

Davis College of Agriculture, Natural Resources & Design
24th Annual Graduate Research & Creative Scholarship Conference
Friday, April 16, 2021

Guidelines for Abstracts

Each student must submit an abstract of no more than 250 words. Include a descriptive title, the names of all authors (presenter's name should be underlined, and main faculty advisor's name should be indicated with an asterisk*), and their division affiliation(s). The abstract should be a concise summary of the information that will be presented in the paper or poster. A good **research** abstract can be prepared by writing two to three sentences on each of the following items: (i) history and importance of the problem or issue you will be discussing; (ii) the main question, hypothesis, or creative innovation; (iii) the approaches or methods that led to results being reported; (iv) the results and their meaning; and (v) a concluding statement on the significance of this work to your discipline. A good **creative scholarship** abstract can be prepared by writing two to three sentences on each of the following items: (i) purpose and importance of the project; (ii) background of the problem; (iii) research/design methods; (iv) findings; and (v) importance of findings. It is expected that the faculty co-author/advisor will review, provide editorial guidance, and approve the abstract prior to submission.

Registration and abstract submission is open until **5:00 pm Monday, March 15th, 2021**.

If you have specific questions of need additional information, please e-mail:
Elizabeth.Owen@mail.wvu.edu.

Example abstract and guidelines for preparation, are provided on the following pages.

Abstract Format

Title:

Author(s):

School / Division Affiliation(s):

Abstract:

Text (Maximum of 250 words):

Investigating omega-3 polyunsaturated fatty acid and/or soy protein isolate supplementation on renal inflammation in a rat model of polycystic kidney disease

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Abstract

Polycystic kidney disease (PKD) is a leading cause of end stage renal failure, resulting in the need for transplantation or long-term dialysis. Inflammation is a common pathology in disease severity. Soy protein isolate (SPI) and omega-3 fatty acids (n-3 PUFA's) have been shown to have anti-inflammatory properties. Therefore, the objective of the study was to examine the effects of SPI and/or n-3 PUFA's on renal inflammation. Female pck rats (age 28 d) were fed diets consisting of casein + corn oil (Casein + CO), casein + soybean oil (Casein + SO), SPI + soybean oil (SPI + SO) or SPI + 1:1 soybean/salmon oil (SPI + SB) for 12-weeks. Kidney fatty acid analysis by gas chromatography showed rats fed Casein + SO and SPI +SB diets had the higher ($P = 0.02$) renal alpha linoleic acid content. The SPI + SB group had the highest ($P < 0.001$) renal docosahexaenoic acid (DHA) content. The Casein + CO group had the lowest ($P < 0.001$) DHA compared to the other diet groups. There were no significant differences in renal eicosapentaenoic acid content among the diet groups. Despite differences in renal n-3 PUFA content, real time quantitative polymerase chain reaction showed no differences in relative genetic expression levels of cyclooxygenase-2, peroxisome proliferator-activated receptor gamma or mammalian target of rapamycin. Histological evaluation also showed no differences in renal interstitial inflammation. Based on the results, SPI and/or n-3 PUFAs did not appear to attenuate PKD severity by reducing inflammation.

Guidelines for preparing effective abstracts

Davis College Graduate Research and Creative Scholarship Day Committee

The purpose of an abstract is to summarize the essential elements of a paper or presentation, often in no more than 250 words. It is meant to help the reader decide whether the full article or presentation warrants their involvement. A typical format includes:

1. Rationale; description of, and background to, an issue or problem, and why your work matters.
2. Hypothesis/es, objective(s), or main question(s).
3. Methods and approach.
4. Key findings.
5. Conclusions and implications or recommendations.

Guidelines for abstract preparation and examples of effective abstracts may be found at:

<https://www.acsmeetings.org/files/meetings/tips-for-writing-abstracts-annual-mtgs.pdf>

Pages 1-07 and 1-08 of <https://dl.sciencesocieties.org/files/publications/style/chapter-01.pdf>

(both from American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America).

<http://hsp.berkeley.edu/sites/default/files/HOW%20TO%20WRITE%20AN%20ABSTRACT.pdf>

(from The Haas Scholars Program at University of California - Berkeley).