**Full title** [Be concise. Use sentence case.]

**Name(s) of Author(s)** [Use first and last names. Authorship is restricted to those who have contributed substantially to one or more of the following aspects of the work: conception, planning, execution, writing, interpretation, or statistical analysis.]

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**Word count of text, for example, “4,500 words”** [Include title page, all body text, and references. Exclude tables and figure captions. We recommend fewer than 7,500 words for *Journal of Food Science* research papers. There is a 10,000 word limit for Concise Reviews and Hypotheses papers. Reviews longer than 10,000 words should be submitted to *Comprehensive Reviews in Food Science and Food Safety*.]

**Short version of title** [Under 40 characters, followed by ellipsis ( . . . )]

**Choice of journal/topic** where article should appear

*Journal of Food Science:* Choose a topic from this list:

Concise Reviews and Hypotheses in Food Science

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Toxicology and Chemical Food Safety

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*Journal of Food Science Education:* Choose a section from this list:

Research in Food Science Education

Reviews and Trends

Innovative Laboratory Exercises

Classroom Techniques

Tips for Better Teaching and Learning

END PAGE 1**ABSTRACT**: State what was done (giving indication of importance), how it was done, major results, and conclusions in 250 words or less. Define all acronyms and abbreviations; do not cite references.

**Practical Application:** (*JFS* original research manuscripts ONLY; optional)

In 2 to 3 sentences (under 100 words) written in plain laymen’s terms, state the possible industrial or consumer application(s) of this research. This brief paragraph should be easily understood by non-scientists and should not make extravagant claims.

\*NOTE\* Do not include a Practical Application for *JFS* Concise Reviews, *JFSE*, and *CRFSFS* papers.

END PAGE 2**1** **Introduction**

In about two pages or less (double spaced), review pertinent work, cite key references, explain the importance of the research, and state the objectives of your work.

*Citation examples:*

* Single author: “Wlodkowski (2008)” or “(Wlodkowski, 2008)”
* Two to five authors: “Bhatt, Gooch, Dent, and Sylvia (2017)” or “(Bhatt, Gooch, Dent, & Sylvia, 2017)” [first citation]; “Bhatt et al. (2017)” or “(Bhatt et al., 2017)” [subsequent citations]
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**2 Materials and Methods**

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**2.1 Header level 2 (subhead)**

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Provide enough detail so work can be repeated. Use subheads for clarity. Avoid use of trade names. Define abbreviations and acronyms.

Time abbreviations: year(s), month(s), week(s), day(s), hr, min, s

Be careful not to commit plagiarism or self-plagiarism by using exact wording of methods from a previous publication.

When citing equipment or supplies, at the first mention, give the full source company’s name and location, including city, state/province, and country. Examples: “Compusense Cloud (Compusense, Inc., Guelph, ON, Canada)”; “Muzzi Family Farms Organic Baby Spinach (Muzzi Family Farms, Salinas, CA, USA)”. For each subsequent mention of the company, give only the name of the company without location. Use abbreviations Inc., Ltd., Co., Corp.

If the work involves human beings or experimentation on living animals, provide evidence that it was performed in accordance with local ethical guidelines. If the work involves humans, include a statement under a subheader such as "Subjects" or "Sensory panel" similar to: "The study was reviewed and approved by the \_\_\_ Univ. IRB and informed consent was obtained from each subject prior to their participation in the study."

Conduct statistical analysis *only* if variation with a treatment (standard deviation divided by the means) is greater than 10% and difference among treatment means is less than 3 standard deviations.

**3 Results and Discussion**

Present and discuss results concisely, using figures and tables as needed (but not the same information in both figures and tables). Compare results to those previously reported, and indicate what new information is contributed herein. Place figures and tables at the end of the document, after references. Alternately, it is okay to upload figures and tables as separate files but be sure that they appear after the main text file when you upload them.

**4 Conclusion**

State conclusions (do not summarize) briefly.

**Acknowledgments (*optional*)**

List all sources of financial or material support and the names of significant contributors (not authors).

**Author Contributions (*required*)**

List each author’s name and primary contribution(s) to this work. For example, “B. Yu designed the study and interpreted the results. L. Smith collected test data and drafted the manuscript.” Ghost, guest, honorary, or anonymous authorship is not allowed. Contributors who do not qualify for authorship should be mentioned in the acknowledgments.

**Conflicts of Interest (*required*)**

Declare any conflicts of interest, or state that there are none to declare.

**Data Availability (*recommended*)**

Authors are encouraged to share their data by archiving it in an appropriate public repository. If your data is in a repository, provide a link to the dataset here. Visit [re3data.org](http://re3data.org) or [fairsharing.org](file:///C:\Users\akferguson\Desktop\http;\fairsharing.org) to identify registered and certified data repositories relevant to your research.

**Nomenclature (*optional*)**

Not usually needed; can be included if necessary.

**References**

Use [APA style](https://www.apastyle.org). We recommend use of a reference management tool such as [Endnote](https://endnote.com/) to help you format citations and references easily and correctly. List *only* those references cited in the text (be sure references list all text citations), in alphabetical order by the first author’s last name. Single author precedes same author with co-authors. When the authors are identical in multiple references, sequence them by publication date (earliest to latest); if authors and publication year are identical, differentiate them with lowercase letters (2010a, 2010b). Type references flush left as separate paragraphs. Two common examples are below; refer to the journal’s “Author Guidelines” for required format of references, and to recently published *JFS* or *CRFSFS* papers for additional examples.

*Journal articles: (Note: provide the DOI whenever possible)*Bhatt, T., Gooch, M., Dent, B., & Sylvia, G. (2017). Implementing interoperability in the seafood industry: learning from experiences in other sectors. *Journal of Food Science*, *82*(S1), A22–A44. <https://doi.org/10.1111/1750-3841.13742>

Pei, L., Ou, Y., Yu, W., Fan, Y., Huang, Y., Lim, J, . . . Lai, K. (2015). Au-Ag core-shell nanospheres for surface-enhanced Raman scattering detection of Sudan I and Sudan II in chili powder. *Journal of Nanomaterials*, *16*, 215-221. <https://doi.org/10.1155/2015/430925>

Abrams, E. M., & Gerstner, T. V. (2015). Allergy to cooked, but not raw, peas: A case series and review. *Allergy Asthma and Clinical Immunology*. Advance online publication. <https://doi.org/10.1186/s13223-015-0077-x>

*Book:*Wlodkowski, R. J. (2008). *Enhancing adult motivation to learn* (3rd ed). San Francisco, CA: Jossey-Bass John Wiley & Sons.

*Book chapter:*Yore, L. D. (2004). Why do future scientists need to study the language arts? In E. W. Saul (Ed.), *Crossing borders in literacy and science instruction: Perspectives on theory and practice* (pp. 71–94). Newark, DE: International Reading Association.

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Number each table with Arabic numerals and place a descriptive caption at the top. Include *one* table per page. Use plain text with tabs and returns—do not embed tables from other programs. Identify footnotes with lower-case letters appearing as superscripts. Alternately, upload table files (in editable format such as Excel or Word) separately after the main body text file in your submission.

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