

Gabriel Spandau

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Education

Doctor of Philosophy in Agricultural Education and Communication 2024

University of Florida Specialization: Communication
Dissertation: Exploring Florida Medical Cannabis Contamination and Consistency

Leadership in Agriculture and Natural Resources

Graduate Certificate

Master of Medical Cannabis Sciences and Therapeutics 2021

University of Maryland

Bachelor of Agricultural Education and Communication 2018

University of Florida, Cum Laude
Specialization: Communication and Leadership

Professional Experience

Graduate Assistant January 2022 - Present

UF/IFAS Department of Agricultural Education and Communication

Research Assistant May 2021 - Present

UF Department of Epidemiology with the Consortium for Medical Marijuana Clinical Outcomes Research

Teaching Experience

Graduate TA

UF/IFAS Department of Agricultural Education and Communication:

<i>AEC 3209 Instructional and Event Planning in Agricultural and Life Sciences</i>	Spring 2022
<i>AEC 5032 ANR Media Writing</i>	Fall 2022
<i>AEC 5037 Podcasting to Increase Science Literacy</i>	Spring 2023
<i>AEC 4035 Communication Practices in Agricultural and Life Sciences</i>	Fall 2023
<i>AEC 5541 Communication and Instructional Technologies in Agricultural and Life Sciences</i>	Fall 2023
<i>AEC4035 Communication Practices in Agricultural and Life Sciences- Full instructor</i>	Spring 2024

Scholarly Works

Peer Reviewed Publications

Spandau, G., Loizzo, J., Jury, H., Bunch, J. C., Stedman, N., Pearson, B., & Goodin, A. J. (2024). Patients' perceptions of cannabis contamination in Florida's medical program. *Medical Cannabis and Cannabinoids*, 1–33.

<https://doi.org/10.1159/000542929>

Loizzo, J., Barnett, C., Krebs, C. & **Spandau, G.** (2022). Streaming Science #3: Using scientist online electronic field trips for engagement with your target audience. *UF/IFAS Electronic Data Information Source (EDIS)*.

<https://edis.ifas.ufl.edu/publication/wc424>

Loizzo, J., **Spandau, G.**, Barnett, C., Akers, A., Bolger, A., Meyers, C. (2023) Streaming Science #5: Using Virtual Reality Tours for Engagement with your Target Audience. *UF/IFAS Electronic Data Information Source (EDIS)*.

<https://edis.ifas.ufl.edu/publication/WC440>

Fechtel, H., Sajdeya, R., Wang, Y., **Spandau, G.**, Goodin, A., Winterstein, A., & Cook, R. (2022). Medical Marijuana & Me (M3): Designing measures of medical marijuana dose in an observational study. Abstracts from the 2022 Scientific Meeting of the Research Society on Marijuana, July 22nd-24th, 2022. <https://doi.org/10.26828/cannabis.2022.02.000.25>

Sajdeya, R., Fechtel, H. J., **Spandau, G.**, Goodin, A. J., Brown, J. D., Jugl, S., Smolinski, N. E., Winterstein, A. G., Cook, R. L., Wang, Y. (2023). Protocol of a combined cohort and cross-sectional study of persons receiving medical cannabis in Florida, USA: The medical marijuana and me (M3) study. *Medical Cannabis and Cannabinoids*, 6(1), 46–57. <https://doi.org/10.1159/000530052>

Loizzo, J., Hundemer, S., **Spandau, G.**, Smidt, S., Akers, A., Bhadha, J., Her, Y. (2024). An exploration of early career agricultural and natural resource scientists' perceptions of social responsibility. *International Journal of Science Education, Part B*, 1-18. <https://doi.org/10.1080/21548455.2024.2335673>

Cook, R., Fechtel, H. J., Sajdeya, R., **Spandau, G.**, & Wang, Y. (2024). Factors associated with risk for cannabis use disorder among adults using medical marijuana in Florida. *Drug and Alcohol Dependence*, 260, 110127. <https://doi.org/10.1016/j.drugalcdep.2023.110127>

Submitted papers

Invited Presentations

Introduction to Virtual Reality

- Guest presentation in AEC 5034 Digital Media Production in Agriculture and Natural Resources

Cannabis Intercultural Communication

- Guest presentation in AEC 3030 Effective Oral Communication

Conference Oral Presentations

Cook R.L., Fechtel H., Sajdeya R., **Spandau G.**, Wang, Y. Factors associated with risk for cannabis use disorder among adults receiving medical marijuana in Florida. [College on Problems of Drug Dependence (CPDD) 84th Annual Meeting. June 2023.]

Loizzo, J., **Spandau, G.**, & Barnett, C. (2023). Wading into the Virtual Reality Waters: Three Options for Online VR Creation [How to Session]. Association for Communication Excellence (ACE) in Agriculture, Natural Resources, and Life and Human Sciences, Asheville, NC.

Cook, R., Lopez-Quintero, C., **Spandau, G.**, Robinson, K. (2023). Medical cannabis patient characteristics and product use patterns from a statewide survey in Florida: Similarities and differences across health conditions. Research Society on Marijuana (RSMj), Long Beach, CA. (Wang, Y.) Abstract.

Spandau, G., Loizzo, J., Meyers, C. (2024) An Introduction to The iVisit Project: Preliminary Lessons Learned and Shared Best Practices for Development and Implementation of Interactive Virtual Reality Tours [Professional Development Session] National Agricultural Communications Symposium (NACS), Atlanta, GA

Spandau, G., Hundemer, S., Loizzo, J., Smidt, S., Akers, A., Bhadha, J., & Her, Y. G. (2024). An Exploration of Early Career Agricultural and Natural Resource Scientists' Perceptions of Social Responsibility. National

Spandau, G., Loizzo, J., Jury, H., Pearson, B., Bunch, C, J., Stedman, N., Goodin, A. (2024). Exploring Patients' Perceptions of Medical Cannabis Contamination: Insights into Florida's Medical Cannabis Program Through Social Media Analysis. International Conference on Agriculture and Tourism - (ICAT-24), Bangkok, Thailand.

Agricultural Communication Symposium (NACS) at the Southern Association of Agricultural Scientists (SAAS) meeting. [Paper Presentation.] Atlanta, GA.

Conference Poster Presentations

Sajdeya R., Wang Y., Fechtel H.J., **Spandau G.**, Jugl S., Smolinski N.E., Goodin A.J., Brown J.D., Winterstein A.G., Cook R.L. Medical Marijuana & Me (M3): A New Combined Cohort/ Cross-sectional Study of Medical Marijuana Users in Florida. Cannabis Clinical Outcomes Research Conference (CCORC). May 2022.

Fecht H., Sajdeya R., Wang Y., **Spandau G.**, Goodin A.J., Winterstein A.G., Cook R.L. Medical Marijuana & Me (M3): Designing Measures of Medical Marijuana Dose in an Observational Study. Research Society on Marijuana (RSMj). June 2022.

Spandau, G., Loizzo, J., Fechtel, H., Pearson, B., Bunch, C, J., Stedman, N. (2023). Medical cannabis contaminants concerns: A qualitative content analysis of Reddit posts [Poster presentation]. Cannabis Clinical Outcomes Research Conference (CCORC), Orlando, FL.

Spandau, G., Loizzo, J., Fechtel, H., Pearson, B., Bunch, C, J., Stedman, N. (2023). Communicating health concerns on Reddit: A content analysis of patients' medicinal cannabis contamination experiences [Poster presentation]. Association for Communication Excellence (ACE) in Agriculture, Natural Resources, and Life and Human Sciences, Asheville, NC. - **Winner of Outstanding Research Poster**

Spandau, G., Hundemer, S., Loizzo, J., Smidt, S., Akers, A., Bhadha, J., Her, Y. What Does It Mean to Be a Socially Responsible Water Scientist? [Poster Presentation]. University of Florida Water Institute Symposium. February 2024, Gainesville, FL. **Winner of Student Poster Award**

Spandau, G., Hundemer, S., Loizzo, J., Smidt, S., Akers, A., Bhadha, J., Her, Y. Social Responsibility in Action: How Film Can Influence Behavior. University of Florida Graduate Student Research Day. April 2024, Gainesville, FL.

Spandau, G., Loizzo, J., Pearson, B., Bunch, C, J., Stedman, N. (2024). Beyond the Bud: A Survey Study on Contamination Awareness, Experiences, and Perceptions Among Medical Cannabis Patients [Poster presentation]. Cannabis Clinical Outcomes Research Conference (CCORC), Orlando, FL.

Conferences Attended

CCORC | Orlando, FL – 2022, 2023, 2024

Hosted by: Consortium for Medical Marijuana Clinical Outcomes Research

ACE | Asheville, TN – 2023

Hosted by: Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences

RSMj | Long Beach, CA – 2023

Hosted by: The Research Society on Marijuana

NACS | Atlanta, GA – 2024

Hosted by: The National Agricultural Communications Symposium

UFWIS | Gainesville, FL – 2024

Hosted by: University of Florida Water Institute Symposium

ICAT | Bangkok, Thailand – 2024

Hosted by: Research Fora

Professional Service

Agroshield Fertilizer company

- Marketing Consulting

University Service

Service to University

President, University of Florida Agricultural Education and Communication Graduate Student Association (AECGSA) 2023-2024

Service to Department

AEC Gator Day Presentations- AECGSA Presentation Fall/Spring 2023-2024

AEC New Graduate Student Orientation- AECGSA Presentation Fall/Spring 2023-2024

Grant Work

Loizzo, J. & Telg, R. (2021). iVisiT: Interactive virtual tours for advancing food and agricultural sciences. United States Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA) Higher Education Challenge (HEC). \$250,000 sub-award from Texas Tech University.

- I worked as a graduate assistant on this project creating tours of agricultural educational areas using virtual reality cameras and software. The creation of the tour includes scanning the locations, shooting interview style videos of the scientists and experts who work at the location being scanned, and creating and inserting text content throughout the tour. An example of a tour I have created can be found here: <https://my.matterport.com/show/?m=P2SRamx68Zx>

Smidt, S., Loizzo, J., Bhadir, J., & Her, Y. (2022). Social Responsibility in Water Science for the Greater Global Good. Consortium of Universities for the Advancement of Hydraulic Science, Inc. (CUAHSI). \$7,046.

- I worked as a graduate assistant on this project, aiding in the creation of a mini-documentary style film, survey development, and assisted in the planning and implementation of a watch party for the mini-documentary. The purpose of the watch party was to obtain survey results from watch party attendees. The project produced a research paper, and a poster and oral presentation at two separate conferences.

Awards

Outstanding Research Poster- ACE 2023,

- Communicating health concerns on Reddit: A content analysis of patients' medicinal cannabis contamination experiences

Runner up for best poster at CCORC 2022,

- Medical cannabis contaminants concerns: A qualitative content analysis of Reddit posts

UF Water Institute Symposium Scholarship 2024

UF Water Institute Symposium Student Poster Award 2024