Dr. Song Cui is an Associate Professor in the School of Agriculture at Middle Tennessee State University. He is a broadly trained agronomist with expertise in big data algorithms, crop physiology, forage production, simulation modeling, soil and boundary layer flux (CO2, water vapor, and greenhouse gases) measurements, and large-scale agroecosystem studies addressing issues such as water sustainability and climate change. Particularly, Dr. Cui is interested in integrating machine learning techniques into advanced agronomic research domains, including remote sensing, bioinformatics, meta-analysis, and plant growth/ecological modeling. Furthermore, as a field agronomist by training, Dr. Cui enjoys conducting variety trials and cropping system research on various row, forage, and specialty crops in different agroecosystems.

Dr. Cui has authored and co-authored more than 40 high-impact journal articles since 2013. He has served as reviewers for more than ten peer-reviewed journals and had reviewed more than 30 journal articles in the past five years. Furthermore, Dr. Cui has served as the Principal Investigator for more than $3M externally funded research projects (mainly from USDA-NIFA) since 2013. Collectively, He has involved in more than $11M collaborative projects nationwide. Dr. Cui previously served as the Chair of the Airborne and Satellite Remote Sensing Community of the American Society of Agronomy. He also served as the President of Southern Branch of the American Society of Agronomy. Dr. Cui has served as an external grant reviewer panelist on eight external funding programs since 2013. Dr. Cui frequently mentors undergraduate and graduate student research projects and teaches courses including Forage Crop Production, Field Crop Production, Crop Ecophysiology, Precision Agriculture, and Agricultural Statistics and Data Analysis.