

**PROFESSOR NABIL M. AL-JOULANI, Ph.D., P.Eng.**  
*Full Professor of Civil & Geo-Environmental, Eng.*  
*Palestine Polytechnic University-College of Eng. & Technology*  
*Email: [njoulani@ppu.edu](mailto:njoulani@ppu.edu) ; [nmjoulani@gmail.com](mailto:nmjoulani@gmail.com)*

<https://scholar.google.com/citations?hl=en&user=6-y9VbYAAAAJ>

---

---

*Tel : 00970-2-2256747*

*Mobile:970-598-901451*

---

---

### **EDUCATION:**

- Philosophy Doctorate  
*Civil Engineering, Civil , Geotechnical ,Geo-environmental Branch (Carleton University, Ottawa, Ontario, June 1995)*
- Master of Science  
*Civil Engineering, Geotechnical Branch (University of Petroleum and Minerals, Dhahran, Saudi Arabia, June, 1987)*
- Bachelor of Engineering  
*Civil Engineering (King Abdulaziz University, Jeddah-Saudi Arabia, November. 1983)*
- Professional Engineer  
*Affiliated with Professional Engineers (OPE), Ontario Canada, (March,1997)*
- Consultant Engineer : The Palestinian Engineering Society (2017)

### **Current Position:**

*Full Professor of Civil and Geo-Environmental and Infrastructure Engineering – Palestine Polytechnic University, PPU*

### **AWARDS:**

<i>Feb 2010 – June 2010</i>	<i>Short term Fellowship, New Jersey Institute of Technology, USA</i>
<i>Sept 1990 - June 1995</i>	<i>Carleton University Graduate Fellowship</i>
<i>Sept 1990 - Sept 1991</i>	<i>Carleton University International Fee Waiver Scholarship</i>
<i>Sept 1984 - June 1987</i>	<i>University of Petroleum and Minerals Graduate Fellowship</i>
<i>Sept 1978 - June 1983</i>	<i>King Abdul Aziz University Undergraduate Scholarship</i>

### **WORK EXPERIENCE:**

- ◆ **Local Project Consultant With AI Infra-Tech Engineering and Consultation Services. “ Design of Storm Water Recharge System for Jericho Gate Project, Jericho – Palestine. (2020).**
- ◆ **Local Project Monitor and Consultant for the board of Directories (LPM) ”Palestinian Red Crescent in Hebron” - Consultant of Parking Lots (1200 square meters).**
- ◆ **Consultant with Applied Research Institute – Jerusalem (ARIJ). Identification of Priority Pollution Hotspots and Sensitive Areas in Palestine, 2015**
- ◆ **Local Project Monitor and Consultant with HydroPlan - Dutch Company (LPM), Construction of Al Minya Landfill (250,000 Square Meters Area), – Hebron Bethlehem governorate – Palestine (2012), the work includes geological, geotechnical and geo-environmental issues related to Landfill Construction and lining.**
- ◆ *Visiting Professor, Civil Eng. Dept. BirZeit University, Ramallah – Palestine, August –Feb., 2011*
- ◆ *Visiting Professor, Civil Eng. Dept. New Jersey Institute of Technology, New Jersey U.S.A., Feb. to May, 2010. (On Palestinian Faculty Development Program PFDPP)*
- ◆ *Associate Professor, Civil Eng. Dept. PPU, Hebron, Palestine, Dec. 2009-Now*
- ◆ *Chairman of Civil and Architectural Engineering Department, Palestine Polytechnic University (PPU), Sept 2005 - August 2007.*
- ◆ *Assistant Professor, Civil Eng. Dept. PPU, Hebron, Palestine, Sept. 1997-2009*
- ◆ *Director of the department of services and technical consultation, PPU, Sept. 2003 – August 2004*
- ◆ *Teaching and Research Assistant, Civil Engineering Department Carleton University, Ottawa, Ontario. (September 1990 - June 1995)*
- ◆ *Lecturer, Civil Engineering Department, King Abdul Aziz University, Jeddah-Saudi Arabia.( July 1987- August 1990)*
- ◆ *Teaching and research assistant, Civil Engineering Department, University of Petroleum and Minerals, Dhahran-Saudi Arabia, (September 1984 - April 1987)*

## **MEMBERSHIP of PROFESSIONAL ORGANIZATION**

- Member of the Palestinian International Arbitration Chamber, 2015
- Affiliated with Professional Engineers Ontario (PEO), Ontario-Canada, March 1997-Now
- Member of the International Arbitration Organization, Cairo, Egypt, 2014
- Legal Arbitrator & Mediator at the Ministry of Justice, Palestine, 2014
- Affiliated with the Society of Jordanian Engineers, Amman-Jordan, July 1998-Now
- Affiliated with the society of Palestinian Engineers, Jerusalem, July 1998-Now
- Member of the Palestine Academy of Science and Technology
- Member of the World Society of Sustainable Energy Technologies (WSSET)
- Editorial board member, Palestinian Journal of Engineers, 2002-2004
- Editorial Board for the Palestinian Cities Report Initiative, Palestine, 2014
- Reviewer of the Journal of Waste Management “Hindawi Publishing Corporation”

## **FUNDED PROJECTS**

1- Palestinian Dutch Academic Cooperation in the Water (PADUCO) project, 2013-2015. Member of the Technical Advisory Committee (TAC), from the Palestine Polytechnic University. The project is collaboration between 5 Palestinian Universities and 5 Dutch Universities in the area of water (Education, Training and Research).

2- Modernization of Teaching Methodologies in Higher Education: EU experience for Jordan and Palestinian Territory (METHODS), TEMPUS Project. Collaboration between Palestinian, Jordanian and EU Universities in the area of Higher Education Modernization and Development specially in the Information Communication Technology (ICT). Contact Person and steering committee member.

## **CONFERENCES, SEMINARS AND WORKSHOPS AND TRAINING COURSES**

- The Forth International Conference on Energy and Environmental Protection in Sustainable Development ( ICEEP IIII), April, 6-7, 2016, Hebron, West bank, State of Palestine
- Palestinian – Dutch Academic Cooperation Program on Water (PADUCO), 2<sup>nd</sup> Conference, 28 October 2015, Netherlands
- Workshop on Water Harvesting and Managed Aquifer Recharge, International State of the Art and Needed Research in Palestine, Monday and Tuesday 26-27 of October 2015. IGRAC/Unesco - IHE Delft University, Netherlands.
- Workshop on Teaching and Learning in Higher Education, Oxford Brooks University, UK, 6-13/6/2015
- Workshop on establishment of environmental forum in Hebron Governorates, Governorate of Hebron, 25/1/2015
- Workshop on Teaching and Learning in Higher Education, Lund University, Sweden, 4-11/1/2015
- Speaker, Workshop on Course Design & Quality in Higher Education, Palestine Polytechnic University, 16/9/2014, Hebron
- Speaker, Workshop on Evaluation and Assessment in Higher Education, Palestine Polytechnic University, 26/9/2014, Hebron
- Workshop on Teaching and Learning in Higher Education, Hungaria , Budapest, Central Europe University, 23-30/8/2014
- Workshop on Teaching and Learning in Higher Education, Palestine Polytechnic University, 17,18 and 19/3/2014, Hebron
- Keynote Speaker, Workshop on “Sustainable Stone and Marble Industry: Clean Production, Waste Management and Eco-Innovation”, Ramallah, Sponsored by Horizon2020, 10-11 March 2014.
- Keynote Speaker, Workshop on “From Waste To Profit”, Utilization of Stone Shurry Waste in New Construction Materials, Sponsored by USAID and UNIDO, December 10, 2013, The Palestine Polytechnic University.
- Editor and Chair of Scientific Committee, The Third International Conference on Energy and Environmental Protection in Sustainable Development ( ICEEP III), October 9-10, 2013, Hebron, West bank, State of Palestine
- Round Table Seven, “Development and Management of Continuing Education”, March 16-17, 2012, AMIDEAST
- Academic Colloquium , Palestinian Faculty Development Program (PFDP), PADICO House, Ramallah, July 12-13, 2012
- Round Table Nine, “Leadership in Higher Education”, May 18-19, 2012, AMIDEAST
- Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012, (ZEC Infrastructure 2012), June 18-20, 2012, Amman – Jordan.
- Training Course on “Polluted Sites Management, Theory and Case Studies”., Cagliari, Italy 12<sup>th</sup>-17<sup>th</sup> December, 2011.
- The 1<sup>st</sup> International Conference on Environmental Management and Technology , Nov. 1-3, 2010, Amman, Jordan.
- The 2<sup>nd</sup> International Conference on Energy and Environmental Protection in Sustainable Development, Palestine Polytechnic University (PPU), Nov. 10-12, 2009.
- Training Course on: “Capacity Building in Environmental Related Issues in the Field of Geo-mining: Remote Sensing and other Environment-related Issues”, Iglesias, Montepioni, Cagliari, Italy, 17-30 May 2009

- *The 3rd Arab Workshop on Cleaner Production, Royal Scientific Society, Amman - Jordan 2-4 Feb. 2009*
- *Seminar of Excellent in Teaching (SET), January 17-23, 2009 , AMIDEAST. Certificate Awarded*
- *The International Conference on Energy and Environmental Protection in Sustainable Development, Palestine Polytechnic University (PPU), May 8-9/2007.*
- *Negotiation and Mediation Training for Environmental Professionals, A 3 years course conducted by The Consensus Building Institute, on Behalf of the Joint Environmental Mediation Service (JEMS). Jerusalem, 2001-2003*
- *Environmental Management Program Workshop, Galilee College (Feb 8-20, 2004)*

### **SUPERVISION OF PhD, MSc AND GRADUATE PROJECTS**

- *Advisor of MSc. Thesis, " The Stone Slurry in Palestine from Environmental Burden to Economic Opportunities" Nidal Salah, Bethlehem University, International Cooperation and Development (MICAD), 2014*
- *External advisor of PhD Thesis, World University-USA, (Student: Khaled Taradeh, 2007*
- *Co-advisor of MSc thesis, in Al-Quds University, Abu Dees, 2006 (Student: Ibrahim Jabareen)*
- *Supervised More Than 25 Senior Projects at PPU, Civil Engineering Dept.*

**COMPUTER SKILLS:** Windows XP, MS Office, HTML Programming

### **RELEVANT COURSES TAUGHT**

<u>Course Name</u>	<u>Times taught</u>	<u>Course Name</u>	<u>Times taught</u>
Soil Mechanics I & II	> 20	Highway Engineering	5
Soil Mechanics II	> 20	Traffic Engineering	7
Foundation Engineering	> 20	Contracts and Cost Analysis	10
Pavement Design	10	Geology & Earth Sciences	> 20
Scientific Research Methods	15	Construction Materials	7
Professional Practice in Eng.	3	Civil Engineering Materials	7

### **RESEARCH INTEREST:**

- *Geosciences, Geotechnical and Geo-environmental, soil contamination and remediation*
- *Utilization of industrial solid waste and by product stone waste as building materials, (Waste to Profit Concept)*
- *Bearing Capacity & Soil-structure interaction problems*

### **PUBLICATIONS:**

- 1- *Nabil Al-Joulani , (2019) , " Effect of Using Tertiary Treated Wastewater from Nablus Wastewater Treatment Plant (NWWTP), On Some Properties of Concrete " , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-11, September 2019.  
<https://www.ijitee.org/wp-content/uploads/papers/v8i11/k17090981119.pdf>*
- 2- *Nabil Al-Joulani and Riyad Awad, "The Effect of Using Wastewater from Stone Industry in Replacement of Fresh Water on the properties of Concrete" , Journal of Environmental Protection (JEP), Vol. 10 No. 2, February 2019.  
<https://www.scirp.org/journal/paperinformation.aspx?paperid=90575>*
- 3- *Nabil Al-Joulani, "Stabilization of Stone Slurry Waste With Cement and Cohesive Soils" , International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, V.11, No.9, pp.6236-6243.  
[http://www.ripublication.com/ijaer16/ijaerv11n9\\_27.pdf](http://www.ripublication.com/ijaer16/ijaerv11n9_27.pdf)*
- 4- *Nabil Al-Joulani, " Effect of Waste Water Type on Concrete Properties", International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, V. No. 10, No. 19, pp. 39865-39870.  
[http://www.ripublication.com/ijaer10/ijaerv10n19\\_02.pdf](http://www.ripublication.com/ijaer10/ijaerv10n19_02.pdf)*
- 5- *Nabil Al-Joulani, "Utilization of Different Types of Waste Water in Concrete Production in Palestine", PADUCO 2<sup>nd</sup> Conference, 28 October 2015 , in The Hague, The Netherlands.*
- 6- *Nabil Al-Joulani, Nidal Salah, "The Stone Slurry in Palestine from Environmental Burden to Economic Opportunities- Feasibility Analysis" , Journal of Environmental Protection (JEP), Vol. 5 No. 12, 2014, pp. 1075-1090,  
<http://www.scirp.org/journal/JEP/>*

- 7- Nabil Al-Joulani, "Utilization of Stone Slurry Powder in Production of Artificial Stones", *Research Journal in Engineering and Applied Sciences ( RJEAS )*, Vol.3 No.4, July 2014, [http://rjeas.emergingresource.org/issuesview.php?id=115@issue\\_name=Volume%203%20Number%204&issue\\_month=July&issue\\_year=2014](http://rjeas.emergingresource.org/issuesview.php?id=115@issue_name=Volume%203%20Number%204&issue_month=July&issue_year=2014)
- 8- Nabil Al-Joulani, "Effect of Rubber and Leather Wastes on Concrete Properties", *Third International Conference on Energy and Environmental Protection in Sustainable Development ( ICEEP III)*, October 9-10, 2013, Hebron, West bank, State of Palestine
- 9- Nabil Al-Joulani, "Recycling of Stone Slurry Waste in Artificial Stones Production", *Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure*, June 18-20, 2012 Amman, Jordan
- 10- Nabil Al-Joulani and Sahim Murshid, "Solidification of Stone Slurry Waste with Cement and Cohesive Soils" *Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure*, June 18-20, 2012 Amman, Jordan
- 11- Nabil Al-Joulani, "Effect of Stone Powder and Lime on Strength, Compaction and CBR Properties of Fine soils", *Jordan Journal of Civil Engineering*, Vol. 6 No. 1, January 2012.
- 12- Nabil Al-Joulani, "Sustainable Utilization of Stone Slurry Waste in the West Bank", *Geo-Frontiers 2011*, Pp 1345-1354 Dallas, Texas-USA.
- 13- Jay N. Meegoda, Sheng-Yan Gao, Al-Joulani N.M.A and Hu Liming, "Solid Waste and Ecological Issues of Coal to Energy". *ASCE Journal of Hazardous Toxic, and Radioactive Waste Management*, Vol. 15, (2), pp. 99-107, April 2011
- 14- Jay N. Meegoda, Sheng-Yan Gao, Al-Joulani N.M.A and Hu Liming, "Solid Waste and Ecological Issues of Coal to Energy". *3<sup>rd</sup> International Conference for Waste Treatment, WasteEng10*, May 17-20, 2010. Beijing, China.
- 15- Nabil Al-Joulani, "Effect of Water Quality on Properties of Concrete". *The first International Conference on Environmental Management and Technology*. Pp. 243-257, 1-3 November, 2010, Amman, Jordan.
- 16- Nabil Al-Joulani, "Ground pollution Due to Stone Cutting Industry, Case Study – Hebron District", *The Journal of Solid Waste Technology and Management*, Volume 35, No 4, November 2009.USA.
- 17- Nabil Al-Joulani, "Soil Contamination in Hebron District Due to Stone Cutting Industry"., *Jordan Journal of Applied Science*, Volume 10, No. 1, 2008.
- 18- Nabil Al-Joulani, "Soil Contamination in Hebron City Due to Stone Cutting Industry", *The International Conference on Energy and Environmental Protection in Sustainable Development, Palestine Polytechnic University (PPU)*, May 8-9, 2007.
- 19- Nabil Al-Joulani " Effect of Stone Slurry Waste on Strength, Permeability and Compressibility of Clayey and Sandy Soils", *Jordan Journal of Applied Science*, Volume 9, No. 2, 99-112, Amman-Jordan , (2007)
- 20- Nabil Al-Joulani, "STONE SLURRY PVC PIPES", *PATENT No. 88, Al-Waqa'e Journal No 38, Palestinian Ministry of Commerce and Industry*, June 2006.
- 21- Al-Joulani Nabil, "Engineering Properties, Industrial and Structural Applications of Stone Slurry Waste", *Jordan Journal of Applied Science*, Vol. 9, No.1, pp. 13-23, (2007). Amman-Jordan.
- 22- Nabil Al-Joulani "Engineering Properties of Slurry Waste from Stone Cutting Industry in the West Bank" , *First Palestinian Environmental Symposium , Hebron, Palestine Polytechnic University*, 28-29 March , 2000. Hebron, West Bank
- 23- Nabil Al-Joulani, "Improving Engineering Properties of Stone Slurry Waste by Cementing Materials", *Conference, Hebron in The Past, Today and Tomorrow, Hebron-Palestine*, April 26-28, 2000.
- 24- Al-Joulani Nabil, "Rehabilitation of Palestinian Engineers For Globalization", *Conference of Engineering Education in Palestine Reality and Ambition. Palestine Polytechnic University, Hebron- Palestine*. PP. 127-149. 2005.
- 25- Gunther E. Bauer and Nabil Al-Joulani "Strengthening of Marginal Soils By Confined Stone Columns," *7th International Cold Regions Engineering Specialty Conference*, 7-9 March, 1994, Edmonton, Alberta, Canada, pp. 97-117

- 26- Fatani M.N., Bauer G.E. and Al-Joulani N. "Reinforcing Soil with aligned and randomly oriented Metallic Fibres", *Geotechnical Testing Journal, GTJODJ, Vol.14, No 1, March 1991, pp. 78-87.*
- 27- Akili W. And Al-Joulani N. "Static Cone Penetration Resistance of Cemented Sands: A Laboratory Investigation", *Second Symposium on Geotechnical Problems in Saudi Arabia pp. 48-63, King Saud University, 29-31 May 1989, Riyadh, Saudi Arabia.*
- 28- Akili W. and Al-Joulani N. "Cone Penetration Tests on Artificially Cemented Sands", *Penetration Testing, ISOPT-1, De Ruiter (ed.), 1988 Balkema, Rotterdam, ISBN 906191801 4.*
- 29- Nabil Al-Joulani and Gunther E. Bauer "Laboratory behaviour of sleeve reinforced stone columns", *Proceeding of Geosynthetics '95, February 21-23, 1995, pp. 1111-1123*
- 30- Nabil Al-Joulani and Gunther E. Bauer "Improvement of Stone Columns By Geogrid Confinement," *Al-Azhar Engineering Third International Conference (AEIC'93), Dec. 18-21,1993, Al-Azhar University, Nasr City, Cairo, Egypt*
- 31- Nabil M. Al-Joulani "The assessment of Degree of Cementation of Weakly to Moderately Cemented Sand By Using the Static Cone Penetrometer", *M.Sc. Thesis, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, April 1984.*
- 32- Nabil M. Al-Joulani "Laboratory and Analytical Investigation of Sleeve Reinforced Stone Columns", *Ph.D. Thesis, Carleton University, Ottawa, Canada, June 1995.*

**LANGUAGES:** Arabic and English (Spoken and written), and French (Fair).

### **REFEREBCES**

- 1- Imad Khatib, Ph.D. President,  
Palestine Polytechnic University  
Tel: 970-2-222-8912  
Fax: 970-2-221-7248  
Email: [imasri@ppu.edu](mailto:imasri@ppu.edu)
- 2- Gunther E. Bauer, Ph.D., P.Eng, FCSCE  
PhD. Thesis Supervisor  
1093 Bronson Place  
Ottawa ON Canada K1S 4H2  
Tel.: 613 730-3495  
Email: [guntherbauer@hotmail.com](mailto:guntherbauer@hotmail.com)
- 3- O. Abd El Halim, Ph.D., P.Eng., FCSCE  
Chairman, Department of Civil and Environmental Engineering  
Carleton University  
Ottawa, ON Canada K1S 5B6  
Tel: (613)520-2600, ext 5789  
Email: [a\\_halim@carleton.ca](mailto:a_halim@carleton.ca)