



Amy Kaleita, PE

Amy Kaleita, PE, ASABE Fellow, is the recipient of the 2022 Massey-Ferguson Educational Gold Medal for her dedication to all aspects of undergraduate and graduate student learning.

Kaleita is department chair and professor in agricultural and biosystems engineering at Iowa State University (ISU). She teaches courses and conducts research in land and water resources engineering and management, modeling and data analysis. This also includes numerical methods for agricultural and biosystems engineering students, soil and water conservation for technology students, and advanced soil and water conservation engineering for upper-level undergraduate and graduate students.

Throughout her career, Kaleita has been devoted to providing high quality education to early career engineers and technologists and to creating a robust research program. Kaleita also conducts research on information technology for precision conservation, remote sensing, hydrologic modeling, precision farming, and advanced analytical methods for understanding the influence of spatiotemporally variable soil and hydrologic properties.

Kaleita has also participated in a variety of outreach activities, including serving as chair of the ISU College of Engineering Honors Program committee. While chair of this committee, she led an initiative to overhaul the Engineering Honors plan of study. Kaleita was a member and leader of the departmental engineering curriculum committee and led ABET self-studies and accreditation site visits.

Kaleita routinely creates course content that

is very well organized and ready to be adopted by other instructors. Notable examples include her creation of video lectures and other support materials for a junior-level numerical methods class. Similarly, she has created materials for a senior level soil and water conservation class which has also been successfully taught by other faculty members. Kaleita spearheaded the development of an annual graduate student review process, as well as the department-wide graduate student exit survey, both of which have led to improved outcomes for students in the department.

A 24-year member of ASABE, Kaleita is a member of many ASABE and ISU committees including serving as a Trustee on the Society Board of Trustees and as a member of the Society nominating committee.

Kaleita is the author or coauthor of 53 peer-reviewed publications and numerous conference proceeding papers. She has received a number of awards including the Outstanding Advisor award from the Tau Beta Pi Engineering Honor Society. She was inducted as an ASABE Fellow in 2020.

