

Dr. Abdel Fattah Hasan

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CURRENT POSITION

Assistant Professor, Civil Engineering Department, An-Najah National University, September 2010 – Present

EDUCATION

- PhD. Civil and Environmental Engineering, University of Miami, Florida, USA, September 2006 – December 2009
- MSc. Water Engineering, Birzeit University, Palestine, 2000 –2004
- BSc. Chemical Engineering, Mutah university, Jordan, 1993– 1998

WORK EXPERIENCE

- Assistant Professor, Civil Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. September 2010 - Present.
- Coordinator of Graduation Project Committee, Civil Engineering Department, May 2011 - Present.
- Coordinator of the Water and Environmental Engineering Group - Civil Engineering Department, September 2012 - Present.
- Member of the Scientific Committee – College of Engineering, An-Najah National University, September 2012 - Present.
- Member of the Faculty committee of Water and Environmental Engineering Masters' Program, An-Najah National University, September 2011 - Present.
- Advisor of fifth-year civil engineering students, Civil Engineering Department, September 2011 - Present.
- Member of the ABET committee - Civil Engineering Department, January 2011 – January 2012.
- Teaching band research Assistant, CAE Department, University of Miami, Goral Gables, Florida, September 2006 – September 2009.
- Director of Water Studies and Quality Control Division, Water and Wastewater Department, Jenin Municipality, August 2003 – August 2006.
- Water Engineer, Water and Wastewater Department, Jenin Municipality, January 1999 – July 2003.

Certifications or professional registrations

- Member of the American Wood Protection Association (AWPA).
- Member of the American Water Works Association (AWWA), Florida division.
- Member of Florida Water and Environment Association (FWEA)
- Member of the Jordanian / Palestinian Association of engineers.
- Member of the Arab Hydro-geologists Association.
<http://www.hydrolica.com/home/index.php?action=pages&id=3>
- Advisory panel 2005 of the Arab Healthy Water Association (AHWA),<http://www.mgwater.com/advisory3.shtml#palestine>
- Member of the Healthy water Association (HWA),<http://www.mgwater.com/hwambrs.shtml>
- Member of the Arab Union of Scientists and Researchers (AUSR), www.ausr.org.

Honors and Awards

- Second Place (physical sciences), Research and Creativity Forum. University of Miami, <http://www.cae.miami.edu/news.html>. April 7, 2009.
- Ron Cockcroft Award, International Research Group on Wood Protection, Sweden. <http://www.cae.miami.edu/news.html>. May 25, 2008.

- Teaching Assistantship, Civil, Architectural and Environmental Engineering Department (CAE), University of Miami. Aug. 2008-Aug. 2009.
- Research Assistantship, CAE dept., University of Miami. Aug. 2007-Aug. 2008
- Graduate Scholarship with Fellowship, CAE dept., University of Miami. Aug. 2006-Aug. 2007.
- Teaching Assistantship, CAE dept., University of Miami. Aug. 2006 – Aug. 2007.
- Short visit award by US Department of state to LBJ School of Public Affairs, University of Texas, Austin. Dec. 2004- Jan. 2005.
- Research Fellowship for six months at the sub-department of environmental technology, Wageningen University, the Netherlands. 2001 – 2002.
- Dean list of honor for two semesters at the Faculty of Engineering, Mu'tah University. 1997 – 1998.

COMPUTER SKILLS

- Windows & Microsoft Office
- Design-software: AutoCAD, WaterCAD, SewerCAD, Flow Master & EPANET.
- Programming: Fortran & Matlab.
- Statistical software: SAS, SPSS, SigmaPlot & SigmaSTAT.
- Modeling software: AQUASIM, QUAL2k, MODFLOW, STOAT & HYDRAUNATICS.

Formal Delegations

- Formal visit to France, Val du Marne District, to represent the city of Jenin in the Second Water Festival. (May 18, 2001-May 25, 2001)
- Formal visit to France, Seine-Saint- Denis District, to represent the city of Jenin in the Third Environmental Conference.(Sep. 21, 2004-Sep. 27, 2004)
- Formal visit to France, Val du Marne district, within the frame work of mutual cooperation with the city of Jenin in the water sector.(April 3, 2004-April 16, 2004)
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Extracurricular Activities

- Elected representative of the Civil, Architectural and Environmental Engineering Department for the Engineering Graduate Students Association, University of Miami, and for the academic year 2007/2008. Duties include: arranging students meetings, discussing students concerns with departments' chairs and the dean, recruiting students to the undergraduate and graduate engineering programs, emailing the prospective students and facilitating the transfer of accepted ones to the City of Coral Gables and the University of Miami.
- Acted as referee for the research competition of the Miami Citizens Board, Research and Creativity Forum (CRF, 2009). Judged three undergraduate and two graduate research posters from different disciplines of engineering.

TRAINING

- Survival Skills for Scientists, Professional Skills and Ethics, Miller School of Medicine, University of Miami. June 12-13, 2008.
- Scientific Writing Workshop, University of Miami. May 17, 2008.
- Training Seminar on Laboratory Safety, University of Miami. Oct. 13, 2006.
- Twenty First Century Water Management Course, the University of Texas at Austin, Lyndon Baines Johnson School of Public Affairs. Training include in class lecturing, site visits and conferences attending for a total of 138 contact hours. Dec. 26, 2004 - Jan. 21, 2005.
- German Language Course in the Arab American University Jenin (AAUJ). Oct. 25, 2004-Dec. 25, 2004.
- French Language Course by the French cultural center, Jenin. Aug. 8, 2004-Aug. 1, 2005.
- Water quality management and water analysis using Delaqua kit by OXFAM. Jenin, 3 intensive days in June, 2003.
- Business English Course in the Arab American University Jenin (AAUJ). April 28, 2003-May 23, 2003.
- Research Fellowship for six months at the sub-department of environmental technology, Wageningen University, the Netherlands (2001 - 2002).

- Capacity building and working under pressure and in crises, The Palestinian Center for Peace and Democracy (PCPD). Total 15 contact hours, Jenin. August, 2001.
- Leak detection and management of unaccounted for water by SRP GmbH. Jenin, 6 weeks in 1999.
- Official training for the bachelor degree, Jordanian Phosphates and Mines Co., Industrial Complex, Aqaba, Jordan. Two periods for three months, summer, 1996.

COURSES TAUGHT:

Courses taught at undergraduate level - Civil Engineering Department

- 61350 Environmental Engineering 1 (old plan)
- 61351 Environmental Engineering 2 (old plan)
- 61341 Fluid Mechanics
- 61352 Environmental Engineering 1 (new plan)
- 61450 Environmental Engineering 3 (old plan)
- 61451 Environmental Engineering 2 (new plan)
- 61452 Environmental Engineering Lab (new plan)
- 61598 Graduation Project 1
- 61599 Graduation Project 2

Courses taught at Graduate Level - Master Program of Water and Environmental Engineering:

- 461652 Wastewater Treatment Processes and Treatment
- 461654 Solid Waste Management
- 461655 Water Quality Modeling

Courses taught at Graduate Level - Master Program of Environmental Sciences:

- 400579 Waste Management

PUBLICATIONS

Abdelzaher Amir M., Mary E. Wright, Cristina Ortega, A. Rasem Hasan, Helena M. Solo-Gabriele, Tomoyoki Shibata, Jonathan Kish, Kelly Withum, Guoqing He, Samir M. Elmir, J. Alfredo Bonilla, Tonya D. Bonilla, Carol J. Palmer, Troy Scott, Jerzy Lukasik, Valerie J. Harwood, Shannon McQuaig, Chris D. Sinigalliano, Maribeth L. Gidley, David Wanless, Lisa R.W. Plano, Anna C. Garza, Xiaofang Zhu, Jill R. Stewart, Jerold Dickerson, Helen Yampara-Iquise, Charles Carson, Jay Fleisher, Lora Fleming (2011). Indicator Microbes, Pathogens, and Human Health at a Non-point Source Subtropical Marine Recreational Beach. *Journal of Water and Health*, 9(3): 443-457.

Hasan, A. R.; John Schindler; Helena Solo-Gabriele; Timothy Townsend (2011). Online sorting of recovered wood waste by automated XRF-technology. Part I: Detection of preservative-treated wood waste. *Waste Management*, 31, 688–694.

Hasan, A. R.; Helena Solo-Gabriele; Timothy Townsend (2011). Online sorting of recovered wood waste by automated XRF-technology. Part II: Sorting efficiencies. *Waste Management*, 31, 695–704.

Hasan, A. Rasem; Ligang Hu; Helena Solo-Gabriele; Lynne Fieber; Yong Cai; Timothy Townsend (2010). Field-scale leaching of arsenic, chromium and copper from weathered treated wood. *Environ. Pollut.*, 158, 1479–1486. doi: 10.1016/j.envpol.2009.12.027

Hu, L.; Diez-Rivaz, C.; Hasan, A. Rasem; Solo-Gabriele, H. M.; Fieber, L.; Cai, Y. (2010). Transport and interaction of arsenic, chromium, and copper in soil associated with CCA-treated wood. *Chemosphere*, 78(8), pp: 989-995. doi: 10.1016/j.chemosphere.2009.12.019

Hasan, A. R.; Solo-Gabriele, H. M.; Townsend, T.G., (2009). Knock on wood, Research details how X-ray fluorescence technology could be the most suitable option for the sorting of recovered treated wood waste. *Resource Recycling*, May, 2009 issue with errata in June, 2009.

Hu, L.; Diez-Rivaz, C.; Solo-Gabriele, H. M.; Fieber, L.; Cai, Y; Hasan, A. R. (2009). Transport and distribution of Arsenic, chromium, and copper in soil associated with CCA-treated wood. 237th ACS National Meeting, Division of Geochemistry, March 22-26, Salt Lake City, Utah, USA.

Hasan, A. R.; Ligang Hu; Helena Solo-Gabriele; Lynne Fieber; Yong Cai (2008). Leachability of arsenic, chromium and copper from weathered treated wood. International Research Group (IRG) on Wood Protection, IRG/WP 08-50255, May 25-30, 2008. Istanbul, Turkey.

REFERENCES

Available upon request
