

Curriculum Vitae

Shubiao WU PhD, Associate Professor

Education

- Jan. 2010–Jan. 2012: PhD study in Germany, Department of Environmental Biotechnology, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany
- Sep. 2007–Dec. 2009: PhD study in China, College of Water Resource and Civil Engineering, China Agricultural University, Beijing, China
- Sep. 2003–June 2007: Bachelor degree study in China, College of Water Conservancy and Civil Engineering, China Agricultural University, Beijing, China

Social Responsibilities

- Jan. 2015–present: Member of the IWA China Young Water Professionals National Committee (No. 01069185)
- Jan. 2014–present: Senior Member of China Agricultural Engineering Association (No. E041200814S)
- Peer reviewer of more than 10 international journals, such as *Water Research*, *Applied Energy*, *Environmental Science & Technology*, *Ecological Engineering*, *Chemosphere*, *Science of the Total Environment*, *Waste Management*. At the end of 2015, I was also acknowledged as a valued reviewer of *Ecological Engineering*.

Honours and Awards

- 2016. 09: Awarded a Science & Technology Innovation Award for Young Talents in Chinese Society of Agricultural Machinery;
- 2015. 01: Awarded by Beijing Academic Nova in the Beijing Science & Technology Council;
- 2012. 06: Awarded with Excellent Doctoral Research award in Beijing Universities Union.

Main Research Interests

- Treatment of agricultural wastewaters in intensified constructed wetlands
- Nutrients recovery from agricultural bio-waste and effluents
- Degradation performance and pathways of emerging organic pollutants in ecosystems

Scientific Achievements

- One Scientific Book that Updates New Knowledge for the Chinese Market
- Five International and Four National Review Articles to Help Young Scientists Understand the Status of Research Fields
- Fifty International Peer-reviewed Research Articles for Sharing New Knowledge Worldwide
- Ten Authorised Patents and Three Software Packages for Transferring Knowledge to Technology

Teaching Courses

- ‘Agricultural Engineering and Sustainable Development’ for undergraduates (2 ECTS)
- ‘Agricultural Ecology and Environmental Protection’ for undergraduates (2 ECTS)
- ‘General Biology Experiments’ for undergraduates (2 ECTS)

Projects

- Jan. 2015–Dec. 2017: Grant from Beijing Science and Technology Council Funding ‘Monitoring and controlling of the dynamics of ammonium in the anaerobic digestion process for biogas production’ (2,200,000 RMB) [PI]
- Jan. 2015–Dec. 2017: Grant from Beijing Academic Nova Foundation ‘High efficient nutrients recovery and utilization of liquid digestate from anaerobic digestion of pig manure’ (350,000 RMB) [PI]
- Jan. 2014–Dec. 2015: Grant from Beijing Science and Technology Council Funding ‘Sustainable Utilization of Biogas Slurry in Field and Post-treatment for Environmental Protection’ (Project No. D141100001214002, 1,500,000 RMB) [PI]