



CALL FOR PAPERS: *Journal of the ASABE* Special Collection Artificial Intelligence Applied to Agricultural and Food Systems

You are invited to submit a manuscript to the Artificial Intelligence Applied to Agricultural and Food Systems Special Collection, a peer-reviewed collection of papers to be published in the *Journal of the ASABE*. The presence and need of Artificial Intelligence (AI) driven technologies in agricultural and food systems continues to expand. Agricultural and food systems face incredible challenges with man-made and natural factors contributing to climate change, limited resources, labor shortage, complex and global market systems, and diverse policies. AI provides a unique tool for improving agricultural and food systems through robotics, automation, machine vision, proximal and remote sensing, internet of things (IoT), and other smart/intelligent technologies. To meet the 2050 goals of producing sufficient food and feed while also embracing the farming renaissance (toward greater circularity), AI driven technologies will play a leading role. The integration of AI into the agricultural and food systems will require continued growth in the core knowledge of AI, its transferability into use inspired cases and importantly the education and training of practitioners. This special collection is dedicated to showcasing the work of researchers and extension specialists, industry leaders, policy makers and other pertinent stakeholders that are engaged in this effort and contributing to solutions for 2050 agricultural and food challenges.

The 2023 Artificial Intelligence Applied to Agricultural and Food Systems Special Collection welcomes a wide range of topics and community contributions related to application of AI to systems in agricultural production and the food chain. We invite expertise from ASABE as well as other disciplines to participate in the collection. We also invite participants in the USDA NIFA Southeast Specialty Conference entitled *Envisioning 2050 in the Southeast: AI-Driven Innovations in Agriculture*.

Instructions for interested authors:

- 1) Submit your manuscript to *Journal of the ASABE* before 1 June 2022.
- 2) Submission will follow ASABE procedures (<https://www.asabe.org/JournalAuthors>) and should use the latest template (<https://www.asabe.org/ManuscriptTemplates>).
- 3) Indicate in the submission cover letter that the manuscript should be considered for 2023 Artificial Intelligence Applied to Agricultural and Food Systems Special Collection. Send an e-mail to the Editor (eic@asabe.org) indicating your Collection submission.
- 4) Papers included in the Special Collection will receive:
 - The first three pages will be free. (Full page charges will apply to the remaining pages.)
 - Public access will be free for the remainder of the year of publication plus two additional years (i.e., through 2024). Open access may be purchased at a discounted rate.
 - Papers will be highlighted in an introductory article and will include an identifying logo.

Each paper will go through a full peer-review process following ASABE procedures. The 2023 Artificial Intelligence Applied to Agricultural and Food Systems Special Collection will require contributions from many reviewers. We expect all authors will serve as a reviewer for other manuscripts when requested. Co-sponsors of this special collection are ITSC-318, ITSC-348, and MS-48.

We expect the first decision around November 1, 2022 and final acceptance by December 31, 2022. Papers will be published in 2023. If you have any questions, contact Yiannis Ampatzidis at i.ampatzidis@ufl.edu or Garey Fox at eic@asabe.org. Papers that are not accepted by the final deadline will not be included in the 2023 Artificial Intelligence Applied to Agricultural and Food Systems Special Collection, although authors can choose to continue with the review process as a regular journal manuscript.

Yiannis Ampatzidis, Special Collection Coordinator/Guest Associate Editor
Garey Fox, Editor-In-Chief, ASABE Journals