



PVAMU
FOOD SECURITY RESEARCH CENTER (FSRC)
Scope of Work



Prairie View A&M University	Texas A&M AgriLife:
FSRC PI: Jennifer Quinlan, PhD	Recipient: Zhihong Xu, PhD
Title: Executive Director, Food Security Research Center Email: jjquinlan@pvamu.edu Phone Number: 936-261-5038	Title: Associate Professor Email: Zhihong.xu@ag.tamu.edu Phone Number: 979-321-5742
PVAMU Point of Contact: Jenn Ashley Title: Project Manager II Email: jrashley@pvamu.edu Phone Number: 806-640-3179	TAMU Point of Contact: Susan Wilganowski Title: Contract Negotiation Manager, TAMU SRS Email: swilganowski@tamu.edu Phone Number: 979-458-4974
PV Proposal #: MG26001	SRS Proposal #: M2602227
Account #: 05-VPRS-180835-00000	

Project Title: School-Based Technology-Enhanced Food Literacy Project		
Award Period of Performance:	Start Date: June 1, 2026	End Date: May 31, 2027
Estimated Project Period: June 1, 2026 to May 31, 2027		
Amount Funded: \$34,834		
Incrementally Funded Estimated Total: \$34,834		

Attachment One
Scope of Work

This project will conduct a comprehensive scoping review to map the current landscape of technology- and AI-enabled interventions designed to promote food literacy in K–12 settings. Following the Arksey and O'Malley framework with Levac refinements, JBI guidance, and PRISMA-ScR reporting standards, the project will systematically identify, screen, and synthesize studies examining digital and AI tools—such as apps, wearables, VR/AR, chatbots, and LLM- based platforms—in school-based food-literacy programming. The review will document the types of technologies employed, associated pedagogical and behavior-change approaches, outcome domains and measurement instruments, and key implementation factors including feasibility, acceptability, fidelity, cost, and equity considerations. Activities will include database searches, dual-review title and abstract screening, full-text assessment, structured data extraction with independent double-coding, and descriptive and narrative synthesis supported by visual evidence maps. The resulting knowledge base will clarify research gaps, inform the design of subsequent experimental work, and strengthen competitiveness for external funding opportunities, ultimately supporting Texas educators and contributing to the public good through improved, scalable food-literacy strategies.

Budget Justification

A. Personnel: (Total: \$30,077.95)

- *Zhihong Xu (PI): One month summer salary at 8.33% FTE (\$15,938.95, including fringe).*
- *Tian Chen (Graduate Student): 12 calendar months at 25% FTE (\$14,139, including fringe).*

B. Travel: (Total: \$4306)

Support for two team members to attend the AIAEE 2027 Annual Conference, including registration, airfare, local transportation, lodging, and per diem.

C. Other expenses: (Total: \$500)

Research meetings (\$300) and local transportation (\$200).

E. Total Costs:

Total: \${34,833.95}

Interagency Cooperation Contract

This Interagency Cooperation Contract is between Texas A&M University ("TAMU") and Prairie View A&M University ("PVAMU"), each an agency of the State of Texas.

- 1. Services to be Performed:** With Dr. Xu as PI and Dr. Quinlan as Co-PI, this project will conduct a comprehensive scoping review to map the current landscape of technology- and AI-enabled interventions designed to promote food literacy in K–12 settings. Following the Arksey and O'Malley framework with Levac refinements, JBI guidance, and PRISMA-ScR reporting standards, the project will systematically identify, screen, and synthesize studies examining digital and AI tools—such as apps, wearables, VR/AR, chatbots, and LLM- based platforms—in school-based food-literacy programming. The resulting knowledge base will clarify research gaps, inform the design of subsequent experimental work, and strengthen competitiveness for external funding opportunities, ultimately supporting Texas educators and contributing to the public good through improved, scalable food-literacy strategies.
- 2. Basis for Calculating Reimbursable Costs:** The Lead Institution agrees to provide a fixed price funding of Thirty-Four Thousand Eight Hundred Thirty-Four Dollars (\$34,834) to the Recipient Institution for the performance period.
- 3. Contract Amount:** The total amount of this Contract may not exceed \$34,834.
- 4. Payment for Services:**
 - a. PVAMU shall pay for services received from appropriation items or accounts of PVAMU from which like expenditures would normally be paid, based upon special vouchers drawn by PVAMU, or through electronic transactions payable to TAMU.
 - b. TAMU shall bill PVAMU lump sum for services performed.
 - c. TAMU shall credit payments received under this Contract to its current appropriation items(s) or account(s) from which the expenditures of that character were originally made.
- 5. Term:** This Contract begins upon execution and terminates on one year from start date.
- 6. Certifications:**
 - a. Each party certifies that:
 - (1) The services specified above are necessary and authorized for activities that are properly within the statutory functions and programs of the parties; and
 - (2) The services, materials, or equipment contracted for are not required by Section 21 of Article XVI of the Constitution of Texas to be supplied under contract given to the lowest responsible bidder.

The parties bind themselves to the faithful performance of this Contract.

Texas A&M University

By: Zhihong Xu

Name: Zhihong Xu

Prairie View A&M University

By: Robert Hall

Name: Robert Hall