

**A. EDUCATION:**

Ph.D. (1996)	Environmental Engineering	University of Cincinnati, Cincinnati, Ohio, USA
M.S. (1987)	Biological Engineering	St. Cyril & Methodius University, Skopje, Macedonia
B.S. (1982)	Chemical Engineering	Jiangxi Institute of Technology, Nanchang, China

**B. PROFESSIONAL EXPERIENCE:**

**2008-present** Professor

**2003-2008** Associate Professor

**1997-2003** Assistant Professor  
Dept. of Biological & Agricultural Engineering, North Carolina State University, Raleigh, North Carolina, USA.

**2013-2014** Visiting Professor, Peking University-Shenzhen Graduate School, Shenzhen, China

**2005-2006** Fulbright Scholar, University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria

**1996-1997** Research Associate, Dept. of Civil & Environmental Engineering, University of Cincinnati, Cincinnati, Ohio, USA.

**1991-1996** Research Assistant, Dept. of Civil & Environmental Engineering, University of Cincinnati, Cincinnati, Ohio, USA.

**1987-1991** Lecturer and Fermentation Division Director, Dept. of Food Engineering, Jiangxi Polytechnic University, Nanchang, China.

**1985-1987** Graduate Research Assistant, Dept. of Biological Engineering, St. Cyril & Methodius University, Skopje, Macedonia.

**1982-1985** Teaching and Research Assistant, Dept. of Chemical Engineering, Jiangxi Institute of Technology, Nanchang, China

**C. HONORS AND AWARDS:**

2012 Ziyu Wang (advisee) won the 3<sup>rd</sup> place in the Ph.D. category competition of the ASABE Boyd-Scott Graduate Research Award

2012 College Nominee for the 2010-2011 Alumni Outstanding Research Award, N.C. State University

2011 College Nominee for the 2009-2010 Alumni Outstanding Research Award, N.C. State University

2011 Ziyu Wang (advisee) won the 2<sup>nd</sup> place in the Agricultural Sciences Category of the 2011 NCSU Graduate Research Symposium

2010 College Nominee for the 2008-2009 Alumni Outstanding Research Award, N.C. State University

2009 Deepak Keshwani (advisee) won the 1<sup>st</sup> place in the Ph.D. category competition of the ASABE Boyd-Scott Graduate Research Award

2009 Ziyu Wang (advisee) won the 1<sup>st</sup> place in the M.S. category competition of the ASABE Boyd-Scott Graduate Research Award

2007 Departmental Nominee for the 2005-2006 Alumni Outstanding Research Award, N.C. State University

2005 Fulbright Scholar, Council for International Exchange of Scholars, US Department of State

2004 Gamma Sigma Delta

2004 Sigma Iota Rho-International Studies

- 2000 First Place Poster Presentation Award, Water Environment Federation 73<sup>rd</sup> Annual Meeting, Anaheim, California.
- 1995 First Place in Ph.D. Category, Water Environment Federation Student Paper Competition.
- 1994-1996 Doctoral Dissertation Scholarship, University of Cincinnati.
- 1991-1994 University Graduate Scholarship, University of Cincinnati.
- 1988 Top Honors Award for Visual Aids in Teaching, Jiangxi Polytechnic University.
- 1985-1987 Study-Abroad Scholarship, Jiangxi Department of Education, Jiangxi, China.

#### **D. PROFESSIONAL MEMBERSHIP:**

ASABE (American Society of Agricultural and Biological Engineers)

IWA (International Water Association)

WEF (Water Environment Federation) (1995-2008)

Founding Member and President (1995) of WEF-University of Cincinnati Student Chapter

AOCABFE (Association of Overseas Chinese Agricultural, Biological, and Food Engineers)

CAST-USA (Chinese Association for Science and Technology in USA)

#### **E. PROFESSIONAL SERVICE:**

**Associate Editor:** *Journal of Environmental Engineering* (2000-2005)

*Journal of Biology* (Chinese) (2009-present)

**Guest Professor:** Wuhan University of Science and Technology (2013-present)

Nanjing University of Technology (2012-present)

South China University of Technology (2010-present)

The Catholic University of Ecuador (2009-present)

Hefei University (2009-present)

Beijing University of Chemical Technology (2002- present)

**Reviewer:** *Bioresource Technology, Chemosphere, International Biodeterioration & Biodegradation, Environmental Science & Technology, Journal of Chemical Technology & Biotechnology, Journal of Environmental Engineering, Journal of Environmental Management, Resources, Conservation & Recycling, Transactions of ASABE, and Water Research;*

Environmental Research and Education Foundation, Fulbright Program, Louisiana Sea Grant College Program, Natural Sciences and Engineering Research Council of Canada, Qatar National Research Fund, The Wellcome Trust (UK), US National Science Foundation, T-STAR Program of the University of Hawaii, The Cooperative Institute for Coastal and Estuarine Environmental Technology, USDA, and US EPA.

**External Examiner:** University of Manitoba, Winnipeg, Canada (2012, 2015)

#### **National and International Professional Committees:**

- Organizing Committee Member, The 3<sup>rd</sup> International Conference on Duckweed Research and Applications, Kyoto, Japan, July 3-6, 2015.
- Chair, International Symposium on Microalgae and Applications, Shenzhen, China, 13-14 June 2014.
- Program Vice Chair, *The 5th International Conference on Environmental Technology and Knowledge Transfer, Hefei, P.R. China, May 15-17, 2014.*
- Co-Chair, *The 2<sup>nd</sup> International Conference of Duckweed Research & Applications, 21-24 August 2013, New Brunswick, New Jersey, USA.*
- Session Chair, *2013 International Low-Carbon Forum of Regional Development, 20-22 April 2013, Shenzhen, Guangdong Province, China.*
- Program Vice Chair, *The 4th International Conference on Environmental Technology and Knowledge Transfer, Hefei, P.R. China, May 24-25, 2012.*
- Chair of Technical Program and Session Chair, *The 1<sup>st</sup> International Conference of Duckweed Research & Applications-Resources, Environment and Bio-energy, 5-7 October 2011, Chengdu, Sichuan, China.*
- Panel of U.S. NSF Energy for Sustainability - Biomass Conversion & Biofuels, 2011
- Panel of U.S. EPA-People, Prosperity, and the Planet Program, 2010

- Program Vice Chair and Session Chair, The 3rd International Conference on Environmental Technology and Knowledge Transfer, Hefei, P.R. China, May 13-14, 2010.
- Panel of U.S. EPA-People, Prosperity, and the Planet Program, 2009
- Panel of U.S. EPA-NCER-SBIR Program, 2009
- Session Chair, *The 4th International Conference on Environmental Science and Technology, July 28-31, 2008, Houston, Texas, USA.*
- Advisory Committee, *The 4th International Conference on Environmental Science and Technology, July 28-31, 2008, Houston, Texas, USA.*
- Panel of U.S. EPA-NCER-SBIR Program, 2007
- North Carolina Biomass Council, 2006-2008
- Panel of U.S. DOE/USDA Biomass Research and Development Initiative, 2006, 2007
- Session Chair, CIGR (International Commission of Agricultural Engineering) 2004 *International Conference, 11-14 October, Beijing, China (2004)*
- Panel of USDA-CSREES-SBIR Program, 2003-2004
- ASABE BE-28 Bioconversion and Bioprocess Committee, 2002-present
- North Carolina Energy Technical Advisory Group (ETAG), 2001-present
- USDA S-1000 (formerly S-275) Animal Waste Management Committee, 1999-present
- USDA S-1007 Biotechnology and Bioconversion Committee, 2003-present
- USDA SRDC 00-03 Biotechnology and Bioconversion Committee, 2001-2003
- Water Environment Federation-Literature Review Committee, 2003-2007
- Water Environment Federation-Residuals and Biosolids Committee, 2003-2008
- Consortium of US Universities and Agencies for China's Agricultural Science and Technology Development, 2001-2003

**Other Professional Service:**

- Environmental Engineering Consultant, M2P2, LLC, Ames, Iowa, 2010-2012
- Bioenergy Consultant, World Bank, 2009
- Environmental Engineering Consultant, Pegasus Technical Services, Cincinnati, OH, 2007
- Environmental Engineering Consultant, Research Triangle Institute, RTP, NC, 2002-2003
- Environmental Engineering Consultant, NCH Corporation, Irving, Texas, 2001