Schedule Committee, Al al-Bayt University. (Sep. 2012 to Sep. 2013).
- Chairperson of job description committee, Al al-Bayt University. (Sept. 2012 to Sept. 2014).
- Chairperson of regulations development for student council committee, Al al-Bayt University. (Sep. 2012 to Sep. 2014).
- Chairperson budget preparation committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of water consumption management committee, Al al-Bayt University. (Sep. 2012 to Sep. 2013).
- Chairperson of computer center committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of students funding committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of student affairs committee, Al al-Bayt University. (Sep. 2012 to Sep. 2013).
- Chairperson of bureau auditing inquires committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of planning and developing competencies committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of new students' reception committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of agreement review for Ministry of health insurance committee, Al al-Bayt University. (Sep. 2012 to Sep. 2013).

- Chairperson of health insurance committee, Al al-Bayt University. (Sep. 2012 to Aug. 2015).
- Chairperson of University Students Discipline Committee, Jordan University of Science and Technology. (Sep. 2010 to Aug. 2012).
- Chairperson of Graduation Ceremony Committee, Jordan University of Science and Technology. (Sep. 2010n to Aug. 2012)
- Member of Civil Engineering Department Social Committee, Jordan University of Science and Technology. (Sep. 1998 to Dec. 2001).
- Member of Civil Engineering Department Graduate Studies Committee, Jordan University of Science and Technology. (Sep. 2000 to Sep. 2003).
- Member of Civil Engineering Department Scientific Research Committee, Jordan University of Science and Technology. (Sep. 2001 to Sep. 2002).
- Member of University Students Discipline Committee, Jordan University of Science and Technology. (Sep. 2000 to Sep. 2002).
- Member of University Special Accreditation Committee, Jordan University of Science and Technology. (Sep. 2001 to Sep. 2003).

Teaching Experience:

Graduate

- CE 701 Advanced Applied Mathematics for Engineers
- CE 702 Applied Statistics for Civil Engineers
- CE 703 Seminar in Civil Engineering
- CE 761 Advanced Soil Mechanics
- CE 763 Advanced Foundation Engineering

Undergraduate

- CE 200 Engineering Drawing
- CE 201 Static's
- CE 211 Probability and Statistics for Civil Engineers
- CE 311 Numerical Methods for Civil Engineers
- CE 343 Surveying Lab.
- ME 402 Numerical Methods for Mechanical Engineers
- CE 461 Soil Mechanics I
- CE 463 Soil Mechanics Lab.
- CE 464 Foundation Eng. I
- CE 556 Dam Engineering
- CE 561 Soil Mechanics II
- CE 564 Foundation Eng. II
- CE 566 Soil Stabilization
- CE 580 Special Topics In Civil Engineering

Master Thesis:

- *The Effect of Soil Plug on Ultimate Bearing Capacity of Smooth Open Ended Piles Driven in Sand: Experimental Approach, by Ahmed Abo Eid, Master of Science in Civil Engineering, JUST, in Progress, 2020 (Advisor).*
- *The Effect of Soil Plug on Ultimate Bearing Capacity of Rough Open Ended Piles Driven in Sand: Experimental Approach, by Ahmed Abo Eid, Master of Science in Civil Engineering, JUST, in Progress, 2020 (Advisor).*
- *The Efficiency of Granular Pile Anchor Foundation System to Reduce the Heave of Irbid Expansive Clayey Soil, by Al-Ahmed Suqaier, Master of Science in Civil Engineering, JUST, in Progress, 2019 (Advisor).*
- *The Efficiency of Granular Pile Anchor Foundation System in Improving the Pullout Resistance of Irbid Expansive Clayey Soil, by Amani Al-Masoud, Master of Science in Civil Engineering, JUST, in Progress, 2019 (Advisor).*
- *New Analytical Approach for Predicting the Load-Displacement Curve of Axially Loaded Piles Driven in Sand, by Botool Al-Shorman, Master of Science in Civil Engineering, JUST, January 2020 (Co-Advisor).*
- *Tensile Capacity of Granular Pile Anchors in Expansive Clay: Theoretical Approach, by Amani Bani khalaf, Master of Science in Civil Engineering, JUST, January 2020 (Examining Committee member).*
- *Estimation of friction Capacity of Driven Piles in Sand: Effect of Sand Dilation, by Bayan Al-Jararha, Master of Science in Civil Engineering, JUST, January 2020 (Examining Committee member).*
- *The Effect of Using Alkali-Resistant Glass Fibers and Portland Cement on The Geotechnical Properties of Highly Expansive Soil, by Hadeel Al Zoghool, Master of Science in Civil Engineering, JUST, Dec. 2019 (Examining Committee member).*
- *A new approach for estimating capacity of driven piles in sand under tensile loading, by Mais Atiyeh, Master of Science in Civil Engineering, JUST, January 2019 (Co-Advisor).*
- *Assessment of Rock Fall and Slope Stability of 2017 Jarash Landslide, by Osama Dawas, Master of Science in Civil Engineering, JUST, January 2019 (Examining Committee member).*
- *Spatial Distribution of Engineering Soil Properties in the Northern Region of the Dead Sea, Jordan, by Fardous*

Rababah, Master of Science in Civil Engineering, JUST, June 2018 (Advisor).

- *Base Capacity of Open-Ended Pipe Piles Driven in Sand, Jordan*, by Manar Othman, Master of Science in Civil Engineering, JUST, June 2018 (Examining Committee member).
- *Pile Load – Displacement Curve in Cohesionless Soil Considering Soil/Pile Set-Up*, by Mysa A. Khassawneh, Master of Science in Civil Engineering, JUST, July 2009 (Co-Advisor).
- *Geotechnical Mapping for Irbid Soil Using GIS*, by Abdalah Gharaybeh, Master of Science in Civil Engineering, JUST, July 2009 (Advisor).
- *Time Dependent Capacity Increase for driven piles in cohesionless soil*, by Murad Awamleh, Master of Science in Civil Engineering, JUST, January 2007 (Co-Advisor).
- *Full scale micropiles to control uplifting of lightweight facilities over Irbid expansive clays*, by Rabi J. Rabadei, Master of Science in Civil Engineering, JUST, April 2004. (Advisor).
- *Poisson's Ratio Effect on Compressive and Tensile Shaft Capacity of Driven Piles in Sands: Theoretical Formulation*, by Abdulla Sharo', Master of Science in Civil Engineering, JUST, April 2004. (Co-Advisor).
- *Load-displacement Response of Driven Piles in Cohesionless Soils Under Compressive Loading: A Method Accounting for Post-Driven Residual Stresses* by Khaled Noor, Master of Science in Civil Engineering, JUST, January 2004. (Co-Advisor).
- *Scale Effect Study on Shear Strength Using Large Scale Direct Shear Device*, by Kifah Ewisat, Master of Science in Civil Engineering, JUST, January 2004 (Examining Committee member).
- *Stability Analysis of Slope Using Finite Element Method and Limiting Equilibrium Approach*, by Mohamad yameen, Master of Science in Civil Engineering, JUST, January 2004 (Examining Committee member).
- *A Study of Temperature Distribution and Thermal Stresses in Roller Compacted Concrete (RCC) Gravity Dams*, by Mohamad Al Jamal, Master of Science in Civil Engineering, JUST, January 2004 (Examining Committee member).
- *Micropiles as a technique to control upward movement of foundation of light structures on the expansive clays of Irbid area: small scale experimental study*, by Baha Ataree,

Master of Science in Civil Engineering, JUST, August 2001.
(Advisor).

- *Effect of curing and mixing temperature on the mechanical properties of fiber reinforced concrete*, by Esam Abdul Muhsin Jafar, Master of Science in Civil Engineering, JUST, December 1999. (Examining Committee member).
- *Estimation of axial pile capacity in sand considering post-driving residual stresses*, by Mustafa Al-Saleh, Master of Science in Civil Engineering, JUST, June 1998. (Examining Committee member).
- *Seismic analysis of slope stability using Monte-Carlo simulation technique*, by Waleed Falih Hassan, Master of Science in Civil Engineering, JUST, Aug. 1998. (Examining Committee member).
- *Experimental approach for evaluating soil damping for driven piles*, by Izz-Al-deen Ayasreh, Master of Science in Civil Engineering, JUST, Aug. 1998. (Examining Committee member).

Grants:

- *Reliability Study for Evaluating Instability of Embankment Slopes*, Funded by Deanship of Scientific Research at Jordan University of Science and Technology. Contract No. 14/98, Jan. 1998 to Jan. 1999. Amount JD 3600.
- *Physico-Chemical Effect on Expansive soils Behavior due to Adding Fly-Ash and Superplastisizer*, Funded by Deanship of Scientific Research at Jordan University of Science and Technology. Contract No. 72/99, Aug. 1999 to Aug. 2000. Amount JD 3600.
- *Micropiles as a technique to control upward movement of foundation of light structures on the expansive clays of Irbid area: experimental study*, Funded by Deanship of Scientific Research at Jordan University of Science and Technology. Contract No. 200/2000, Dec. 2000 to Dec. 2002. Amount JD 5000.
- *Toward Democratic Thinking Project*, Funded by European Union, implementing in cooperation with British council/Jordan and JUST. Sep. 1999 to April 2001, Amount EUR 170,000.
- *Civil Society Development Center establishment at JUST*, Funded by British Embassy/Jordan, in cooperation with British council/Jordan. May 2001 to May 2003, Amount £108,000.

- *Youth Participation in the 2001 Parliamentary Elections*, Funded by British Embassy/Jordan, in cooperation with British council/Jordan, Jordan University, and JUST. May 2001 to May 2002, Amount £20,000.
- *Women in Parliament Project*, Funded by European Union, implementing in cooperation with British council/Jordan, Jordan University and JUST. Aug. 2001 to Aug. 2002 Amount EUR 635,630.
- *Earthquake Risk Assessment of Amman Municipality*, Funded by UNDP project “Support to Building National Capacities for Earthquake Risk Reduction at Amman Municipality in Jordan 51485”, Oct. 2007 – 2009, Amount \$600,000.
- *First Conference for Jordanian Universities Students, (Political Development empowerment in Jordanian Universities)*, Fundraising from different private sector bodies (i.e banks and companies), Jordan University of Science and Technology, 2004, Amount JD 70,000.
- *Jordanian Youth Development and Reform Handbook*, Funded by Konrad Adenauer Stiftung, 2005, Civil Society Development Center, JUST, Amount \$50,000.
- *CSDC Open days*, Funded by International and national organizations, (for the years 2003, 2004, 2005 and 2006), Civil Society Development Center, JUST, Amount \$40,000.
- *Jordan for us Program*, Funded by International and national organizations, 2005, Civil Society Development Center, JUST, Amount \$20,000.
- *Graduated Students Package* (training on different Job Market and personal skills), Funded by International and national organizations, 2005, Civil Society Development Center, JUST, Amount \$25,000.
- *International Cultural Exchange Program for different Countries*, Funded by different International organizations, 2005, Civil Society Development Center, JUST, Amount \$60,000.
- *Discover Euro-Mid Workshop*, Funded by EU, 2005, Civil Society Development Center, JUST, Amount EUR 7,000.
- *Dialogue with Leaders Program*, Funded by national organizations, (2004 and 2005) Civil Society Development Center, JUST, Amount \$20,000.
- *Sehtak bel donia, Health Awareness Program*, Funded by national organizations, 2005, Civil Society Development Center, JUST, Amount \$10,000.
- *Building University Students’ Council Members Democratic Capacity*, funded by the MOPIC, European Union Delegation (EUD) and the Netherlands Embassy, (managed by Al-Hayat center, Amman, Jordan), 2009 to 2010, Amount EUR 172,810.
- *Promoting Entrepreneurship in Poverty Pockets in Jordan – Municipality of Kufranjah*, Funded by the European Union Delegation (EUD), (managed by Al-Hayat center, Amman, Jordan), 2010 to 2012, Amount EUR 110,000.

- *Building the Capacity of Young Jordanians Human Right Defenders (YJHRDs) at Jordanians' universities*, funded by the Netherlands Embassy, (managed by Al-Hayat center, Amman, Jordan), 2011 to 2014, Amount JD 194,518.
- *Flood wave Propagation and Infiltration in Desert Regions: The Azraq Basin, Jordan*, funded by USAID (PEER Program), Jun. 2012 to Jun. 2015, Amount \$ 93,350.
- *Effecting and Enhancing Grassroots Participation in the Political Reform Process in Jordan: MUSHARAKA*, funded by European Union Delegation (EUD), (managed by Al-Hayat center, Amman, Jordan), 2013-2015, Amount EUR 484,747.
- *Ana Usharek*, funded by USAID, (managed by NDI, Amman, Jordan), 2012 to 2020, Amount \$ 5 million, (Role: Senior advisor and head program coordinator).
- *Potential use of reclaimed wastewater as groundwater recharge: Amman - Zarqa basin*, funded by Deanship of Research, Al al-Bayt university. April 2015 to present, Amount \$80,000.
- *RASED for open Government Monitoring*, funded by FHI/USAID, (2015-2017), (managed by Al-Hayat center, Amman, Jordan), 2015-2017, Amount JD 318,441.
- *Increase Public Accountability through Open Government Partnership*, funded by USAID, (managed by Al-Hayat center, Amman, Jordan), 2017 to present, Amount JD 275,593.
- *Building the Partnership and Capacity Among CBOs and Educational System in Jordan to Prevent and Counter Violent Extremism*, funded by Canadian Department of Foreign Affairs, Trade and Development, (managed by Al-Hayat center, Amman, Jordan), 2017 to present, Amount CAD 520,943.
- *Countering Violent Extremism: Empowering CBOs to Prevent and Tackle Violent Extremism at the Grassroots Level*, funded by The Ministry of Foreign Affairs, (managed by Al-Hayat center, Amman, Jordan), 2017 to present, Amount NOK 4,444,680.
- *OptArch 689983- Optimization Driven Architecture of Structures. H2020-MSCA-2015-RISE-2015. Funded by European Commission, Euro 1,620,000.*
- *IODANES-Integrated approach for ORganic waste management – Deployment of smArt bin s and strategies for eNvironment-safe and Efficient operationS. ENI CBC, (SUBMITTED), Euro 2,970,000.*

Conferences:

- Member of the Steering Committee of the First International Conference “Optimization -Driven Architectural Design ” OPTARCH 2019, Amman. Jordan November 5-7,2019.
- Chairman of the Advisory Committee of the first International Conference on Integrated Natural Disaster Management, Marriott Hotel, Dead Sea, Jordan, March 28-29, 2018.

- Member of the Steering Committee of the International Conference “Coordinating Engineering for Sustainability and Resilience” CESARE’17, MOVENPICK, Dead Sea. Jordan 3-8 May 2017.
- Inaugural International Conference of the Engineering Mechanics Institute (EM08), ASCE, May 2008, Minneapolis, Minnesota, USA.
- The International Conference on Construction and Technology (ICCBT 2008), June 2008, Kuala Lumpur, Malaysia.
- Geo-Jordan 2004 Advances in Geotechnical Engineering with emphasis on Dams, Highway materials and soil improvement, July 12-15, 2004, Irbid, Jordan.
- Roller Compacted Concrete dam construction in Middle East, International Conference, April 7-10, 2002, Irbid, Jordan.
- Seventh Annual International Conference on Composites Engineering, July 2-8, 2000, Denver, Colorado, USA.
- 99 International Conference on dam safety and Monitoring, China, (1999).
- Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, April 2-7, 1995, in St. Louis, Missouri, USA.
- Six’t Arab Conference on Structural Engineering, 1995, Damascus, Syria.

Training Courses:

- Training Course on Environmental Impact Assessment (EIA), Public Participation, (18 – 22 April 1998). Funded by King Hussein Environmental Management Training Program, Amman, Jordan.
- Training Course on Environmental Public Awareness (PA), (October 1998). Funded by King Hussein Environmental Management Training Program, Amman, Jordan.
- Training Course on Environmental Participatory Methods (PM), (October 1998). Funded by King Hussein Environmental Management Training Program, Amman, Jordan.
- Training Course on Training of Trainers (TOT), (1 – 5 November 1998), Jordan Institute of Public Administration, Amman, Jordan.

- Trainers Technical Upgrading Program on Participatory Rapid Appraisal (PRA), (January 23 to February 5, 1999). Funded by King Hussein Environmental Management Training Program, delivered by the World University Service of Canada, Ottawa, Canada.
- Trainers Technical Upgrading Program on Environmental Public Awareness (PA), (February 8 - 19, 1999). Funded by King Hussein Environmental Management Training Program, delivered by World University Service of Canada, Vancouver, Canada.

Workshops and Forums:

- Training Workshop on human resources building for Jordan Environmental Society middle of Jordan branches, (4 – 6 July 1998). Dana Reserve, Jordan.
- Training Workshop on year 2000 Version of ISO 9000, (17 Aug. 1998). Amman-Jordan.
- Training Workshop on Debating Skills, Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, (30 Oct. – 3 Nov., 1999). JUST, Jordan.
- Training Workshop on Developing competencies for managing change, Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, (7– 17 Nov., 1999). JUST, Jordan.
- Training Workshop on Gender Awareness, Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, (20– 24 Nov., 1999). JUST, Jordan.
- Training Workshop on Family protection issues, Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, (27 Nov. – 1 Dec., 1999). JUST, Jordan.
- Training Workshop on Religious Understanding and Diversity, Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, (20 March – 23 March., 2000). JUST, Jordan.
- Training Workshop on building Facilitation Skills, organized by Civil Society Development Center at JUST. Funded by the British Embassy/Jordan, (9 Sept. – 13 Sept., 2001). JUST, Jordan.
- Training Workshop on Social Issues with Special Focus on Women in Jordan, organized by Civil Society Development Center

at JUST. Funded by the British Embassy/Jordan, (23 Sept. – 26 Sept., 2001). JUST, Jordan.

- Training Workshop under Women in Parliament Project/ Women and youth political participation, organized by Civil Society Development Center at JUST. Funded by the European Union, (16 –19 May, 2002). JUST, Jordan.
- Training Workshop under Women in Parliament Project/ Planning workshop for finding mechanisms to activate students participation in university life with students and faculty members, organized by Civil Society Development Center at JUST. Funded by the European Union, (5,6 August, 2002). JUST, Jordan.
- Tolerance Values: Toward Human Security, Conference organized by Regional Center for Human Security / Jordan Institute of Diplomacy, funded by Netherlands Government. Radisson SAS Hotel, (20-22 October, 2003). Amman, Jordan.
- First Forum for Jordanian Clubs about Political Development, organized by Ministry of Political Development and Higher Council for Youth. Al-Hussein Youth City, (1, May, 2004). Amman, Jordan
- First Forum for Jordanian University Students about Political Development, organized by Ministry of Political Development and Higher Council for Youth. Al-Hussein Youth City, (8, May, 2004). Amman, Jordan
- Media and Human Rights Workshop, organized by Al-Ofog Dialogue Conference Center and Civil Society Development Center, funded by Inter-News Network. Intercontinental Hotel, (27- 30 June, 2004). Amman, Jordan.
- Second Jordan Youth Forum, organized by King Abdullah II for Development Fund. Moevenpick Resort, (17, 18 July, 2004). Dead Sea, Jordan.
- Tradition and Modernization: A Jordanian- Japanese Dialogue, organized by the Royal Institute for Inter- Faith Studies and Jordan Institute of Diplomacy I Cooperation with the Japan Foundation and the Embassy of Japan. Royal Cultural Center, (12 September, 2004). Amman, Jordan.
- National Health Awareness Strategy Priorities (North Governance Workshop), organized by John Hopkins University. Masaya Hall, (21 September, 2004). Irbid, Jordan.
- Arab Regional Meeting for Family Affairs Councils, Organized by National Council for Family Affairs, funded by United Nations Economic and Social Commission for Western Asia (ESCWA), the Arab Family Organization (AFO) and the General Secretariat of the Arab League. Meridian Hotel, (5, 6 October, 2004). Amman, Jordan.

- National Strategy for Jordanian Families Workshop, organized by National Council for Family Affairs. Sheraton Hotel, (9 October, 2004). Amman, Jordan.
- National Workshop for Homes for poorer families, organized by Ministry of Planning and International Cooperation. Marriot Hotel, (9,10 October, 2004). Dead Sea, Jordan.

Event and Community Activities:

➤ Events:

- Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, Held at JUST, Jordan. (May 14-24, 2000).
- First Jordanian Inter-Collegiate Conference “entitled “Political Development Techniques Enhancement at Jordanian Universities”, organized by Civil Society Development Center at JUST. (December 14, 2003 – January 4, 2004). JUST, Jordan.
- National Youth Meeting over Environment, organized by Higher Council for Youth and Civil Society Development Centre as part of the National Youth Strategy. (February 24 – 27, 2005). Amman Youth Hostel, Amman Jordan.
- Youth Media Open Day, organized by Civil Society Development Centre. (April 19, 2005) JUST, Jordan.
- Second North Meeting entitled “A Royal Vision for the Role of Jordanian Youth in the Reform and Development Process”, Organized by Civil Society Development Centre, Konrad Adenauer Foundation, and National Forum for Youth and Culture. (May, 26 – 28, 2005). JUST, Jordan.
- National Youth Meeting over Media, organized by Higher Council for Youth and Civil Society Development Centre as part of the National Youth Strategy. (July 14 – 16, 2005). Amman Youth Hostel, Amman Jordan.
- Reform and Development Workshop, organized by Civil Society Development Centre and Konrad Adenauer Foundation. (July 25 – 28, 2005). JUST, Jordan.
- Third North Forum entitled “Jordanian Parliamentary Elections: Future Readings by Jordanian Youth”, organized by Civil Society Development Centre, Konrad Adenauer Foundation, and National Forum for Youth and Culture. (March 2 – 4, 2006).

➤ Seminars and Lectures Delivered:

- Strategic planning for academic institutions. (Several workshops held in different institutions).
- Quality Management for academic programs. (Several workshops held in different institutions).
- Management of Change in Public and private institutions. (Several workshops held in different institutions).
- “Analysis and Design of Slopes and Earthfill Dams Under Static and Dynamic Loading”, March 1997. (4 days lectures). Invited by Jordan University of Science and Technology Alumni, Amman-Jordan.
- “Foundation Design on Expansive Soils”, September 1997. (3 days lectures). Invited by the Jordanian Engineers Association, Irbid-Jordan.
- “Foundation Design on Expansive Soils”, November 1997. (3 day lectures). Prepared by the Consulting Center at Jordan University of Science and Technology, Irbid-Jordan.
- “One Day Seminar in Geotechnical Engineering”, December 1997. Prepared by Jordan University of Science and Technology Alumni, Irbid-Jordan.
- “Dams in Jordan, a perspective in 2020”, May 1, 1998. Invited by Jordanian scouts society with association with Jordan Environmental Society, Amman-Jordan.
- “Water use and water saving devices in Jordan”, May 28, 1998. Invited by Jordanian Women Union with association with Jordan Environmental Society, Irbid-Jordan.
- “State of Water in Jordan,” July 4, 1998. Invited by Jordan Environmental Society, Dana Reserve, Jordan.
- “State of Water in Jordan”, July 7, 1998. Invited by Jordan Environmental Society, Muta University- Maan branch, Maan, Jordan.
- “Methods for Encountering Water Deficit in Jordan,” July 16, 1998. Invited by Jordan Environmental Society, Amman, Jordan.
- “Deterministic and Reliability Based Analysis and Design of Embankment and Slopes,” September 22, 1998. Invited by Jordanian Engineers Association, Amman, Jordan.
- “Engineering Reliability in Geotechnical Engineering,” November 11, 1998. Invited by Jordanian Engineers Association, Amman, Jordan.
- “Roller Compacted Concrete Dams A new Technology in Jordan,” December 17, 1998. Invited by Jordan University of Science and Technology Alumni, Amman, Jordan.

- “Probabilistic Analysis of King Talal Dam Slopes,” May 18, 1999. The sixth engineering day at Jordan University of Science and Technology, Irbid, Jordan.

➤ **Workshops Delivered:**

- “Overview of Environmental Public Awareness,” May 13, 1999. Invited by King Hussein Environmental Management Training Program, Amman, Jordan.
- “Environmental Public Awareness Programs,” May 15 - 19, 1999. Invited by King Hussein Environmental Management Training Program, Amman, Jordan.
- “Developing competencies for managing change,” May 14-24, 2000. Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, Held at JUST, Jordan.
- “Laboratory Testing for Engineering Soil Properties & Computer Interpretation of Test Results,” February 2001. (4 day lectures and lab work). Prepared by the Consulting Center at Jordan University of Science and Technology, Irbid-Jordan.
- “Slope Stability Analysis Using Stable 6.0 Computer Program,” April 2001. (3 day lectures and computer application). Prepared by the Consulting Center at Jordan University of Science and Technology, Irbid-Jordan.
- “Training of Trainers Workshop,” July 1-5, 2000. Prepared by Civil Society Development Center at JUST and The British Council/Jordan, funded by British Embassy, Held at JUST, Jordan.
- Needs Assessment for training needs of JUST Academic Staff, organized by Civil Society Development Center at JUST. Funded by the British Embassy/Jordan, (12 Nov., 2001). JUST, Jordan.
- Needs Assessment for training needs of JUST Administrative Staff, organized by Civil Society Development Center at JUST. Funded by the British Embassy/Jordan, (13 Nov., 2001). JUST, Jordan.
- Needs Assessment for training needs of JUST Students, organized by Civil Society Development Center at JUST. Funded by the British Embassy/Jordan, (15 Nov., 2001). JUST, Jordan.
- Leadership Skills workshop, organized by Civil Society Development Center at JUST. (7-11 April, 2002). JUST, Jordan.
- Leadership Skills workshop, organized by Civil Society Development Center at JUST. (20-22 May, 2002). JUST, Jordan.

- Political Development Enhancement in the Jordanian Universities, student workshops, part of the First Jordanian Collegiate Conference, organized by Civil Society Development Center at JUST. (December 14, 2003 – January 4, 2004). JUST, Jordan.
- Political Development Enhancement in the Jordanian Universities, universities Alumni workshop, part of the First Jordanian Collegiate Conference, organized by Civil Society Development Center at JUST. (January 5, 2004). JUST, Jordan.
- Political Development Enhancement in the Jordanian Universities, Deans of Student affairs workshop, part of the First Jordanian Collegiate Conference, organized by Civil Society Development Center at JUST. (January 7, 2004). JUST, Jordan.
- Political Development Enhancement in the Jordanian Universities, Political Specialists workshop, part of the First Jordanian Collegiate Conference, organized by Civil Society Development Center at JUST. (January 6, 2004). JUST, Jordan.
- Youth Initiatives Planning Workshop for Students of Jordanian Universities, organized by Civil Society Development Center at JUST. (December 23, 2004). JUST, Jordan.
- "Environment and Citizenship" workshop, part of the National Youth Meeting over Environment, organized by Higher Council for Youth and Civil Society Development Centre as part of the National Youth Strategy. (February 24 – 27, 2005). Amman Youth Hostel, Amman Jordan.
- "Effective Media in Civil Society" workshop, as part of Youth Media Open Day, organized by Civil Society Development Centre. (April 19, 2005) JUST, Jordan.
- Educational Reform workshop, part of Second North Meeting, Organized by Civil Society Development Centre, Konrad Adenauer Foundation, and National Forum for Youth and Culture. (May, 26 – 28, 2005). JUST, Jordan.
- "The Role of Civil Society Organizations in Media" workshop, part of the National Youth Meeting over Media, organized by Higher Council for Youth and Civil Society Development Centre as part of the National Youth Strategy. (July 14 – 16, 2005). Amman Youth Hostel, Amman Jordan.
- Educational Reform, part of Reform and Development Workshop, organized by Civil Society Development Centre and Konrad Adenauer Foundation. (July 25 – 28, 2005). JUST, Jordan.
- The Role of Media in Parliamentary Elections, part of the Third North Forum entitled “Jordanian Parliamentary Elections: Future Readings by Jordanian Youth”, organized by Civil Society Development Centre, Konrad Adenauer Foundation, and National Forum for Youth and Culture. (March 2 – 4, 2006).

- “Flood wave Propagation and Infiltration in Desert Regions” workshop, organized by Faculty of Engineering / Al al-Bayt University and USAID. (June 29-30, 2013).

International Registration Certificates:

EIT, State of Ohio.

Membership of National and International Organizations:

- American Society of Civil Engineers, ASCE, Associate Member.
- National Society of Professional Engineers, Member.
- Jordan Environmental Society, JES, Member.
- Mediterranean Eco-Media Network, Member.
- Friends of Plants Society, Member.
- Jordanian Engineering Association, Member.
- Youth Arab Students Association, Social Chair. (Sept. 1987-Dec. 1992).
- Jordan University of Science and Technology. Alumni Club, Secretary and Social Chair. (Dec. 1992-Dec. 1993).
- Jordan University of Science and Technology. Alumni Club, Vice President (May 1997-Aug. 1997).
- Jordan University of Science and Technology Alumni Club, President (Aug. 1997-Present).
- National Environmental and Wildlife Society, Treasurer. (Aug. 1997-Aug. 1999).
- Al-Mohandes Al-Ordony Journal, Editorial board member.

Publications:

1. Alawneh, A.S., **Nusier, O.K.** and Atiyeh, M. (2019) "A new Approach for Estimating Capacity of Driven Piles in Sand Under Tensile Loading." *Jordan Journal of Civil Engineering, Vol. 13, issue 3, Jordan.*
2. Abdalla, K.M., Al-Rousan, R.Z., Obaidat M.T., **Nusier, O.K.**, Bani Hani, K. and Lagaros, N.D. (2019) "The Impact of Asphalt Wearing Surface Thickness on Response of Two-Span Continuous Cast-in-Place Prestressed Concrete Box Girder Highway Bridge." *Journal of Engineering Science and Technology Review, Vol. 12, issue 1, Greece.*
3. Sharo, A., **Nusier, O.K.** and Rababah, F. (2019) "Time Dependent Capacity Increase for driven piles in cohesionless soil." *Jordan Journal of Civil Engineering, Vol. 13, issue 2, Jordan.*
4. Nikita S. Gibanov, Mikhail A. Sheremet, Hakan F. Oztop and **Osama K. Nusier** (2017) "Convective Heat Transfer of Ferrofluid in a Lid-driven Cavity with a Heat-Conducting Solid Backward Step Under the Effect of a Variable Magnetic Field, " *Numerical Heat Transfer, part A: Applications, DOI: 10.1080/10407782.2017.1353377.*
5. **Nusier, O.K.** and Abu Hamdeh N.H. (2015) "The Effect of Moisture and Density on Thermal Properties of Some Soils, " *SYLWAN Journal, Vol. 159, issue 1, Poland.*
6. Shawaqfah, M., Alqdah, I. and **Nusier, O.K.** (2015) "Water Resources Management Using Modeling Tools in Desert Regions: The Azraq Basin, Jordan." *International Journal of Modeling and Optimization vol. 5, no. 1, pp. 55-58.*
7. Almohd, I., **Nusier, O.K.**, Ashteyat, A.M. and Yamin, M.M. (2014) "Design of Geogrid Reinforced Earth Walls: Transition of Limits and Critical Surfaces." *Electronic Journal of Geotechnical Engineering (EJGE), Vol. 19 Bund.*
8. Al-Qaryouti, M.Y., Jaradat, R., Fahjan, Y., Diabat, A., Awawdeh, M., and **Nusier, O.K.** (2010) "Credible worst case earthquake scenarios of Amman

- Municipality, Jordan." 32th European Seismological Commission 32nd General Assembly, September 6-10, Montpellier, France.
9. Alawneh, A.S., **Nusier, O.K.** and Awamleh, M. (2009) "Time Dependent Capacity Increase for driven piles in cohesionless soil.", *Jordan Journal of Civil Engineering, Vol. 3, issue 1, Jordan.*
 10. **Nusier, O.K.**, Alawneh, A.S. and Abdullatif, B.M. (2009) "Small Scale Micropiles to Control Heave on expansive clays." *Ground Improvement Journal, Vol. 162 issue 1, ICE, UK.*
 11. **Nusier, O.K.** (2008) "Review for the Microfabric Effects on the Mechanical Behavior of Granular Materials." *the Inaugural International Conference of the Engineering Mechanics Institute (EM08), ASCE, May 18-21, 2008, Minneapolis, Minnesota, USA.*
 12. **Nusier, O.K.**, Almohd, I.M. and Jaradat, R.A. (2008) "Nonlinearity of Shear Strength and Stress-Strength Behavior and Induced Stress Predictions." (*ICCBT 2008*) *the International Conference on Construction and Technology, June 16-20, 2008, Kuala Lumpur, Malaysia.*
 13. Rousan, L.M. and **Nusier, O.K.** (2008) "Effect of Tillage Systems and Axle Load on Undisturbed Soil Hydraulic Properties." *Communications in Soil Science and Plant Analysis*, to appear in *Vol. 39, issue 17 & 18, USA.*
 14. **Nusier, O.K.** and Rousan, L.M. (2008) "Soil Air Permeability and Carbon Dioxide Flux Measurements from the Soil Surface." *Communications in Soil Science and Plant Analysis*, to appear in *Vol. 39, issue 9 & 10, USA.*
 15. Jaradat R.A., **Nusier, O.K.**, Awawdeh, M.M., Al-Qaryouti, M.Y., Fahjan, Y.M., Al-Rawabdeh, A.M and Diabat, A.A. (2008) "Deaggregation of Probabilistic Ground Motions for Selected Jordanian Cities." *Jordan Journal of Civil Engineering, Vol. 2, issue 2, Jordan.*
 16. Jaradat, R. A., Awawdeh, M. M., Fahjan, Y., Al-Qaryouti, M. Y., **Nusier O. K.**, Diabat, A. A. and Al-Rawabdeh, A. M. (2008) "Earthquake risk assessment of Greater Amman Municipality. UNDP project. " Uunder Atlas no. 51485.

17. **Nusier, O.K.**, Al-Mufty, A.A. and Jaradat R.A. (2008) "Determination of Saline Soil Specific Gravity." *Jordan Journal of Civil Engineering, Vol. 2, issue 1, Jordan.*
18. **Nusier, O.K.**, Alawneh, A.S. and Al-Rabadi, R.J. (2007) "Micropiles Reinforcement for Expansive Soils: Large-Scale Experimental Investigation." *Ground Improvement Journal, Vol. 11 issue 2, ICE, UK.*
19. Alawneh, A.S., **Nusier, O.K.** and Al Sharo', A. (2007) "Poisson's Ratio Effect on Compressive and Tensile Shaft Capacity of Driven Piles in Sand: Theoretical Formulation." *Computers and Geotechnics Journal, Vol. 34, issue 3, UK.*
20. **Nusier, O.K.** and Alawneh, A.S. (2006) "Kafrein Earth Dam Probabilistic Seismic Hazard Assessment." *Soil Mechanics and Foundation Engineering, Vol. 43 issue 6, Netherlands.*
21. Alawneh, A.S., **Nusier, O.K.** and Al-Mufty, A.A. (2006) "Reliability Based Assessment of Shallow Foundations Using Mathcad." *Geotechnical and Geological Engineering Journal, Vol. 24, issue 3, Netherlands.*
22. **Nusier, O.K.** (2004) "The Role of Media in Civil Society Development." Media and Human Rights Workshop, organized by Al-Ofog Dialogue Conference Center and Civil Society Development Center, funded by Inter-News Network. Intercontinental Hotel, (27- 30 June, 2004). Amman, Jordan.
23. **Nusier, O.K.** (2004) "Influence of Peatmoss on Hydraulic Properties and Strength of Compacted Soils." *Canadian Journal of Soil Science, Vol. 84, No. 1, Canada.*
24. **Nusier, O.K.** and Alawneh, A.S. (2004) "Micropiles Technique to Control Foundations Heave of Lightweight Buildings Over Expansive Soils." *Geotechnical and Geological Engineering Journal, Vol. 22, issue 1, Netherlands.*
25. **Nusier, O.K.** and Abu-Hamdeh, N.H. (2003) "Laboratory Techniques to Evaluate Thermal Conductivity for Some Soils." *Heat and Mass Transfer Journal, Vol. 39, No. 2, Netherlands.*

26. Alawneh, A.S., **Nusier, O.K.** and Mustafa Al-Kateeb (2003) "Dependency of Unit Shaft resistance on in-situ Stress: Observations Derived From Collected Field Data." *Geotechnical and Geological Engineering Journal*, Vol. 21, issue 1, Netherlands.
27. **Nusier, O.K.** and Alawneh, A.S. (2002), " Damage of Reinforced Concrete Structure Due to Severe Soil Expansion," *Journal of Performance of Constructed Facilities*, ASCE, Vol. 16, No. 1, USA.
28. **Nusier, O.K.**, Alawneh, A.S. and Malkawi, A.I. (2002) "Remedial Measures to Control Seepage Problem in Kafrein Dam/ Jordan." *Bulletin of Engineering Geology and the Environment*, Vol. 61, Netherlands.
29. Alawneh, A.S., Malkawi, A.I. and **Nusier, O.K.** (2001), "Distress Caused by Poor Quality Control in the Field Combined with Overloading: A case Study of a Four Story Building in Irbid Area-Jordan," *Journal of Performance of Constructed Facilities*, ASCE, Vol. 15, No. 1, USA.
30. Alawneh, A.S., **Nusier, O.K.**, Malkawi, A.I. and Mustafa Al-Kateeb (2001) " Axial Compressive Capacity of Driven Piles in Sand: A method Including Post-Driving Residual Stresses." *Canadian Geotechnical Journal*, Vol. 38.
31. **Nusier, O.K.**, Malkawi, A.I. and Liang, R. (2000), "Probabilistic Seismic Hazard Assessment of Kafrein Earthfill Dam/Jordan," Seventh Annual International Conference on Composites Engineering, July 2-8, 2000, Denver, Colorado, USA.
32. Liang, R.Y., **Nusier, O.K.** and Malkawi, A.I. (1999) "Reliability Based Approach for Evaluating Slope Stability of Embankment Dams." *Engineering Geology Journal*, volume/issue: 54/3-4, Netherlands.

33. **Nusier, O.K.**, Liang, R.Y, Malkawi, A.I. and Alawneh, A.S. (1999) "Probabilistic Analysis of King Talal Dam Slopes." 99 International Conference on dam Safety and Monitoring, 19-22 October 1999, TGP Site, Yichang, Huubei, China.
34. **Nusier, O.K.**, Malkawi, A.I., Alawneh, A.S., Al-Hatamleh, O.H. and Ababneh, J.M. (1999) "Seepage Control in Dam Rehabilitation a case study: Kafrein dam/Jordan." 99 International Conference on dam Safety and Monitoring, 19-22 October 1999, TGP Site, Yichang, Huubei, China.
35. Husien Malkawi, A.I.; Al-Homoud, A.S.; Al-Tarazi, E. and **Nusier, O.K.** (1995) "Probabilistic Seismogenic Ground Motion Hazard Assessment of Karak City in Jordan." Environmental and Engineering Geoscience, Vol. 1, No. 2, USA.
36. Husien Malkawi, A.I.; Liang, R.Y. and **Nusier, O.K.** (1995) "Seismicity of Jordan and Conterminous Countries" Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, April 2-7, 1995, in St. Louis, Missouri, USA.
37. Husien Malkawi, A.I.; Al-Homoud, A.S. and **Nusier, O.K.** (1995) "Effect of Earthquake Record on Dynamic Site Periods and Amplification Due to Local Site Effect" Proc. Six'th Arabic Conference on Structural Engineering, Damascus, Syria.

References:

Marouf Al-Bakhit
Former Chairman, Board of Trustees, American university of Madaba
Former Prime Minister of Jordan
Amman, Jordan
(962)777205000

Professor Wajeh Owais, Ph.D.
Former Minister of Higher education and Research
Former President, Jordan University of Science and Technology
Amman, Jordan
(962) 796660006

Professor Abdallah Malkawi, Ph.D.
President, Fahed Bin Sultan University
Tabuk, Saudi Arabia
(966) 543436166

Professor Natheer Abu Obeid, Ph.D.
Former President, German Jordanian University
Amman, Jordan
(962) 797773537