



Prof. Osama K. Nusier

Civil Engineering Department
Jordan University of Science and Technology (JUST)
Irbid 22110, JORDAN
Office: (962) -2-7201000 ext. 27511
Home: (962) – 2-7104800
Mobile: (962) -79- 9066999
e-mail: nosama@just.edu.jo

Current Position:

Dean / Student Affairs Deanship
Professor / Civil Engineering Department
President / JUST Alumni Club

Personal:

Born: Sept. 25, 1969
Marital Status: Married (Randa) with three childs (Shawd, Jana and Limar)
Position: Professor in Civil Engineering

Summary of Qualifications:

Excellent skills acquired in Civil Engineering supported by a B.Sc. in Water Resources and Environmental Engineering, M.Sc. and Ph.D. in Geotechnical Engineering. Experienced in design, analysis, and teaching and research in the field of 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, seepage control in dams. Published/submitted several papers in international peer reviewed journals and conference proceedings. Worked extensively with well-known computer software packages. Working as a trainer in public awareness programs (PA) and participatory rapid Appraisal (PRA). In addition, working as a volunteer lecturer at Jordan environmental society in water and environmental issues. And working as a trainer in civil society development issues and human resources upgrading and founder of civil society development center at Jordan university of science and technology.



Education:

Ph.D. (Geotechnical Eng.), The University of Akron (Akron, OH 44325). 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".

Professional Experience:

Research Experience:

June 2000-Sept. 2000 Research Associate, The University of Akron (Akron, OH 44325).
"Working in modeling stabilizing slopes using drilled shafts using Centrifuge technology" at Case Western Reserve University structural Lab, Cleveland, OH.

Dec. 1996-Sept. 1997 Research Associate, Jordan University of Science and Technology.
"Working on seepage control on Kafrein dam, settlement assessment and evaluation of Karameh embankment dam".

Jan. 1994-Dec. 1996 The University of Akron (Akron, OH 44325).
Advisor: Prof. Robert Y. Liang, Chairman of Civil Eng. Dept.
Design and analysis in the field of Geotechnical Engineering (Analysis, design, instrumentation and monitoring of pile foundations and drilled shafts under Dynamic and static loading).
Reliability models for evaluation the stability of earthfill dams and roller compacted concrete gravity dams.

Sept. 1992-Jan. 1994 Jordan University of Science and Technology (Irbid, Jordan):
Analysis, design and stabilization of slopes and embankments.
Analysis and design of dams slopes under static and earthquake loading. Seismic hazard assessment (macro and micro zonation).
Physico-chemical studies of Irbid soils.

Jan. 1992-Sep. 1992 Lab. Engineer: Al Karasneh Eng. Office (Irbid, Jordan).
Soil and material testing for construction sites.

Teaching Experience:

- Dec. 2008-Present 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),
- Sept. 1998-Dec. 2003 Assistant Professor in Geotechnical Engineering, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan),
- Sept. 1997-Sept.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).
- Sept. 1992-Jan. 1994 Teaching Assistant, Civil Engineering Department, Jordan University of Science and Technology, (Irbid, Jordan).

Courses taught:

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

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



Consultancy:

1. Consultant to the Minister of Social Development (Juvenile centers reform)/ Jordan. Oct. 2002-Oct. 2003
2. Policies and Strategies Consultant at the Ministry of Political Development (Jordanian youth Parliament) / Jordan. March 2006 – Sept. 2006.
3. Member of Board of Directors / Housing and urban Development corporate/ Jordan. January 2010 – present.
4. Member of the committee responsible for preparing the national dialogue on university violence / Ministry of Higher Education and Scientific Research.
5. Member of the committee responsible for preparing a strategy for reducing university violence / Ministry of Higher Education and Scientific Research.
6. 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.

Thesis Committee Serving:

- 1) *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).
- 2) *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).
- 3) *Experimental approach for evaluating soil damping for driven piles*, by Iz-Aldeen Ayasreh, Master of Science in Civil Engineering, JUST, Aug. 1998. (Examining Committee member).
- 4) *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).
- 5) *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).
- 6) *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).



- 7) *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).
- 8) *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).
- 9) *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).
- 10) *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).
- 11) *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).
- 12) *Time Dependent Capacity Increase for driven piles in cohesionless soil*, by Murad Awamleh, Master of Science in Civil Engineering, JUST, January 2007 (Co-Advisor).
- 13) *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).
- 14) *Geotechnical Mapping for Irbid Soil Using GIS*, by Abdalah Gharaybeh, Master of Science in Civil Engineering, JUST, July 2009 (Advisor).

Activities:

1. American Society of Civil Engineers, ASCE, Associate Member.
2. National Society of Professional Engineers, Member.
3. Jordan Environmental Society, JES, Member.
4. Mediterranean Eco-Media Network, Member.
5. Friends of Plants Society, Member.
6. Jordanian Engineering Association, Member.
7. Youth Arab Students Association, Social Chair. (Sept. 1987-Dec. 1992).



8. Jordan University of Science and Technology. Alumni Club, Secretary and Social Chair. (Dec. 1992-Dec. 1993).
9. Jordan University of Science and Technology. Alumni Club, Vice President (May 1997-Aug. 1997).
10. Jordan University of Science and Technology Alumni Club, President (Aug. 1997-Present).
11. National Environmental and Wildlife Society, Treasurer. (Aug. 1997-Aug. 1999).
12. Al-Mohandes Al-Ordony Journal, Editorial board member.

University Service:

1. Dean / Student Affairs Deanship.(Sept. 2010 to Present).
2. Editor / Rehab al Jamea News Paper. (Sept. 2010 to present)
3. University Students Discipline Committee, Chairperson. (Sept. 2010 to present).
4. Graduation Ceremony Committee Chairperson. (Sept. 2010n to present)
5. Director / Civil Society Development Center. (November 2002 to Sept. 2006).
6. Assistant Dean / Faculty of Graduate Studies. (March 2001 to Sept. 2003).
7. President / Jordan University of Science and Technology Employee Club, (Feb. 2000-Aug. 2000).
8. Chairperson of Geotechnical Engineering Division, Civil Engineering Department, JUST. (Sept. 1999 to Sept. 2000)
9. Civil Engineering Department Social Committee, Member. (Sept 1998 to Dec. 2001).
10. Queen Rania Al-Abdullah Center for Environmental Sciences & Technology Advisory Committee, Member (Sept. 2000 to Sept. 2002)
11. Civil Engineering Department Graduate Studies Committee, Member. (Sept 2000 to Sept. 2003).
12. Civil Engineering Department Scientific Research Committee, Member. (Sept 2001 to Sept. 2002).



13. University Students Discipline Committee, Member. (Sept. 2000 to Sept. 2002).
14. University Graduate Studies Council, Secretary. (March 2001 to Sept. 2003).
15. University Scientific Research Council, Member. (March 2001 to Sept. 2003).
16. Jordan University of Science and Technology Council, Member. (Sept. 1999 to present).
17. University Special Accreditation Committee, Member. (Sept. 2001 to Sept. 2003).
18. Coordinator of MED Project "Toward Democratic Thinking," funded by European Union, implementing by British council/Jordan and JUST. (June 1999 to May 2001)
19. Coordinator for the establishment of Civil Society Development Center. (May 2001 to November 2002)

Registration:

EIT, State of Ohio.

Honors and Awards:

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



6. Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan. (Jan. 1991).
7. Honorary Certificate for outstanding student, Jordan University of Science and Technology. Irbid, Jordan. (May. 1990).

Computer:

Systems: VAX, IBM Mainframe and IBM-PC's.

Languages: FORTRAN, and C++.

Packages: Familiar with a variety of Geotechnical computer software. Microsoft Package (Word, Excel, Power Point).

Funded Projects:

1. *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- present. Amount 3600 JD.
2. *Physico-Chemical Effect on Expansive soils Behavior due to Adding Fly-Ash and Superplasticizer*, Funded by Deanship of Scientific Research at Jordan University of Science and Technology. Contract No. 72/99, Aug. 1999- present. Amount 3600 JD
3. *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, December 2000-present. Amount 5000 JD.
4. *Toward Democratic Thinking Project*, Funded by European Union, implementing in cooperation with British council/Jordan and JUST. Sept. 1999 – April 2001, Amount 170,000 Euro.
5. *Civil Society Development Centre establishment at JUST*, Funded by British Embassy/Jordan, in cooperation with British council/Jordan. May 2001 – present, Amount £108,000.
6. *Youth Participation in the 2001 Parliamentary Elections*, Funded by British Embassy/Jordan, in cooperation with British council/Jordan, Jordan University, and JUST. May 2001 – present, Amount £20,000.
7. *Women in Parliament Project*, Funded by European Union, implementing in cooperation with British council/Jordan, Jordan University and JUST. August 2001 – present Amount 635,630 Euro.
8. *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”, October 2007 – 2009, Amount \$90,000.



Conferences Attend

1. *Inaugural International Conference of the Engineering Mechanics Institute (EM08), ASCE, May 2008, Minneapolis, Minnesota, USA.*
2. *The International Conference on Construction and Technology (ICCBT 2008), June 2008, Kuala Lumpur, Malaysia.*
3. *Geo-Jordan 2004 Advances in Geotechnical Engineering with emphasis on Dams, Highway materials and soil improvement, July 12-15, 2004, Irbid, Jordan.*
4. *Roller Compacted Concrete dam construction in Middle east, International Conference, April 7-10, 2002, Irbid, Jordan.*
5. *Seventh Annual International Conference on Composites Engineering, July 2-8, 2000, Denver, Colorado, USA.*
6. *99 International Conference on dam safety and Monitoring, China, (1999).*
7. *Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, April 2-7, 1995, in St. Louis, Missouri, USA.*
8. *Six'th Arabic Conference on Structural Engineering, 1995, Damascus, Syria*

Courses:

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



5. 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.
6. 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.

Workshop and Forums:

- 1) Training Workshop on human resources building for Jordan Environmental Society middle of Jordan branches, (4 – 6 July 1998). Dana Reserve, Jordan.
- 2) Training Workshop on year 2000 Version of ISO 9000, (17 Aug. 1998). Amman-Jordan.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.



- 9) 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.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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
- 14) 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
- 15) 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.
- 16) Second Jordan Youth Forum, organized by King Abdullah II for Development Fund. Moevenpick Resort, (17, 18 July, 2004). Dead Sea, Jordan.
- 17) 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.



- 18) National Health Awareness Strategy Priorities (North Governance Workshop), organized by John Hopkins University. Masaya Hall, (21 September, 2004). Irbid, Jordan.
- 19) 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.
- 20) National Strategy for Jordanian Families Workshop, organized by National Council for Family Affairs. Sheraton Hotel, (9 October, 2004). Amman, Jordan.
- 21) National Workshop for Homes for poorer families, organized by Ministry of Planning and International Cooperation. Marriot Hotel, (9,10 October, 2004). Dead Sea, Jordan.

Seminars and Lectures Delivered:

1. “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.
2. “Foundation Design on Expansive Soils”, September 1997. (3 days lectures). Invited by the Jordanian Engineers Association, Irbid-Jordan.
3. “Foundation Design on Expansive Soils”, November 1997. (3 day lectures). Prepared by the Consulting Center at Jordan University of Science and Technology, Irbid-Jordan.
4. “One Day Seminar in Geotechnical Engineering”, December 1997. Prepared by Jordan University of Science and Technology Alumni, Irbid-Jordan.
5. “Dams in Jordan, a perspective in 2020”, May 1, 1998. Invited by Jordanian scouts society with association with Jordan Environmental Society, Amman-Jordan.
6. “Water use and water saving devices in Jordan”, May 28, 1998. Invited by Jordanian Women Union with association with Jordan Environmental Society, Irbid-Jordan.
7. “State of Water in Jordan, ” July 4, 1998. Invited by Jordan Environmental Society, Dana Reserve, Jordan.

8. “State of Water in Jordan”, July 7, 1998. Invited by Jordan Environmental Society, Muta University- Maan branch, Maan, Jordan.
9. “Methods for Encountering Water Deficit in Jordan, ” July 16, 1998. Invited by Jordan Environmental Society, Amman, Jordan.
10. “Deterministic and Reliability Based Analysis and Design of Embankment and Slopes, ” September 22, 1998. Invited by Jordanian Engineers Association, Amman, Jordan.
11. “Engineering Reliability in Geotechnical Engineering, ” November 11, 1998. Invited by Jordanian Engineers Association, Amman, Jordan.
12. “Roller Compacted Concrete Dams A new Technology in Jordan, ” December 17, 1998. Invited by Jordan University of Science and Technology Alumni, Amman, Jordan.
13. “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:

1. “Overview of Environmental Public Awareness, ” May 13, 1999. Invited by King Hussein Environmental Management Training Program, Amman, Jordan.
2. “Environmental Public Awareness Programs, ” May 15 - 19, 1999. Invited by King Hussein Environmental Management Training Program, Amman, Jordan.
3. “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.
4. “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.
5. “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.



6. "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.
7. 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.
8. 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.
9. 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.
10. Leadership Skills workshop, organized by Civil Society Development Center at JUST. (7-11 April, 2002). JUST, Jordan.
11. Leadership Skills workshop, organized by Civil Society Development Center at JUST. (20-22 May, 2002). JUST, Jordan.
12. 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.
13. 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.
14. 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.
15. 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.
16. Youth Initiatives Planning Workshop for Students of Jordanian Universities, organized by Civil Society Development Center at JUST. (December 23, 2004). JUST, Jordan.



17. "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.
18. "Effective Media in Civil Society" workshop, as part of Youth Media Open Day, organized by Civil Society Development Centre. (April 19, 2005) JUST, Jordan.
19. 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.
20. "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.
21. Educational Reform, part of Reform and Development Workshop, organized by Civil Society Development Centre and Konrad Adenauer Foundation. (July 25 – 28, 2005). JUST, Jordan.
22. 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).

Organization of events:

1. Toward democratic thinking project, organized by JUST and The British Council/Jordan. Funded by European Union, Held at JUST, Jordan. (May 14-24, 2000).
2. 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.
3. 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.
4. Youth Media Open Day, organized by Civil Society Development Centre. (April 19, 2005) JUST, Jordan.
5. 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.
6. 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.
7. Reform and Development Workshop, organized by Civil Society Development Centre and Konrad Adenauer Foundation. (July 25 – 28, 2005). JUST, Jordan.
8. 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).

Publications:

1. Abdulla, F., **Nusier, O.K.** and Eshtawi, T. (2012) "Sediment yield estimation at King Talal Dam using Soil and Water Assessment Tool (SWAT)." Under review, *International Journal of Environmental Studies*.
2. **Nusier, O.K.**, Alawneh, A.S. and Noor, K.J. (2012) "Modeling Load-Displacement Response of Driven Piles in Cohesionless Soils under Compressive Loading." Submitted for publication to *Canadian Geotechnical Journal, Canada*.
3. **Nusier, O.K.** (2012) "Temperature Fluctuations of Soil Columns at Wetting Front During Infiltration." Under review, *Soil Science Society of America Journal*.
4. 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*.
5. **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*.
6. **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*.
7. **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*.



8. 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*.
9. **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*.
10. 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*.
11. **Nusier, O.K.**, Al-Mufti, A.A. and Jaradat R.A. (2008) "Determination of Saline Soil Specific Gravity." *Jordan Journal of Civil Engineering*, *Vol. 2, issue 1, Jordan*.
12. **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*.
13. 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*.
14. **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*.
15. Alawneh, A.S., **Nusier, O.K.** and Al-Mufti, A.A. (2006) "Reliability Based Assessment of Shallow Foundations Using Mathcad." *Geotechnical and Geological Engineering Journal*, *Vol. 24, issue 3, Netherlands*.



16. **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.
17. **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.*
18. **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.*
19. **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.*
20. 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.*
21. **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.*
22. **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.*

23. 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.*
24. 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.*
25. **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.
26. Liang, R.Y., **Nusier, O.K.** and Malkawi, A.I. (1999) "Reliability Based Approach for Evaluating **Nusier** Slope Stability of Embankment Dams." *Engineering Geology Journal, volume/issue: 54/3-4, Netherlands.*
27. **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.
28. **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.
29. 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.*



30. 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.
31. 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.

Software Packages:

1. **Nusier, O.K.**, and Liang, R.Y. (1996) “**RESLOP:**, Reliability Based Slope Stability Program for Multilayered Embankment Dams”.
2. **Nusier, O.K.**, and Liang, R.Y. (1996) “**AKREL:**, Akron Reliability Analysis Program for Geotechnical Structures”.



References:

Professor Wajih Owies, Ph.D.
Minister of Higher Education and Scientific Research
Amman, Jordan
(962) 776816000

Professor Rowaida Maita, Ph.D.
Former Minister of Higher Education and Scientific Research
Amman, Jordan
(962) 779900117

Sa'ad Hijazi, Ph.D.
Former President / Jordan University of Science and Technology
Irbid, Jordan
(962) 795604080