

## ABET FACULTY VITAE (2 Page)

**Name:** Milind Khire

### **Education:**

- Ph.D., Civil and Environmental Engineering, University of Wisconsin-Madison, 1995
- M.S., Civil & Architectural Engineering, University of Miami, Florida, 1992
- B.E., Civil & Sanitary Engineering, University of Bombay, Mumbai, India, 1988

### **Academic Experience:**

- UNC Charlotte, Assistant Director, Energy and Environment Cluster, 2015 – Present, Full-Time
- UNC Charlotte, Technical Director of CALM Office, 2015 – Present, Full-Time
- UNC Charlotte, Professor, 2013 – Present, Full-Time
- Michigan State University, Associate Professor, 2008 – 2013, Full-Time
- Michigan State University, Assistant Professor, 2002- 2007, Full-Time

### **Non-Academic Experience:**

- Tonkin & Taylor, Senior Geoenvironmental Engineer, 1999-2001, Full-Time
- Geosyntec Consultants, Project Engineer, 1998-1999, Full-Time
- Geosyntec Consultants, Assistant Project Engineer, 1995-1997, Full-Time

### **Certifications or Professional Registrations:**

- Registered Professional Engineer (P.E.), Michigan & Texas

### **Current Membership in Professional Organizations:**

- American Society of Civil Engineer (ASCE)
- Technical Committee Member, Engineering Society of Detroit

### **Honors and Awards:**

- Severson Geotechnical Award, UW-Madison, 1995
- Sigma Xi Honorary Student Member, UW-Madison, 1995
- Chi Epsilon Honorary Student Member, UW-Madison,, 1995
- James Croes Medal, American Society of Civil Engineers, 1998
- Exemplary Service Award, American Society of Civil Engineers, 2006
- Lilly Teaching Fellowship, Michigan State University, 2006
- Chi Epsilon Honorary Faculty Member, Michigan State University, 2009
- Alpha Technological Award, Engineering Society of Detroit, 2011

### **Service Activities (Within and Outside of the Institution):**

- Associate Co-Editor of Environmental Geotechnics, Special Issue on Environmental Barriers
- Associate Co-Editor of ASCE Journal of Hazardous, Toxic, and Radioactive Waste Mgmt (Special Issue: Bioreactor Landfills, 2013)
- Technical Program Co-Chair, GeoCongress 2008, ASCE Geo-Institute, March, 2008, New Orleans, Editorial Board Member, Journal of Geotechnical and Geoenvironmental Engineering, ASCE (2002-2006)

- Technical Session Co-Chair, GeoFlorida 2010, GeoCongress 2012, and GeoCongress2014
- Proposal Panelist, NSF, CMMI, Geoenvironmental and Geohazards Program
- Proposal Panelist, DOE, Environmental Science and Technology Program
- Proposal Panelist for EPA's SBIR – Phase I Grant Program, Proposal Reviewer for U.S. Civilian Research & Development Foundation (CRDF)
- Kingdom of Saudi Arabia, Strategic Technology Program, Lead Research Panelist, King Abdulaziz City for Science and Technology, 2013.
- Geo group coordinator (2014 to current)
- College Re-appointment, tenure and promotion committee (2014)
- College Re-assignment of duties committee, Committee Chair, MSU American Society of Civil Engineers (ASCE) and American General Contractors (AGC) Chapter Advisor (2008 to 2012)
- Chair, Graduate Studies Committee, Civil & Environmental Engineering, MSU 2010-2013
- Chair, Engineering Graduate Studies Committee, College of Engineering, MSU 2012-2013
- Chair, Faculty Search Committee for Departmental Technologist Position, MSU, 2011
- Undergraduate Awards Committee Rep., College of Engineering, MSU, 2002-2004

**Select Publications and Presentations (Last Five Years):**

1. Saravanathiiban, D., Kutay, M. E., Khire, M. (2014) "Effect of Macropore Morphology on Preferential Flow through Saturated Soil: A Lattice Boltzmann Study," Computers and Geotechnics, Volume 59, Pages 44–53.
2. Reddy, R., Kulkarni, H. and Khire, M. (2013), "Two Phase Modeling of Leachate Recirculation Using Vertical Wells in Bioreactor Landfills," Journal of Hazardous, Toxic, and Radioactive Waste Mgmt, ASCE, 17(4), 272–284.
3. Mijares, R. and Khire, M. (2012), "Field Data and Numerical Modeling of Water Balance of Lysimeter vs. Actual Earthen Cap," Journal of Geotechnical & Geoenvironmental Engineering, ASCE, 138(8): 889-897.
4. Mukherjee, M. and Khire, M. (2012), "Instrumented Large-Scale Subsurface Liquid Injection Model for Bioreactor Landfills," Geotechnical Testing Journal, ASTM, 35(1): 1-10.
5. Mijares, R., Khire, M., and Johnson, T. (2012), "Field-Scale Evaluation of Lysimeters versus Actual Earthen Covers," Geotechnical Testing Journal, ASTM, 35(1): 41-50.

**Recent Professional Development Activities:**

- Attendee and presenter at biennial Global Waste Management Conferences (2008-2016)
- PI, Landfill hydraulics, National Science Foundation, 2011-2014
- PI, Water balance covers for landfills, TxSWANA, 2012-2016
- PI, Prediction of freeze-thaw of pavements, MDOT, 2012-2015
- US delegate of Connex, a US-Israel trade connections organization, for a visit to Israel's water treatment and water conservation infrastructure (Oct. 2015) and attendee at Watec 2015, a water technology conference
- Visited South Africa as part of a Coal Energy resource management visit (Nov. 2014)
- Attendee and presenter at WOCA 2015, Nashville, May 2015