

# FEATURED MEMBERS

## 1. *My career path?*

I received my Ph.D. in Environmental Engineering from University of Washington, subsequent to completion of a M.S. and B.S. in Environmental Engineering from University of Washington and Sichuan University, respectively. Prior to starting as an Assistant Professor at UCR in 2013, I conducted two-year postdoctoral research at University of California, Berkeley.

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

My group's research is focused on the understanding and application of aquatic chemical processes to improve water quality, design treatment processes and provide more reliable water supplies. Aquatic chemistry plays a pivotal role in both the engineered and natural systems of water cycle. My research focuses on the applications of aquatic chemistry principles to our benefits in engineered applications such as water purification and wastewater reclamation, as well as to understand how various redox and interfacial chemical processes influence natural systems such as estuarine, surface and groundwater. We seek to integrate fundamental principles of surface chemistry, electrochemistry and chemical kinetics modeling with advanced analytical capacities to address these issues. My current and recent research has been sponsored by the National Science Foundation, Department of Interior, Department of Agriculture, and Water Research Foundation. He has active collaborations with faculty in Engineering, Chemistry, Environmental Toxicology and Plant Pathology, as well as international collaborations in Italy, China and Switzerland to address interdisciplinary and global environmental challenges.

## 3. *Courses you normally teach?*

I have been teaching Water Chemistry, Biological Unit Operation, and Environmental Engineering Labs regularly the last three years. I also taught Hazardous Waste Management and Introduction to Environmental Engineering in the past.

## 4. *My professional activities?*

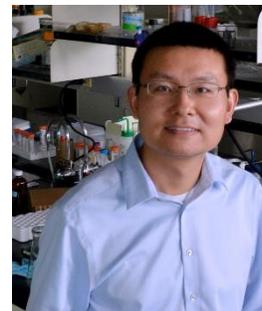
I am a member of American Chemical Society (ACS), International Water Association (IWA), and Association of Environmental Engineering and Science Professors (AEESP). I have been organizing ACS symposia in the past four years.

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

Riverside is located in the Inland Region of Southern California. It is within one hour's drive to both the ocean to the west and to the inland mountains to the east – you can do both surfing and skiing on the same day! In addition, Southern California is at the epicenter of water shortage and environmental issues. I am fortunate to find a very reach-proactive and forward-thinking water industry community here and forge collaborations.

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

Curiosity to science always drives me to learn and discover. I am also grateful to many mentors along



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