



**Bioreactor-Biochar (B²) Treatment System: A Novel Design to Remove
and Capture Nutrients from Agricultural Drainage Water**

Hongxu Zhou, Wei Zheng, Richard A. Cooke, & Rabin Bhattarai

*Illinois Sustainable Technology Center, University of Illinois Urbana-Champaign, Champaign, IL, USA
Department of Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, USA*

U.S. Environmental Protection Agency
Office of Science Advisor, Policy and Engagement
Office of Research and Development
Science to Achieve Results (STAR) Program

Approaches to Reduce Nutrient Loadings for Harmful Algal Blooms Management

NCR-SARE Graduate Student Grant (GHC22-361) to H. Zhou

- Sophie Circenis
- Haribansha Timalisina
- Erin Huggett
- Marisa Moreno
- Jason Kandume
- Siming Yang
- John Scott
- Wiles, K.
- Varun Gopalakrishnan
- Manandhar, J



- Lauren Lurkins
- Elaine Stone
- Joe Pickowitz
- Dr. Lakhwinder Hundal
- Dr. Albert Cox
- Dr. Olawale Oladeji
- Dr. Guanlong Tian
- Dr. Sharma, B.K.
- Dr. Richard Cooke
- Dr. Rajagopanlan, K.



Soil Science Society of America

Soil and Environmental Quality Division

presents to

Hongxu Zhou

First

in the

Oral Only Student Competition

Chair

Dr. Sandeep Kumar