



Kyle R. Mankin, Research Leader and Agricultural Engineer, USDA-Agricultural Research Service, is being honored for visionary leadership in soil and water engineering from source-water forests to limited-water agroecosystems to wetland and vegetative systems.

Mankin's diverse career has spanned 3 years in the space industry, 17 years as a Kansas State University faculty member, 3 years on the Everglades program team with US FWS, 3 years as a USGS Research Hydrologist in New Mexico, and 5 years as Research Leader with USDA-ARS in Colorado. His research advances have built on fundamental hydrologic process understanding and added new transdisciplinary methodological and interpretive dimensions to address elusive agro-eco-hydrological problems. Mankin's inspiration and guidance of graduate students and postdocs has shaped a new generation of research leaders, including 8 university faculty and 1 federal scientist.

Mankin currently leads a team of scientists and engineers in broad research to promote resilient and sustainable water-limited agricultural production systems from mountain source waters to limited-irrigation crop production to dryland agricultural systems. He and his team develop simulation models and tools applicable from plant to watershed scales that extend field research and serve as decision support tools for producers, practitioners, and action agencies. His research spans treatment wetlands, wetland ecohydrology, and watershed modeling in forests and croplands. He has participated on influential committees related to Gulf of Mexico hypoxia, Upper Rio Grande water operations, and Everglades operations and water quality.

Mankin is a 29-year member of ASABE. He is currently a member of the Society Board of Trustees. He also served as chair of Publications Council, on the Society Nominating Committee, and on 23 other Society and Natural Resources and Environmental Systems (NRES) community level committees, including 13 as chair. He served 13 years as NRES editor of ASABE journals and transformed the Society's dissemination of research. He has won numerous ASABE awards including four Superior Paper awards, a Standards Development award, a Leadership award, and the A.W. Farrall Young Educator award as well as being advisor to the AEM Student Branch of the Year 5 times.

Mankin has authored or coauthored 115 peer-reviewed journal articles with over 250 coauthors in addition to over 300 book chapters, reports, and presentations. He has been awarded 84 grants totaling \$19.2M. Other awards he has received include the USGS Diversity Group award in 2018, two USDA-NIFA Projects of Excellence in 2011, and the USDA-CSREES Mission Integration award in 2009.