Systematic Reviews in Food Science, Nutrition, & Packaging Sciences

Bringing Together Medical and Agricultural Resources to Expand Services and Training

Jenessa McElfresh & Maggie Albro
Clemson University Libraries
OUTLINE

01 The Department
A brief overview of the Food, Nutrition, and Packaging Sciences Department

02 Planning
Our goals and timeline

03 Promotion
How we got the word out and encouraged participation

04 The Actual Workshop
Workshop elements and what set this training apart from others

05 Outcomes
An analysis and anecdotal presentation of how things went

06 Next Steps
Future goals for this department and other interdisciplinary areas
ABOUT THE DEPARTMENT

The Food, Nutrition, and Packaging Sciences Department at Clemson University is home to 38 faculty, 50 graduate students, and 523 undergraduate students.

Systematic reviews have become trendy within the department, and the number of faculty and students involved in the process that reach out to the Libraries has been on the rise.
Clemson Libraries has offered support for systematic reviews since 2017, when Jenessa started the service, primarily focused on health sciences but occasionally meeting with researchers from FS, N, & PS and other departments on campus.

When Maggie came to Clemson in 2019, it offered the opportunity to expand the scope of systematic review support, and with librarian training and shared expertise, the idea was formed to do targeted outreach to this department.
WORKSHOP GOALS

**Introduction to systematic reviews**

Learning Outcome:
Participants will gain an understanding of the systematic review process

**Understanding of the review process for SRs**

Learning Outcome:
Participants will be able to distinguish between review types and understand how SRs are different

**Integrate the Libraries as a resource**

Learning Outcome:
Participants will understand the resources and role of the library in the systematic review process
We noticed an increasing number of questions about systematic reviews coming from one department.

We collaborated to create a workshop curriculum and design a presentation to meet the specific needs of FNPS researchers.

We worked with the department to get the word out to faculty and graduate students who engage with systematic reviews.

We hosted two sessions of the workshop and distributed a recording that would be available for one month.

We reviewed what happened in the workshops and how interactions with members of the department have changed since.
Conversation
Maggie reached out to the chair of the FNPS department to gauge interest in the training.

Scheduling
Maggie worked with the department chair and admin assistant to find common dates/times that would work.

Email Invites
Emails were sent from the FNPS admin assistant to all faculty and graduate students in the department. Maggie sent emails to all faculty in the department as well.

Referrals
Researchers in the department who contacted the Libraries for help with systematic reviews were referred to the training.
**WORKSHOP ELEMENTS**

**Protocols**
Definition of what protocols are and an explanation of different protocol templates.

**SR Resources**
In-depth description of TREAD and how it applies to these reviews.

**Introduction**
Overview of what systematic reviews are and what kinds of questions are appropriate for the review type.

**SR Process**
Detailed summary of the SR process, with information about what is required/expected at each step.

**Other review types**
Discussion of alternative review options when systematic reviews may not be appropriate.

**Q&A and Resources**
Participant question and answer session and distribution of resource handouts.
WHAT SET THIS TRAINING APART?

**Agriculture Focus**
Maggie has attended systematic review training specific to agricultural sciences. This allowed for discipline-specific resources and processes to be included.

**Virtual Only**
Due to COVID-19, the training was only offered virtually, which lead to Jenessa & Maggie adapting the presentation style for the environment.

**Multiple Sessions**
The workshop was offered twice in two consecutive days, giving faculty and graduate students the option of attending the session that best fit their schedule.

**Customized Resource Handout**
Instead of directing only to the SR LibGuide, workshop participants received a handout with resources customized to their department's needs.
WORKSHOP ANALYSIS

Strengths

- Ability to record the presentation for those who were unable to attend live
- Ability to focus on disciplinary standards of FNPS
- Multiple sessions enhanced participation
- Dual presenters allowed for flexibility in presentation
- Presenters are the people who field questions about SR, so presentation could be tailored to common issues

Weaknesses

- Did not receive IRB approval in time, so cannot share assessment results
- Virtual limitations - restricts the ability to do some hands on exercises
- Despite attempts, participation was not universal
- Multi-day setup caused some variation between sessions
- Very content-rich presentation could have overwhelmed participants and reduced questions asked
OUTCOMES

1. Food Science, Nutrition, and Packaging Sciences department faculty and graduate students received SR training.

2. Liaison relationship with department benefits from acknowledgement of methodology expertise.

3. Systematic Review support offered by the Libraries is enhanced and can continue to grow in non-HS areas.
Goal

Campus-Wide SR Support

Libraries
With additional expert, can grow SR support as a library service and cross-train colleagues

Formal Assessment
In order to measure our impact and make sure we are reaching the right audience, we need to implement formal program assessment.

Non-HS Departments
We know SR is increasing in popularity in a variety of departments across campus. We’d like to bring more members onto our team and provide trainings to these various departments and groups.