



**Dr. Cheng Gu (谷成)**

Professor

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### *1. My career path?*

I received my BS and MS degree in Environmental Chemistry from Nankai University in 1997 and 2000, respectively. Then I went to University of Wisconsin-Madison to pursue my PhD study under the supervision of Prof. K.G. Karthikeyan. After receiving my PhD in 2006, I joined Prof. Stephen Boyd's group as a postdoc at Michigan State University. In 2011, I went back to Nanjing University as a professor.

### *2. Your current research areas, interests, and projects?*

My current research focused on the surface reaction of organic contaminants on natural soil minerals. We are combining the laboratory experiments, state-the-art molecular-scale techniques, and theoretical calculations to seek a fundamental understanding of the interfacial interactions between organic pollutants and soil minerals.

Some specific interests include: surface catalyzed reaction, molecular simulation of interaction between organic contaminants and soil minerals, synthesis of clay supported nanomaterials, soil and sediment remediation.

My current research projects are supported by National Science Foundation of China (NSFC) and National Key Basic Research Program of China.

### *3. Courses you normally teach?*

I have been teaching "Soil and water interface chemistry" and "Introduction to Environmental Science" to undergraduates for the past three years. Also, I have been teaching "Scientific reading and writing" as a required core-course for M.S. students.

### *4. My professional activities?*

I am a member of American Chemical Society (ACS), Soil Science Society of America (SSSA). I have organized several symposiums in ACS and SSSA conferences.

### *5. Can you briefly describe major attractions and cultural environment of your area and/or community?*

Nanjing is a beautiful city located in the lower Yangtze River Delta, which has long been a major city of culture, education, research, politics, economy, transport networks and tourism in China. There are many historical attractions, e.g., the Sun Yat-sen Mausoleum and Qinhuai River.

### *6. My thoughts on key factors that lead to your career today?*

Strong interests in research always motivates me to move forward.

