

A Topic that Needs Discussion: Integrating Artificial Intelligence into Agricultural Leadership, Education, and Communications Scholarship



TEXAS A&M UNIVERSITY
Agricultural Leadership,
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AGRICULTURAL, LEADERSHIP,
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VIRGINIA TECH

Introduction

- Artificial Intelligence (AI) has been described as a more robust and accurate tool to generate solutions in less time and with fewer resources (Bannerjee et al., 2018).
- A constant criticism of using AI is the inability to differentiate between an artifact written by a chatbot or a human being (Else, 2023).
- Advocate for the integration of AI as a tool with the potential to improve educational processes and prepare more competitive professionals (Golan et al., 2023).
- This innovative poster aims to demonstrate the potential use of AI in agricultural leadership, education, and communications (ALEC) scholarship.

Costs/ Resources Needed

- InfraNodus requires a monthly membership fee of nine euros (US \$9.81), which includes access to 45 AI applications.
- Free AI tools could serve for initial integration into ALEC programs.

Future Plans/Advice

- Should be used as a tool to assist researchers and not to replace expertise, personality, or judgment (Salvagno et al., 2023).
- Integrating AI into the classroom and developing a preventative strategy for use on coursework
- ALEC scholars should explore InfraNodus and consider using the various applications to explore gaps in literature and visualize data

Results

- Investigated agricultural innovation priorities for a developing country, comparing the results of a qualitative methodology (Delphi study) and the effects of AI analysis.
- Analyze qualitative data and visualize quantitative and qualitative data
- Search for gaps in the literature.
- Audio and visual transcription.

How it Works

- InfraNodus (2011–2023) is considered a text network visualization tool powered by AI to accomplish the following: get an overview of any text, discover the gaps of ideas, and generate insight.
 - Supports multiple languages, fully sharable, protects data
- **Literature Review**
 - *Google keywords, Explore a Topic, Innovative Trends*
- **Collecting, Analyzing, and Visualizing Data**
 - *Contextual Supply, Qualitative Analysis, Create a Mind map*
- *The platform provides infinite opportunities for research and a unique opportunity to enhance the research writing process for ALEC scholars (InfraNodus, 2011–2023).*

Figure 1. An AI assisted literature review on Organic Foods

