



Ehsan Ghane

Ehsan Ghane is the recipient of the 2022 Larry W. Turner Young Extension Professional award for his advancement of agricultural and biological engineering by significantly improving the design and implementation of subsurface drainage.

Ghane is an assistant professor and extension specialist in biosystems and agricultural engineering at Michigan State University. In these roles, he conducts research and works in extension in the areas of water quality and agricultural drainage. Ghane provides practical drainage education that ties closely to his applied research for addressing the needs of a wide group of stakeholders. Ghane's applied research seeks to increase the performance and profitability of subsurface drainage systems and reduce its water-quality impact. Ghane embraces diversity and interdisciplinary research to advance agricultural engineering and acceleration of scientific discovery in the drainage community.

Ghane has made a significant impact within the field of drainage through his extension career. He has published 11 peer-reviewed extension bulletins and developed six educational videos regarding agricultural drainage. He has created eight drainage design tools, available on the Michigan State University drainage website, to help stakeholders make informed drainage design decisions. This highly utilized drainage website is the first of its kind in Michigan, as Michigan has not had a drainage extension specialist in more than 20 years. Ghane also developed Michigan's first Annual Drainage Design workshop to teach drainage design using these tools and hands-on exercises. While the

originally scheduled design workshop was canceled, he organized a virtual Drainage Tools Workshop to ensure that those stakeholders in need of drainage tools education were still able to learn about them. Ghane realizes that partnerships are critical to successful extension, so he has developed productive partnerships with key drainage-related organizations including the Michigan Land Improvement Contractors Association and the Conservation Drainage Network. This has extended his impact within Michigan and around the US.

A 14-year member of ASABE, Ghane has served as a member and leader on several ASABE committees. He is currently the chair of the Natural Resources and Environmental Systems Drainage group. He is also a recent chair of the Conservation Drainage Network Organizing committee and the North Central Extension and Research Activity Multistate committee.

Ghane has authored or coauthored 20 peer-reviewed articles. Throughout his career, Ghane has received several awards. In 2018, he received the ASABE Educational Aids Blue-Ribbon award. In 2013, he received the Ohio State University Graduate Presidential Fellowship and was named the Taiganides Food, Agricultural, and Biological Engineering Graduate Student of the Year.

