



Call for Papers: Artificial Intelligence (AI) and Home Economics

International Journal of Home Economics Special Issue

First Draft Papers Due:	1 September, 2023
Peer Review with Feedback to Authors:	10 October, 2023
Final Draft Papers Due:	1 December, 2023
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Home Economics has actively engaged with technology, including digital technology, often leading and contributing to its uptake and acceleration because of the nature and broad range of applications related to the field. Artificial Intelligence, one of the elements of the Fourth Industrial revolution, alongside increasingly familiar elements such as cloud computing and big data; is likely to be no exception.

AI is explained as follows:

Artificial intelligence (AI) systems are software (and possibly also hardware) systems designed by humans that, given a complex goal, act in the physical or digital dimension by perceiving their environment through data acquisition, interpreting the collected structured or unstructured data, reasoning on the knowledge, or processing the information, derived from this data and deciding the best action(s) to take to achieve the given goal. AI systems can either use symbolic rules or learn a numeric model, and they can also adapt their behaviour by analysing how the environment is affected by their previous actions (HLEG, 2019).

AI is identified in the 2022 EDUCAUSE Horizon Report (Pelletier et al, 2022), as providing massive benefits and challenges for humankind, along with the need for reskilling and upskilling across existing workforces. A recent review conducted by Chen et al (2020, p. 75264) revealed that “AI has extensively been adopted and used in education, particularly by education institutions, in different forms”. Lee (2019, p.149) specifically examined the role of home economics education in the fourth industrial revolution, including the use of AI, concluding that “home economics education in the 4th industrial revolution era should play a leading role in the central role of character education, and intrinsic improvement of various human lives”.

This Special Issue is focused on AI and home economics. Invited papers may focus on:

- AI understandings, use and impact
- AI, learning and teaching
- AI and ethics
- AI, personalisation, equity and inclusion
- AI, families and communities
- AI and digital transformation
- AI and new kinds of literacies
- AI and home economics futures

Other relevant themes are welcome.

This call for papers is an invitation to researchers, scholars and authors in the field of AI and home economics to submit their original research to publish in this international journal. All submitted papers will be peer-reviewed and published in an online format. We encourage collaborations across disciplines, so please consider how you might collaborate with experts on this topic.

Advice for authors, including forms to be completed and submitted with the paper for consideration, can be found at: <https://www.ifhe.org/ejournal/author-information>. For all other enquiries regarding this Special Issue please contact the Editor on the following email address: intjournalhomeeconomics@gmail.com

Final papers should be submitted to intjournalhomeeconomics@gmail.com, clearly stating they are for consideration for publication in the **Special Issue: Artificial Intelligence and Home Economics**. Papers received by the due date (1 September 2023) will enter a double-blind peer review process.

Editor for this Special Issue is Professor Donna Pendergast with Special Guest Co-editor Joy Reynolds, Griffith University.

References

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- Pelletier, K., McCormack, M., Reeves, J., Robert, J., & Arbino, N. (2022). *EDUCAUSE Horizon Report, Teaching and Learning Edition*. EDUCAUSE.

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