

# **Curriculum Vitae**

## **Tarek Abichou**

### **General Information**

#### **Professional Preparation**

- 1999            Ph.D., University Of Wisconsin, Madison. Major: Civil Engineering.
- 1993            M.S., University of Wisconsin, Madison. Major: Civil and Environmental Engineering.
- 1989            B.S., University of Wisconsin, Madison. Major: Civil and Environmental Engineering.

#### **Nondegree Education and Training**

- 1999–2000      University of Wisconsin, Post-Doctorate Research Associate.

#### **Professional Credential(s)**

- 2009–present    Professional Engineer (State of Florida).

#### **Professional Experience**

- 2014–present    Professor, Civil and Environmental Engineering, FAMU - Florida State University College of Engineering.
- 2006–2014      Associate Professor, Civil and Environmental Engineering, FAMU - Florida State University College of Engineering.
- 2000–2006      Assistant Professor, FAMU - Florida State University College of Engineering.
- 1996–1999      Research Assistant, University of Wisconsin, Madison.
- 1994–1996      Geoenvironmental Engineer, Andrews Environmental Engineering.
- 1990–1991      Resident Project Engineer, Extension of Airport Djerba-Zarzis, Tunisia, Entreprise Youssef Eltaief.
- 1989–1990      Resident Engineer/Geotechnical Engineer, Bouchammaoui Petroleum Activities, Marathon Oil Project, Tunisia.

## **Language Proficiency**

Arabic - native in speaking, reading, and writing.

English - fluent in speaking, reading, and writing.

French - fluent in speaking, reading, and writing.

## **Visiting Professorship(s)**

2011–2012          University of Gabes, Tunisia College of Engineering.

2007–2008          University of Gabes, Tunisia College of Engineering (Fulbright).

## **Honors, Awards, and Prizes**

Programme de Cooperation Avec Les Chercheurs Tunisiens Resident a L'Etranger, Government of Tunisia (2011).

Faculty Advisor of the Year Award, Florida State University (2009).

Fulbright Scholar Award, Department of State (2008).

Exceptional Research Productivity Award, Florida State University College of Engineering (2007).

Science To Achieve Results (STAR) Award, US EPA (2003).

Severson Geotechnical Award, University of Wisconsin (1999).

Shelby Tube Award, Andrews Environmental Engineering (1996).

Undergraduate Student Award, USAID (1984).

## **Current Membership in Professional Organizations**

American Society for Testing and Materials (ASTM)

American Society of Civil Engineers (ASCE)

Arab Healthy Water Association

Geo-Institute

International Solid Waste Association

Solid Waste Association of North America (SWANA)

Tunisian Scientific Society

## **Teaching**

### **Courses Taught**

Advanced Soil Mechanics (CEG5015)

Soil Mechanics (CEG3011)

Environmental Geotechnics (CEG4701)  
Environmental Geotechnics (CEG4705)  
Soil Mechanics Laboratory (CEG3011)

### **New Course Development**

Deep Foundation Design (2011)  
Design with Geosynthetics (2008)  
Environmental Geotechnics (2002)

### **Doctoral Committee Chair**

Musagasa, J., graduate. (2007). *Field Assessment of Evapotranspiration Covers for Landfill Applications.*  
Yuan, L., graduate. (2006). *Methane Emission and Oxidation through Landfill Covers.*  
Beach, T., doctoral candidate. *Development of a Novel Design Protocol of Evapotranspiration Landfill Covers Using a Modeling Methodology and Long-Term Monitoring Data.*  
Escobar, F. J., doctoral candidate. *Analysis of Simulated Performance for Evapotranspiration Covers in Arid and Semiarid Climates.*

### **Doctoral Committee Member**

Hong, X., graduate. (2009). *Numerical Simulation Of Dynamic Wave Force On Coastal Structures Under Extreme Storm Surge Conditions.*  
Yuan, X., graduate. (2008). *Evaluation of Engineering Properties of Hot Mix Asphalt Concrete for the Mechanistic-Empirical Pavement Design.*  
Liu, X., graduate. (2007). *3D modeling of estuarine hydrodynamics and sediment transport.*  
Mahieu, K., graduate. (2007). *Modeling methane oxidation in landfill cover soils using stable isotope ratios.* [Gent University Belgium]  
Xu, S., graduate. (2007). *Analysis and Predictions on Extreme Coastal Water Levels.*  
Zhang, C., graduate. (2004). *The Effect of High Groundwater Level on Pavement Subgrade Performance.*  
Fatehnia, M., doctoral candidate. *Automated method for determining infiltration rate in soils.*  
Johansen, C., doctoral student. *Dynamics of hydrocarbon vents: Focus on primary porosity.*

### **Master's Committee Chair**

Lawson, J. B., graduate. (2013). *Development of Push-Pull Test Techniques to Quantify H<sub>2</sub>S Oxidation in Landfill Cover Soils.*  
Ibrahim, A., graduate. (2012). *Évolution des effets des systèmes des fosses septiques classiques sur l'écosystème côtier de Zarzis (Souehil).* [University of Gabes]  
Escobar, F. J., graduate. (2011). *Feasibility Study, Preliminary Design, and Development of*

- Alternative Covers for Landfills and Dump Sites in Tropical Locations.*
- Clark, J. M., graduate. (2010). *Quantification of Methane Emissions via the Use of Optical Sensing Technique in a Landfill Setting.*
- Mansouri, I., graduate. (2009). *Field Calibration of methane oxidation model.* [With University of Gabes, Tunisia]
- Register, H., graduate. (2008). *Effect of Lower Boundary on the Performance of Lysimeters.*
- Tolliver, T., graduate. (2008). *Environmental Sustainability of Ethanol Production Using the Lifecycle Analysis Method.*
- Anunsen, S., graduate. (2007). *An Investigation of Methods to Reduce Hydrogen Sulfide Emissions from Landfills.*
- Harmon, V., graduate. (2007). *Numerical Simulations of Phytoremediation by Slow-Rate Wastewater Irrigation and Septic Systems.*
- Tyner, W., graduate. (2007). *Large scale implementation of methane oxidation.*
- Morales, J., graduate. (2006). *Biofilter design for landfill vents.*
- Escoriaza, S., graduate. (2005). *Using Biocovers and biocells to reduce emissions from landfills.*
- Liu, X., graduate. (2004). *Design of Cost Effective Lysimeters.*
- Langoni, G., graduate. (2002). *Feasibility of Evapotranspiration Covers for Florida Landfills.*
- Sakharova, D. V., student.

#### **Master's Committee Cochair**

- Cole, N., student. *Using Surface Ambient Methane Concentrations to Estimate Methane Emissions from Landfills.*

#### **Master's Committee Member**

- Mirsaeid Ghazi, N., graduate. (2013).
- Sheng, B., graduate. (2010). *Evaluation of Granular Subgrade Modulus from Field and Laboratory Tests.*
- Kamppmann, R., graduate. (2008). *Engineering Properties of Florida Concrete Mixes for Implementing the AASHTO Recommended Mechanistic-Empirical Rigid Pavement Design Guide.*
- Kumar, P., graduate. (2007). *Impact of Landfill Leachate on Iron Release From Northwest Florida Iron Rich Soils.*
- Penagonda, V., graduate. (2007). *Impact of Lipopolysaccharide Extraction on Bacterial Transport in the Soil.*
- Williams, M. D., graduate. (2007). *Characterization of Microbial Activity in Soils Nearby Landfills in Northwest Florida.*
- Fleiger, J. E., graduate. (2006). *The Effective Reduction of Methane Emissions from Landfills Using a Biocover Approach: Measuring Methane Oxidation Using Static Chamber and Stable Isotope Techniques.*
- Lundy, C., graduate. (2006). *An Environmental Systems Analysis of Cathode Ray Tube Waste Management.*
- Thomas, D. S., graduate. (2006). *Reducing Hydrogen Sulfide (H<sub>2</sub>S) Concentrations at*

*Wastewater Collection Systems and Treatment Facilities using Chemical Oxidation.*  
Mckenney, B., graduate. (2002). *Long term strength of concrete Using Falling Weight.*  
Golam Mustapha, graduate. (2001). *Deflectrometer to measure soil support values.*

### **Bachelor's Committee Chair**

Hider, R., graduate. (2012). *Design of an Earth Dam in Ghar Maleh Tunisia.* [University of Gabes]  
Olivia Pinkilten, graduate. (2010). *Reducing greenhouse gas emissions from rice fields.*

## **Research and Original Creative Work**

### **Publications**

#### **Refereed Journal Articles**

- Ltifi, M., Abichou, T., & Tisot, J. (2014). Effects of Soil Aging on Mechanical and Hydraulic Properties of a Silty Soil. *Geotechnical and Geological Engineering*, 32(3), 1-8.  
doi:10.1007/s10706-014-9784-1
- Askri, B., Ahmed, A., Abichou, T., & Bouhlila, R. (2014). Effects of shallow water table, salinity and frequency of irrigation water on the date palm water use. *Journal of Hydrology*, 513, 81-90. Retrieved from <http://dx.doi.org/10.1016/j.jhydrol.2014.03.030>  
doi:10.1016/j.jhydrol.2014.03.030
- Bouzayani, F., Aydi, A., & Abichou, T. (2014). Soil contamination by heavy metals in landfills: measurements from an unlined leachate storage basin. *Environ Monit Assess*, 1-8.  
doi:DOI 10.1007/s10661-014-3757-y
- Farah, K., Ltifi, M., Abichou, T., & Hassis, H. (2014). Comparison of Probabilistic Methods for Analyzing Slope Stability Problems. *International Journal of Civil Engineering*, 12(0), 1-18. Retrieved from [http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CDIQFjAB&url=http%3A%2F%2Fwww.iust.ac.ir%2Fijce%2Ffiles%2Fsite1%2Fuser\\_files\\_6k93w6%2Ftabichou-A-10-1580-2-8aad840.doc&ei=zd5LU7rNPI](http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0CDIQFjAB&url=http%3A%2F%2Fwww.iust.ac.ir%2Fijce%2Ffiles%2Fsite1%2Fuser_files_6k93w6%2Ftabichou-A-10-1580-2-8aad840.doc&ei=zd5LU7rNPI)
- Abichou, T., Barlaz, M., Green, R., & Hater, G. (2013). Liquid balance monitoring inside conventional, retrofit, and bio-reactor landfill cells. *Waste Management*, 3, 9.
- Abichou, T., Barlaz, M., Green, R., & Hater, G. (2013). The Outer Loop Bioreactor: A Case Study of Settlement Monitoring and Solids Decomposition. *Waste Management*, 20. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2013.02.005>

- Agoubi, B., Kharroub, A., Abichou, T., & Abida, H. (2013). Hydrochemical and geoelectrical investigation of Marine Jeffara Aquifer, southeastern Tunisia. *Applied Water Science*, 10. Retrieved from DOI 10.1007/s13201-013-0091-4
- Abichou, T., Clark, J., & Chanton, J. (2012). A new approach to characterize emission contributions from area sources during optical remote sensing technique testing. *Journal of the Air & Waste Management Association*, 1403-1410. Retrieved from <http://www.tandfonline.com/doi/abs/10.1080/10962247.2012.716384> doi:DOI: 10.1080/10962247.2012.716384
- Abichou, T., Musagasa, J., Yuan, L., Chanton, J., Tawfiq, K., & Rockwood, R. (2012). Field Performance of Alternative Landfill Covers Vegetated with Cottonwood and Eucalyptus Trees. *International Journal of Phytoremediation*, 47-60. doi:10.1080/15226514.2011.607869
- Goldsmith, C., Chanton, J., Abichou, T., Swan, N., Green, R., & Hater, G. (2012). Methane emissions from 20 landfills across the United States using vertical radial plume mapping. *Journal of the Air & Waste Management Association*, 183-197. doi:10.1080/10473289.2011.639480
- Schnabel, W., Barnes, D., Abichou, T., Munk, J., Lee, W., & Pape, B. (2012). Assessing the Performance of a Cold Region Evapotranspiration Landfill Cover Using Lysimetry and Electrical Resistivity Tomography. *International Journal of Phytoremediation*, 61-75. doi:10.1080/15226514.2011.607870
- Abichou, T., Clark, J., & Chanton, J. (2011). Reporting central tendencies of chamber measured surface emission and oxidation. *Waste Management*, 31(5), 1002-1008. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2010.09.014>
- Abichou, T., Mahieu, K., Chanton, J., Romdhane, M., & Mansouri, I. (2011). Scaling methane oxidation: From laboratory incubation experiments to landfill cover field conditions. *Waste Management*, 31(5), 978-986. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2010.12.002>
- Chanton, J., Abichou, T., Langford, C., Hater, G., Green, R., Goldsmith, D., & Swan, N. (2011). Landfill Methane Oxidation Across Climate Types in the U.S. *Environmental Science & Technology*, 45(1), 313-319. Retrieved from <http://dx.doi.org/10.1021/es101915r>
- Chanton, J., Abichou, T., Langford, C., Spokas, K., Hater, G., Green, R., Goldsmith, D., & Barlaz, M. A. (2011). Observations on the methane oxidation capacity of landfill soils. *Waste Management*, 31(5), 914-925. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2010.08.028>
- Abichou, T., Clark, J., Tan, S., Chanton, J., Hater, G., Green, R., Goldsmith, D., Barlaz, M. A., & Swan, N. (2010). Uncertainties Associated with the Use of Optical Remote Sensing Technique to Estimate Surface Emissions in Landfill Applications. *Journal of the Air &*

- Waste Management Association*, 60(4), 460-470. Retrieved from <http://dx.doi.org/10.3155/1047-3289.60.4.460>
- Bogner, J. E., Chanton, J. P., Blake, D., Abichou, T., & Powelson, D. (2010). Effectiveness of a Florida Landfill Biocover for Reduction of CH<sub>4</sub> and NMHC Emissions. *Environmental Science & Technology*, 44(4), 1197-1203. Retrieved from <http://dx.doi.org/10.1021/es901796k>
- Xu, Q., Liu, F., Townsend, T., Abichou, T., & Chanton, J. (2010). Tire-Derived Steel for Hydrogen Sulfide Removal in Landfill Cover. *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 14:3, 211-214. Retrieved from [http://dx.doi.org/10.1061/\(ASCE\)0733-9372\(1998\)124:4\(362\)](http://dx.doi.org/10.1061/(ASCE)0733-9372(1998)124:4(362))
- Abichou, T., Mahieu, K., Yuan, L., Chanton, J., & Hater, G. (2009). Effects of compost biocovers on gas flow and methane oxidation in a landfill cover. *Waste Management*, 29(5), 1595-1601. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2008.11.007>
- Chanton, J. P., Powelson, D. K., Abichou, T., & Hater, G. (2008). Improved field methods to quantify methane oxidation in landfill cover materials using stable carbon isotopes. *Environmental Science & Technology*, 42(3), 665-670. Retrieved from <http://dx.doi.org/10.1021/es0710757>
- Chanton, J. P., Powelson, D. K., Abichou, T., Fields, D., & Green, R. (2008). Effect of Temperature and Oxidation Rate on Carbon-isotope Fractionation during Methane Oxidation by Landfill Cover Materials. *Environmental Science & Technology*, 42(21), 7818-7823. Retrieved from <http://dx.doi.org/10.1021/es801221y>
- Chen, G., Abichou, T., Tawfiq, K., & Subramaniam, P. K. (2007). Impact of surface charge density on colloid deposition in unsaturated porous media. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, 302(1-3), 342-348. Retrieved from <http://dx.doi.org/10.1016/j.colsurfa.2007.02.063>
- Powelson, D. K., Charlton, J. P., & Abichou, T. (2007). Methane oxidation in biofilters measured by mass-balance and stable isotope methods. *Environmental Science & Technology*, 41(2), 620-625. Retrieved from <http://dx.doi.org/10.1021/es061656g>
- Stern, J. C., Chanton, J., Abichou, T., Powelson, D., Yuan, L., Escoriza, S., & Bogner, J. (2007). Use of a biologically active cover to reduce landfill methane emissions and enhance methane oxidation. *Waste Management*, 27(9), 1248-1258. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2006.07.018>
- Abichou, T., Benson, C., & Edil, T. (2006). Reply to the discussion by Chapuis et al. on "Network model for hydraulic conductivity of sand-bentonite mixtures". *Canadian Geotechnical Journal*, 43(1), 115-117. Retrieved from <http://dx.doi.org/10.1139/T05-073>

- Abichou, T., Chanton, J., Powelson, D., Fleiger, J., Escoriaza, S., Lei, Y., & Stern, J. (2006). Methane flux and oxidation at two types of intermediate landfill covers. *Waste Management*, 26(11), 1305-1312. Retrieved from <http://dx.doi.org/10.1016/j.wasman.2005.11.016>
- Abichou, T., Liu, X., & Tawfiq, K. (2006). Design considerations for lysimeters used to evaluate alternative earthen final covers. *Journal of Geotechnical and Geoenvironmental Engineering*, 132(12), 1519-1525. Retrieved from [http://dx.doi.org/10.1061/\(ASCE\)1090-0241\(2006\)132:12\(1519\)](http://dx.doi.org/10.1061/(ASCE)1090-0241(2006)132:12(1519))
- Abichou, T., Powelson, D., Chanton, J., Escoriaza, S., & Stern, J. (2006). Characterization of methane flux and oxidation at a solid waste landfill. *Journal of Environmental Engineering-Asce*, 132(2), 220-228. Retrieved from [http://dx.doi.org/10.1061/\(ASCE\)0733-9372\(2006\)132:2\(220\)](http://dx.doi.org/10.1061/(ASCE)0733-9372(2006)132:2(220))
- Albright, W. H., Benson, C. H., Gee, G. W., Abichou, T., McDonald, E. V., Tyler, S. W., & Rock, S. A. (2006). Field performance of a compacted clay landfill final cover at a humid site. *Journal of Geotechnical and Geoenvironmental Engineering*, 132(11), 1393-1403. Retrieved from [http://dx.doi.org/10.1061/\(ASCE\)1090-0241\(2006\)132:11\(1393\)](http://dx.doi.org/10.1061/(ASCE)1090-0241(2006)132:11(1393))
- Albright, W. H., Benson, C. H., Gee, G. W., Abichou, T., Tyler, S. W., & Rock, S. A. (2006). Field performance of three compacted clay landfill covers. *Vadose Zone Journal*, 5(4), 1157-1171. Retrieved from <http://dx.doi.org/10.2136/vzj2005.0134>
- Powelson, D. K., Chanton, J., Abichou, T., & Morales, J. (2006). Methane oxidation in water-spreading and compost biofilters. *Waste Management & Research*, 24(6), 528-536. Retrieved from <http://dx.doi.org/10.1177/0734242X06065704>
- Yuan, L., Abichou, T., & Escoriaza, S. (2005). Methane oxidation through landfill cover soils: An engineering perspective. *Soil and Crop Science Society of Florida Proceedings*, 64, 59-65.
- Abichou, T., Benson, C. H., & Edil, T. B. (2004). Network model for hydraulic conductivity of sand-bentonite mixtures. *Canadian Geotechnical Journal*, 41(4), 698-712. Retrieved from <http://dx.doi.org/10.1139/T04-016>
- Abichou, T., Tawfiq, K., & Abdelrazig, Y. (2004). Using electrical conductivity to estimate properties of mineral slurries used in drilled shaft construction. *Geotechnical Testing Journal*, 27(6), 532-539.
- Albright, W. H., Benson, C. H., Gee, G. W., Roesler, A. C., Abichou, T., Apiwantragoon, P., Lyles, B. F., & Rock, S. A. (2004). Field water balance of landfill final covers. *Journal of environmental quality*, 33(6), 2317-2332.



- Benson, C. H., Jo, H. Y., & Abichou, T. (2004). Forensic analysis of excessive leakage from lagoons lined with a composite GCL. *Geosynthetics International*, *11*(3), 242-252.
- Albright, W. H., Benson, C. H., Gee, G. W., Abichou, T., Roesler, A. C., & Rock, S. A. (2003). Examining the alternatives. *Civil Engineering*, *73*(5), 70-75. Retrieved from <http://www.pnl.gov/publications/abstracts.asp?report=191961>
- Abichou, T., Benson, C. H., & Edil, T. B. (2002). Foundry green sands as hydraulic barriers: Field study. *Journal of Geotechnical and Geoenvironmental Engineering*, *128*(3), 206-215. Retrieved from [http://dx.doi.org/10.1061/\(ASCE\)1090-0241\(2002\)128:3\(206\)](http://dx.doi.org/10.1061/(ASCE)1090-0241(2002)128:3(206))
- Abichou, T., Benson, C. H., & Edil, T. B. (2002). Micro-structure and hydraulic conductivity of simulated sand-bentonite mixtures. *Clays and Clay Minerals*, *50*(5), 537-545.
- Benson, C., Abichou, T., Albright, W., Gee, G., & Roesler, A. (2001). Field Evaluation of Alternative Earthen Final Covers. *International Journal of Phytoremediation*, *3*(1), 1-21.
- Abichou, T., Benson, C. H., & Edil, T. B. (2000). Foundry green sands as hydraulic barriers: Laboratory study. *Journal of Geotechnical and Geoenvironmental Engineering*, *126*(12), 1174-1183.
- Benson, C., Abichou, T., Bosscher, P., & Olson, M. (1995). Winter Effects on the Hydraulic Conductivity of Compacted Clay. *Journal of Geotechnical Engineering*, *120*(1), 69-70.

### Refereed Proceedings

- Abichou, T., Johnson, T., Mahieu, K., Romdhane, M., & Mansouri, I. (2010). Developing a Design Approach to Reduce Methane Emissions from California Landfills. In Fratta, D., Muhunthan, B., and Puppala, A (Ed.), *Geoflorida* (pp. 2878-2887). Baltimore. Retrieved from doi: 10.1061/41095(365)293
- Abichou, T., Musagasa, J., Tawfiq, K., & Chanton, J. (2010). Lysimetry Versus Deep Water Content Monitoring: Field Performance Evaluation of Alternative Landfill Covers. In Fratta, D., Muhunthan, B., and Puppala, A (Ed.), *Geoflorida* (pp. 2821-2829). ASCE, Baltimore. Retrieved from doi: 10.1061/41095(365)287
- Chanton, J., Abichou, T., Hater, G., Green, R., & Bogner, J. (2010). Methane Oxidation in Landfill Cover Soils. In Fratta, D., Muhunthan, B., and Puppala, A (Ed.), *Geoflorida* (pp. 2896-2905). ASCE Baltimore. Retrieved from [http://dx.doi.org/10.1061/41095\(365\)295](http://dx.doi.org/10.1061/41095(365)295)
- Yuan, L., & Abichou, T. (2010). Methane Emission Estimation and Control During and After Post-Closure Care Period at MSW Landfills. In Fratta, D., Muhunthan, B., and Puppala, A (Ed.), *Geoflorida* (pp. 186-200). Baltimore. Retrieved from doi: 10.1061/41095(365)294

- Abichou, T., & Musagasa, J. (2008). ET Covers: Construction and Tree Development inside and outside of Lysimeters. In M. Khire, A. Alshawakbeh, and K. Reddy (Ed.), *Geocongress 2008* (pp. 72-79). Baltimore. Retrieved from doi: 10.1061/40970(309)9
- Abichou, T., Yuan, L., & Chanton, J. (2008). Estimating Methane Emission and Oxidation from Earthen Landfill Covers. In M. Khire, A. Alshawakbeh, and K. Reddy (Ed.), *Geocongress 2008* (pp. 80-87). Baltimore. Retrieved from doi: 10.1061/40970(309)10
- Abichou, T., Yuan, L., Chanton, J., & De Visscher, A. (2007). Estimating Methane Emissions and Oxidation from Earthen Landfill Covers. In *Sardinia '07 International Solid and Hazardous Waste Symposium*. CISA, Univ. of Cagliari, Sardinia.
- Chaton, J., Hater, G., Goldsmith, D., Green, R., Abichou, T., & Barlaz, M. (2007). Comparison of a Tunable Diode Laser Approach With Static Chambers for Determination of Surface Methane Emission. In *Sardinia 2007, Eleventh International Waste Management and Landfill Symposium*. S. Margherita di Pula, Cagliari, Italy; 1 - 5 October 2007.
- Abichou, T., Edil, T. B., Benson, C. H., & Tawfiq, K. (2005). Hydraulic conductivity of foundry sands and their use as hydraulic barriers. In *Conference on Recycled Materials in Geotechnics*; (pp. 186-200). Baltimore, MD.
- Abichou, T., Powelson, D., Aitchison, E., Benson, C., & Albright, W. (2005). Water balances in vegetated lysimeters at a Georgia landfill. In *64th Annual Meeting of the Soil-and-Crop-Science-Society-of-Florida* (pp. 1-8). Tallahassee, FL.
- Abichou, T., Tawfiq, K., Edil, T., & Benson, C. (2005). Behavior of a soil-tire shreds backfill for modular block-wall. In *Recycled Materials in Geotechnics* (pp. 162-172). GeoInstitute.
- Bogner, J., Spokas, K., Chanton, J., Powelson, D., & Abichou, T. (2005). Modeling Landfill Methane Emissions from Biocovers: A Combined Theoretical-Empirical Approach. In *Sardinia '05 International Solid and Hazardous Waste Symposium*. published by CISA, Univ. of Cagliari, Sardinia (2005).
- Abichou, T., Edil, T. B., Benson, C. H., & Bahia, H. (2004). Beneficial use of foundry by-products in highway construction. In *Conference on Geotechnical Engineering for Transportation Projects (Geo-Trans 2004)* (pp. 715-722). Los Angeles, CA.
- Abichou, T., Tawfiq, K., Edil, T., & Benson, C. (2004). Behavior of a Soil-Tire Shreds Backfill for Modular Block Wall. In A. Aydilek and J. Wartman (Ed.), *Beneficial Reuse of Waste Materials in Geotechnical and Transportation Applications* (pp. 162-172). Reston, VA.
- Abichou, T., Albright, W., & Benson, C. (2003). Field Tests of Conventional and Alternative Final Cover Systems for Landfill Closure. In " *Proceeding of Waste Management 03 (WM'03)*, Saint Louis, MO, October 14-1, 2003. SWANA.

- Abichou, T., Edil, T., Benson, C., & Berilgen, M. (2003). Mass Behavior of Soil-Tire Chip Backfill. In *Beneficial Use of Recycled Materials in Transportation Applications* (pp. 689-698). Air and Waste Management Association, Sewickley, Pennsylvania, 2003, pp. 689-698.
- Abichou, T., Benson, C., Friend, M., & Wang, X. (2002). Hydraulic Conductivity of a Fractured Aquitard. In M. N. Sara and L. G. Everett (Ed.), *Evaluation and Remediation of Low Permeability and Dual Porosity Environments, ASTM Special Technical Publication (STP) No. 1415* (pp. 25-37). American Society for Testing and Materials, West Conshohocken, PA.
- Benson, C., Albright, W., Roesler, A., & Abichou, T. (2002). Evaluation of Final Cover Performance: Field Data from the Alternative Cover Assessment Program (ACAP). In *Waste Management'02, Tucson, Arizona, February 24-28*. SWANA.
- Abichou, T., Edil, T., & Benson, C. (2001). Mass Behavior of Shredded Tire Backfills," Proceedings of the International Conference on Beneficial Use of Recycled Materials in Transportation Applications. In *Proceedings of the International Conference on Beneficial Use of Recycled Materials in Transportation Applications*. Washington, D.C.
- Albright, W., Benson, C., Gee, G., & Abichou, T. (2001). Tests of Alternative Final Landfill Covers in Arid and Semi-Arid Areas Using Innovative Water Balance Monitoring Systems. In *36th Symposium of Engineering Geology and Geotechnical Engineering*. Las Vegas, Nevada, M.
- Abichou, T., Benson, C., & Edil, T. (2000). Beneficial Reuse of Industrial By-Products in Urban Infrastructure. In *8th GLGG Conference, Detroit Michigan, May 2000*. GLGG Michigan.
- Abichou, T., Benson, C. H., & Edil, T. B. (1998). Database on beneficial reuse of foundry by-products. In *1998 Annual Convention of the American-Society-of-Civil-Engineers (Geo-Congress 98)* (pp. 210-223). ASCE BOSTON.
- Abichou, T., Benson, C. H., Edil, T. B., & Freber, B. W. (1998). Using waste foundry sand for hydraulic barriers. In *Annual Convention of the American-Society-of-Civil-Engineers (Geo-Congress 98)* (pp. 86-99). ASCE BALTIMORE.
- Abichou, T., Benson, C., & Edil, T. (1998). Development of a Database on the Beneficial Use of Foundry By-Products. In *Proceedings 10th AFS Environmental, Health and Safety Conference, American Foundrymen's Society* (pp. 135-149). AFS, August 1998.

## **Nonrefereed Proceedings**

- Abichou, T., & Chanton, J. (2012). A New Modeling Approach to Assess the Effects of Soil Defects in Landfill Cover Soils on Percent Methane Oxidation. In *Global Waste Management Symposium 2012* (pp. 3). Global Waste Management Symposium.
- Abichou, T., Green, R., Swan, N., Romdhane, M., & Banister, A. (2012). Using Surface Ambient Methane Concentrations to Estimate Methane Emissions from Old Closed Landfills. In *Global Waste Management Symposium 2012* (pp. 3). Global Waste Management Symposium.
- Ayadi, A., Zairi, M., & Abichou, T. (2012). Waste Composition, Leachate and Biogas Characteristics in Developing Countries: A Case Study, Tunisia. In *Global Waste Management Symposium 2012* (pp. 5). Global Waste Management.
- Abichou, T., Chanton, J., Green, R., Goldsmith, D., & Swan, N. (2010). Monitoring and Modeling of Methane Emissions and Oxidation at Eleven Instrumented Landfill Covers. In *Global Waste Symposium, 2010*. Global Waste Management Symposium.
- Abichou, T., Mahieu, K., Chanton, J., Rhomdane, M., & Mansouri, I. (2008). Using a Modeling Approach to Estimate Methane Emissions and Oxidation from Landfills Within AP-42 Guidelines. In *Global Waste Symposium*. Copper Mountain, Colorado, USA. Sept 7-10 2008.
- Chanton, J., & Abichou, T. (2008). Effects of Methane Emissions on Oxidation Rates and % Oxidation in landfill cover soils. In *Global Waste Symposium*. Copper Mountain, CO. Sept 7-10 2008.
- Abichou, T., Chanton, J., & Yuan, L. (2006). Use of Recycled and Waste Materials to Scrub Greenhouse Gases and Odors from Landfill Emissions. In *Proceedings of the 11th SWANA Annual Landfill Symposium*. SWANA, June 5-8, 2006, Nashville, TN.
- Chanton, J., Hater, G., Abichou, T., Green, R., Goldsmith, D., & Swan, N. (2006). Soil Cover Methane Oxidation in Landfills In Different Climates. In *Proceedings of the 11th SWANA Annual Landfill Symposium*. SWANA, June 5-8, 2006, Nashville, TN.

## **Presentations**

### **Invited Presentations at Conferences**

- Abichou, T., Chanton, J., Yuan, L., Thomas, N., & Paul, N. (presented 2006). *Research Activities to Reduce Greenhouse Gas Emissions from the Leon County Landfill*. Presentation at SWANA-FL Annual Conference, SWANA-FL, Naples, FL. (State)

- Abichou, T., Chanton, J., & Yuan, L. (presented 2006). *Use of Recycled and Waste Materials to Scrub Greenhouse Gases and Odors from Landfill Emissions*. Presentation at 11th SWANA Annual Landfill Symposium, SWANA, Nashville, TN. (International)
- Abichou, T., Chanton, J., & Powelson, D. (presented 2005, April). *Mitigation of Greenhouse Gas Emissions from Solid Waste Landfills*. Presentation at Presented at the 3sr International Phyto-technologies Conference, 3sr International Phyto-technologies, Chicago, IL. (International)
- Abichou, T. (presented 2005). *Inexpensive Approaches for Reducing Greenhouse Gas Emissions and Odors from Landfills*. Presentation at Annual FDEP Solid Waste Manager Meeting, FDEP, Coco Beach, Florida. (State)
- Abichou, T., Benson, C., Albright, W., Rock, S., MacDonald, M., Li, L., Wang, W., & Powelson, D. (presented 2004). *Forensic Evaluation of a Conventional Cover with a compacted Clay Barrier*. Presentation at Presented at Designing, Building, & Regulating Evapotranspiration (ET) Landfill Covers, U.S. Environmental Protection Agency's RTDF Program, Denver, CO. (International)
- Abichou, T., Edil, T., Benson, C., & Bahaia, H. (presented 2004). *Beneficial Use of Foundry By-Products in Highway Construction*. Presentation at Presented in Geo-Tran, Geo-Tran, Los Angeles, CA. (International)
- Abichou, T., Powelson, D., & Aitchision, E. (presented 2004). *Water Balance in a Vegetated Lysimeter at a Georgia Landfill*. Presentation at Soil and Crop Science Society 64th Meeting, Soil and Crop Science Society, Tallahassee, FL. (International)
- Abichou, T., Albright, W., & Benson, C. (presented 2003). *Field Tests of Conventional and Alternative Final Cover Systems for Landfill Closure*. Presentation at Presented in waste Management, Waste Management, Saint Louis, MO. (International)
- Abichou, T., Benson, C., Albright, W., & Roesler, A. (presented 2002). *Evaluation of Final Cover Performance: Field Data from the Alternative cover Assessment Program (ACAP)*. Presentation at Presented in Waste Management, ACAP, Tucson, AR. (International)

### **Refereed Presentations at Conferences**

- Abichou, T. (presented 2012). *Using Surface Ambient Methane Concentrations to Estimate Methane Emissions from Old Closed Landfills*. Presentation at Global Waste Management Symposium 2012, Global Waste Management Symposium, Pheonix, AZ, USA. (International)
- Abichou, T. (presented 2012). *Waste Composition, Leachate and Biogas Characteristics in Developing Countries: A Case Study, Tunisia*. Presentation at Global Waste Management

Symposium 2012, Global Waste Management Symposium, Pheonix, AZ, USA.  
(International)

Abichou, T., & Chanton, J. (presented 2012). *A New Modeling Approach to Assess the Effects of Soil Defects in Landfill Cover Soils on Percent Methane Oxidation*. Presentation at Global Waste Management Symposium 2012, Global Waste Management Symposium, Phoenix, AZ, USA. (International)

Abichou, T., Chanton, J., Hater, G., Green, R., & Bogner, J. (presented 2010, February). *Geotechnics of Methane Oxidation in Landfill Cover Soils*. Presentation at Presented at Geoflorida, Geoflorida, West Palm Beach, FL. (International)

Abichou, T., Johnson, T., Mathieu, K., Romdhane, M., & Mansouri, I. (presented 2010, February). *Developing a Design Approach to Reduce Methane Emissions from California Landfills*. Presentation at Presented at Geoflorida, Geoflorida, West Palm Beach, FL. (International)

Abichou, T., Musagasa, J., Tawfiq, K., & Chanton, J. (presented 2010, February). *Lysimetry versus Deep Water Content Monitoring: Field Performance evaluation of Alternative Landfill Covers*. Presentation at Presented at Geoflorida, Geoflorida, West Palm Beach, FL. (International)

Abichou, T., & Yuan, L. (presented 2010, February). *Methane Emission Estimation and Control During and After Post-Closure Care Period at MSW Landfills*. Presentation at Presented at Geoflorida, Geoflorida, West Palm Beach, FL. (International)

Abichou, T., & Chanton, J. (presented 2008, September). *Effects of Methane Emissions on Oxidation Rates and Percentage Oxidation in Landfill Cover Soils*. Presentation at Global Waste Symposium, Global Waste, Copper Mountain, CO. (International)

Abichou, T., Mahieu, K., Chanton, J., Rhomdane, M., & Mansouri, I. (presented 2008, September). *Using a Modeling Approach to estimate Methane emissions and Oxidation form Landfills Within AP-42 Guidelines*. Presentation at Global Waste Symposium, Global Waste, Copper Mountain, CO. (International)

Abichou, T., Mahieu, K., Chanton, J., Rhomdane, M., & Mansouri, I. (presented 2008, September). *Using a Modeling Approach to estimate Methane emissions and Oxidation form Landfills Within AP-42 Guidelines*. Presentation at Global Waste Symposium, Global Waste, Copper Mountain, CO. (International)

Abichou, T., & Chanton, J. (presented 2008). *Methane Oxidation Rates and Percent in Landfill Covers*. Presentation at 5th Inter-Continental Landfill Research Symposium, 5th Inter-Continental Landfill, Copper Mountain, CO. (International)

Abichou, T., Mahieu, K., Chanton, J., & De Visscher, A. (presented 2008). *Stable Isotope Method an Modeling to Quantify Methane Oxidation*. Presentation at 5th

Inter-Continental Landfill Research Symposium, 5th Inter-Continental Landfill, Copper Mountains, CO. (State)

Abichou, T., & Nusagasa, J. (presented 2008). *E.T. Covers: Construction and tree Development inside and outside of Lysimeters*. Presentation at Presented at Geocongress, Geocongress, Denver, CO. (International)

Abichou, T., Yuan, L., & Chanton, J. (presented 2008). *Estimating Methane Emission and Oxidation from earthen Landfill Covers*. Presentation at Presented at Geocongress, Geocongress, Denver, CO. (State)

Mahieu, K., Chanton, J., Abichou, T., & DeVisscher, A. (presented 2008). *Stable Isotope Method and Modeling to Quantify Methane Oxidation*. Presentation at 5th Inter-Continental Landfill Research Symposium, 2008, ICLRS, Copper mountains, United States. (International)

Abichou, T., Yuan, L., Chanton, J., & De Visscher, A. (presented 2007). *Estimating Methane emissions and Oxidation from Earthen Landfill Covers*. Presentation at Sardinia '07 International solid and Hazardous Waste Symposium, CISA, Cagliari, Sardinia. (International)

Abichou, T. (presented 2005, December). *Update on ET Cover Test Section at the Leon County Landfill*. Presentation at Presented at the Technical Advisory Group Meeting, Leon County Landfill, Tallahassee, FL. (Local)

Abichou, T. (presented 2005, June). *Research Activities at the Leon County Landfill*. Presentation at Presented at the Technical Advisory Group Meeting, Leon County Landfill. (Local)

Abichou, T., Schnabel, B., Lee, B., Munk, J., & Barnes, D. (presented 2005, April). *Utilizing Electrical resistivity for the Visualization of Moisture Movement through a vegetated Landfill Cover*. Presentation at Presented at the 3rd International Phyto-technologies Conference, 3rd International Phyto-technologies. (International)

Abichou, T. (presented 2005). *Research on Bio-Reactive Landfill Covers*. Presentation at Presented at the Florida Department of Environmental Protection Annual Workshop, Florida Department of Environmental Protection. (State)

Abichou, T. (presented 2004, May). *Construction of ET cover Test Section*. Presentation at Presented at the Technical Advisory Group Meeting, Technical Advisory Group. (State)

Abichou, T. (presented 2002, March). *Research Activities at the Leon County Landfill*. Presentation at Presented at the Meeting of Tallahassee Scientific Society Meeting, Tallahassee Scientific Society, Tallahassee, FL. (Local)

- Abichou, T., Albright, W., Benson, C., & Shedden, R. (presented 2001). *Using Construction waste Soils as Alternative Earthen Final Cover at Solid Waste Landfill*. Presentation at Presented at the International conference on Solid Waste Technology and Management, International conference on Solid Waste Technology and Management, Philadelphia, PA. (International)
- Abichou, T., Benson, C., & Edil, T. (presented 2001). *Micro-Structure and Hydraulic Conductivity of Sand-Bentonite Mixtures*. Presentation at Presented at Clay Minerals Society Meeting, Clay Minerals Society, Madison, WI. (International)
- Abichou, T., Edil, T., & Benson, C. (presented 2001). *Mass Behavior of Shredded Tire Backfills*. Presentation at Proceedings of the International Conference on Beneficial Use of Recycled materials in Transportation Applications, International Conference on Beneficial Use of Recycled materials in Transportation Applications, Washington, D.C. (International)
- Abichou, T., Paletti, N., Benson, C., Albright, W., & Gee, G. (presented 2001). *Design Considerations for Lysimeter Used to Evaluate Alternative earthen Final Covers*. Presentation at Presented at the International Conference on Solid Waste Technology and Management, International Conference on Solid Waste Technology and Management, Philadelphia, PA. (International)

## **Contracts and Grants**

### **Contracts and Grants Funded**

- Abichou, T., & Watts, M. (Jul 2013–Aug 2014). *Leachate Collection Systems Clogging in Florida: A Reality Check*. Funded by Hinkley Center. Total award \$34,104.
- Abichou, Tarek (PI). (Jun 2012–May 2014). *Development Of Techniques To Quantify H<sub>2</sub>S Oxidation In L*. Funded by Waste Management, Inc. (NONE). Total award \$115,352.
- Chanton, Jeffrey P (PI), & Abichou, T. (Jan 2010–Mar 2011). *Constraining The Effects Of Secondary Porosity On CH<sub>4</sub> Ox*. Funded by Environmental Research and Education Fdn. (NONE). Total award \$100,000.
- Chanton, J., & Abichou, T. (Feb 2009–Jan 2010). *Measurement and modeling at WMI landfills Across the USA*. Funded by Waste Management, Inc. Total award \$90,000.
- Chanton, J., & Abichou, T. (Feb 2008–Jan 2009). *Modeling and Isotopic Measurements of landfill methane emission (2)*. Funded by Waste Management, Inc. Total award \$110,000.



- Abichou, Tarek (PI), & Chanton, J. P. (Sep 2007–Feb 2009). *Developing a Best Management Practices (BMPs) Manual for*. Funded by University of Florida. (UF-EIES-0732025-FSU). Total award \$30,000.
- Chanton, J., & Abichou, T. (Feb 2007–Dec 2007). *Modeling and Isotopic Measurements of landfill methane emission*. Funded by Waste Management, Inc. Total award \$110,000.
- Abichou, Tarek (PI), & Tawfiq, K. S. (Nov 2006–Sep 2008). *Development of an Informational and Technical Database o*. Funded by Leon County. (None). Total award \$63,044.
- Abichou, Tarek (PI), & Chanton, J. P. (Oct 2006–Jan 2007). *Modeling of GasTransport and Oxidation oat Different Lan*. Funded by Waste Management, Inc. (NONE). Total award \$28,933.
- Abichou, T. (Sep 2006–Aug 2007). *Long Term Performance and Large Scale Implementation of Bio-Oxidation of Landfill Gases to Mitigate Green House Gases and Reduce Odors*. Funded by Florida Solid and Hazardous Waste Management Center. (17138). Total award \$55,000.
- Chen, Gang (PI), Chanton, J. P., & Abichou, T. (Aug 2006–Jul 2007). *Impact of Landfill Leachate On Iron Release*. Funded by University of Florida. (UF-EIES-0632020-FSU). Total award \$35,000.
- Mtenga, P., & Abichou, T. (Aug 2006–Jul 2007). *Acquisition of Echo Therm System for Non-Destructive Evaluation*. Funded by NSF. Total award \$183,000.
- Chanton, J., & Abichou, T. (May 2006–Aug 2006). *Ground-truth for Laser flux measurements*. Funded by Waste Management, Inc. Total award \$87,000.
- Chanton, Jeffrey P (PI), & Abichou, T. (Mar 2006–Sep 2006). *Methane Emissions at Springhill and Outer Loop Landfill*. Funded by Waste Management, Inc. (NONE). Total award \$86,999.
- Abichou, Tarek (PI), Tawfiq, K. S., & Chanton, J. P. (Oct 2005–Sep 2007). *Beneficial Reuse of Waste Materials (Tire Chips, Glass*. Funded by Leon County. (NONE). Total award \$165,001.
- Abichou, Tarek (PI), & Chanton, J. P. (Sep 2005–Dec 2006). *Long Term Performance and Large Scale Implementation*. Funded by University of Florida. (UF-EIES-0532017-FSU). Total award \$50,124.
- Chanton, J., & Abichou, T. (Oct 2004–Sep 2007). *Inexpensive Biocover and Biofilter Approaches for Effective Reduction of Methane Emissions from Landfills*. Funded by NSF. Total award \$389,000.

Abichou, T. (Sep 2004–Dec 2005). *Inexpensive Approaches for Reducing Methane and Hydrocarbon Emissions from Landfills*. Funded by Florida Solid and Hazardous Waste Management Center. (215000-540-014568). Total award \$50,000.

Abichou, Tarek (PI), & Chanton, J. P. (Sep 2004–Jan 2006). *Bio-Reactive Covers Systems: Inexpensive Approaches for*. Funded by University of Florida. (UF-EIES-0432028-FSU). Total award \$50,000.

Abichou, T. (Aug 2003–Dec 2004). *Inexpensive Approaches for Reducing Methane and Hydrocarbon Emissions from Landfills*. Funded by Florida Solid and Hazardous Waste Management Center. (6120-600-41). Total award \$65,000.

Abichou, T. (Apr 2003–Mar 2008). *Field Assessment of ET Caps*. Funded by US EPA. Total award \$395,000.

Abichou, T. (Oct 2002–Sep 2004). *Lysimeter Design for Assessment of Alternative Earthen Covers*. Funded by Florida Solid and Hazardous Waste Management Center. (6120-588-41). Total award \$34,014.

Abichou, T. (Sep 2002–Sep 2003). *Bio-Reactive Landfill Covers*. Funded by Florida Solid and Hazardous Waste Management Center. (6120-587-41). Total award \$43,000.

Abichou, T. (May 2002–Aug 2002). *First Year Assistant Professor Grant*. Funded by FSU. Total award \$10,000.

Abichou, T. (Oct 2001–Dec 2002). *Assessment of Alternative Earthen Covers for Florida's Landfill*. Funded by Florida Solid and Hazardous Waste Management Center. (61-20-578-41). Total award \$36,422.

### **Postdoctoral Supervision**

Wang, C. (2009–10).

Mahieu, K. (2007–09).

Jardak, M. (2008).

Powelson, D. (2004–07).

Gunes, K. (2003–04).

## **Service**

### **Florida State University**

#### **FSU University Service**

member, Fulbright (2009–2013).

#### **FSU College Service**

Faculty Advisor, Engineers Without Borders (2006–2009).

Faculty Advisor, ASCE Student organization (2004–2006).

#### **FSU Department Service**

Member, Laboratory committee (2012–2013).

Member, Undergraduate Committee (2008–2010).

Member, ABET Committee (2006–2008).

Member, Graduate committee (2005–2008).

## **The Profession**

#### **Editor for Refereed Journals**

editor, *Frontiers of Environmental Science & Engineering* (2012–2013).

#### **Editorial Board Membership(s)**

*Geomechanics and Engineering* (2010–2013).

#### **Guest Reviewer for Refereed Journals**

*International Journal of Civil Engineering* (2013).

*Arab Journal of Geosciences* (2012–13).

*Ecological Engineering* (2012–13).

*Journal of Materials* (2012–13).

*Journal of Ecological Engineering* (2011–13).

*Journal of Environmental Quality* (2010–13).

*International Journal of Environmental Engineering* (2008–13).

*Journal of the Air & Waste Management Association* (2008–13).

*Canadian Geotechnical Journal* (2005–13).

*Journal of Geological and Geotechnical Engineering* (2005–13).

*International Journal of Phytoremediation* (2004–13).

*Journal of Environmental Engineering* (2004–13).

*Waste Management* (2003–13).

*Waste Management and Research* (2003–13).

*Journal of Geotechnical testing* (2002–13).

*Journal of Geotechnical and Geoenvironmental Engineering* (2000–13).

### **Chair of a Symposium**

Abichou, T. (Chair). (2012). *global waste 2012*. Symposium conducted at the meeting of Global Waste.

Abichou, T. (Chair). (2010). *Geoflorida 2010*. Symposium conducted at the meeting of Geoinstitute.

Abichou, T. (Chair). (2010). *Global Waste Conference 2010*. Symposium conducted at the meeting of Global Waste.

Abichou, T. (Chair). (2008). *Geocongress 2008*. Symposium conducted at the meeting of geoinstitute.

Abichou, T. (Chair). (2008). *Inter-continental Landfill Research Symposium*. Symposium conducted at the meeting of Inter-continental Landfill Research Symposium.

Abichou, T. (Chair). (2008). *workshop on sustainable landfill design*. Symposium conducted at the meeting of NSF.

Abichou, T. (Chair). (2006). *Inter-continental Landfill Research Symposium*. Symposium conducted at the meeting of Inter-continental Landfill Research Symposium.

Abichou, T. (Chair). (2003). *US-EPA Phytotechnologies Conference*. Symposium conducted at the meeting of US-EPA.

### **Service to Professional Associations**

Geoenvironmental Engineering Committee, new standard review, American Society of Civil Engineers (ASCE) (2005–2013).

### **Service to Other Universities**

Member of Advisory Board, *University of Gabes* (2008–2013).

### **The Community**

Instructor, Geosynthetics in Solid Waste Applications, Florida Department of Environmental Protection (2012–2013).

President, An Environmental Tunisian Non Governmental Organization, ADEZ (2011–2013).

Technical Advisory Group, Technical Advisory Group Member on several projects, Florida DEP (2002–2013).

Technical Advisory Group Member, Technical Advisory Group, Florida Department of Environmental Protection (2000–2013).