



**Jun Zhu**, professor, University of Arkansas, is being honored for exceptional contributions to and leadership in reducing the negative environmental impacts of animal agriculture, and to conserving natural resources.

Zhu is a professor in the Department of Biological and Agricultural Engineering at the University of Arkansas. He conducts research to produce original scholarly work that advances his field of science, meets

clientele needs, and benefits society. Zhu teaches sustainable biosystems design to undergraduate seniors. He serves as the director of the Center for Agricultural and Rural Sustainability in the University of Arkansas System Division of Agriculture.

Zhu has made outstanding contributions throughout his career by applying engineering theory and principles to improve animal waste management practices, not only in new treatment technologies development, but in value recovery of animal agricultural production residues. An example of his impactful research is the innovative development of an effective system consisting of anaerobic digestion, struvite production, and water recovery to treat poultry litter, a commonly considered substrate unsuitable for liquid digestion due to its dry nature. This work has drawn interests from poultry and egg industries across the nation and has been reported in multiple media outlets which can be accessed worldwide. Zhu has visited the National Meat Inspection Service Bureau in Philippines representing the USDA on collaborative projects. He also was invited by the Organization for Economic Cooperation and Development (OECD) to give keynote speeches and presentations. Zhu has advised several post-doc, PhD, and MS students who have gone on to take faculty positions throughout the US and China.

Zhu is a 32-year member of ASABE. Throughout his membership, Zhu has served as editor in the Plant, Animal, and Facility Systems community (PAFS) for ASABE refereed journals. He currently is a member, and has served as chair of several ASABE technical committees. Zhu has served as editor-in-chief for the Journal of Water Technology and Treatment Methods since 2017, and also serves on the editorial board for two other peer-reviewed journals.

As the director of the Center for Agricultural and Rural Sustainability at the University of Arkansas, Zhu has helped secure significant funding from the Walton Family Foundation to establish a local, sustainable food system in Northwest Arkansas. He has authored or coauthored 2 book chapters, 162 refereed journal publications, and 156 non-refereed publications. He has won numerous awards including the Distinguished Career award by the Association of Overseas Chinese Agricultural, Biological, and Food Engineers.