

Curriculum Vitae

Valerie Zaffran

General Information

University address: Department of Nutrition, Food and Exercise Sciences
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Professional Preparation

2016–Present **Ph.D.**, Nutrition and Food Sciences, Department of Nutrition, Food and Exercise Sciences, Florida State University, Tallahassee, FL, USA. GPA: 3.977/4.000

2014–2016 **M.S.**, Nutrition and Food Sciences, Department of Nutrition, Food and Exercise Sciences, Florida State University, Tallahassee, FL, USA. GPA: 3.973/4.000

2010–2014 **B.S. (Magna Cum Laude)**, Food and Nutrition; Chemical Science, College of Human Sciences, Florida State University, Tallahassee, FL, USA. GPA: 3.799/4.000

Research Experience

2014–Present Graduate Research Assistant, Department of Nutrition, Food and Exercise Sciences, Florida State University, Tallahassee, FL, USA
Research:

- Isolation and characterization of amandin in processed almonds
- Protein immunochemistry
- Protein purification

2013–2014 Undergraduate Research Assistant, Department of Chemistry and Biochemistry, Florida State University, Tallahassee, FL, USA
Research:

- Method development to detect and quantify amino acid and neurotransmitter secretion from the Islets of Langerhans

Teaching Experience

- 2016-Present Graduate Teaching Assistant, Department of Nutrition, Food and Exercise Sciences, Florida State University, Tallahassee, FL, USA
- Teaching:
- FOS3026 Foods Lecture (Fall 2016, Spring 2017)
 - HUN6930 Seminar in Food and Nutrition Sciences (Spring 2016)
 - FOS4114C Food Science Lab (Fall 2014)

Leadership Experience

- 2016-2017 President of College of Human Sciences Graduate Student Advisory Council (GSAC), Florida State University, Tallahassee, FL, USA
- 2013-2014 Materials Director of Life Enrichment and Discovery Neighborhood Outreach Program, Florida State University, Tallahassee, FL, USA

Awards and Honors

- Florida State University College of Human Sciences Dean's Scholar 2016
- Florida State University Wilson Sitton Scholarship 2016
- Florida State University Betty M. Watts Memorial Fund for Food Science 2016
- Institute of Food Technologists Quality Assurance Division Graduate Student Paper Competition First Place 2015
- Florida State University Betty M. Watts Memorial Fund for Food Science 2015
- Florida State University College of Human Sciences Research & Creativity Day Oral Presentation Third Place 2015
- Florida State University Graduate Student Grant 2014

Professional Affiliations

- International Association for Food Protection (since 2015)
- American Chemical Society (since 2014)
- American Oil Chemists' Society (since 2014)
- Institute of Food and Technologists (since 2014)
- Phi Eta Sigma Honor Society (since 2010)

Professional Conferences and Workshops

- 2016 IFT Annual Meeting in Chicago, IL, USA (Poster presentation)
- 2016 American Oil Chemists Society Annual Meeting in Salt Lake City, UT, USA
- 2015 International Chemical Congress of Pacific Basin Societies (Pacifichem) Meeting in Honolulu, HI, USA
- 2015 Immune Epitope Database User Workshop at National Institute of Allergy and Infectious Disease, Rockville, MD, USA
- 2015 IAFP Annual Meeting in Portland, OR, USA (Poster presentation)

- 2015 IFT Annual Meeting in Chicago, IL, USA (Poster presentation and competition)

Publications

1. Sathe, S.K.; Liu, C.; **Zaffran, V.D.** 2016. Food Allergy. *Annu Rev Food Sci Technol.* 7: 191-220 (Top publication in field of food science, IF:6.950).

Presentations

1. **Zaffran, V.D.**; Liu C.; Sathe S.K. 2016. Immunoreactivity of Cryoprecipitated Amandin from Thermally Processed Whole Almond Seeds. Poster presentation in Institute of Food Technologists 2016 Annual Meeting: Chicago, IL, USA.
2. **Zaffran, V.D.**; Liu, C.; Gupta, S.; Sathe, S.K. 2016. Immunoreactivity of select Rosaceae seeds. Oral presentation *in symposium* at American Oil Chemist Society Annual Meeting in Salt Lake City, UT, USA.
3. Sathe, S.K.; Liu, C.; **Zaffran, V.D.** 2016. Effects of Food Processing on Tree Nut Allergen Immunoreactivity. Oral presentation *in symposium* at American Oil Chemist Society Annual Meeting in Salt Lake City, UT, USA.
4. Liu, C.; **Zaffran, V.D.**; Gupta, S.; Sathe, S.K. 2016. Tree Nut Detection and Quantification using Monoclonal Antibody (mAb)-based Enzyme-linked Immunosorbent Assays (ELISA). Oral presentation *in symposium* at American Oil Chemist Society Annual Meeting in Salt Lake City, UT, USA.
5. Gupta, S.; **Zaffran, V.D.**; Liu, C.; Sathe, S.K. 2016. Physical Properties and Electrophoretic Characterization of Select Rosaceae Seeds. Poster presentation in American Oil Chemist Society Annual Meeting in Salt Lake City, UT, USA.
6. **Zaffran, V.D.**; Liu, C.; Gupta, S.; Sathe, S.K. 2015. Pecan (*Carya illinoensis*) Detection Using a Monoclonal Antibody-Based Direct Sandwich Enzyme-Linked Immunosorbent Assay. Oral presentation *in symposium* at International Chemical Congress of Pacific Basin Societies (Pacifichem) 2015 Meeting: Honolulu, HI, USA.
7. Sathe, S.K.; Chhabra, G.S.; Liu C; **Zaffran V.D.** 2015. Effects of processing and food matrix on almond (*Prunus dulcis*) detection using murine monoclonal antibody-based sandwich enzyme-linked immunosorbent assay. Oral presentation *in symposium* at International Chemical Congress of Pacific Basin Societies (Pacifichem) 2015 Meeting: Honolulu, HI, USA.
8. Gupta, S.; Liu, C; **Zaffran, V.D.**; Zhao, Q; Sathe S.K.S. 2015. Hazelnut (*Corylus avellana*) detection using a monoclonal antibody-based direct sandwich enzyme-linked immunosorbent assay. Oral presentation *in symposium* at International Chemical Congress of Pacific Basin Societies (Pacifichem) 2015 Meeting: Honolulu, HI, USA.

9. **Zaffran, V.D.**; Liu, C.; Sathe, S.K. 2015. Assessment of a monoclonal antibody-based direct sandwich enzyme-linked immunosorbent assay for cashew (*Anacardium occidentale*) detection in food matrices. Poster presentation in International Association for Food Protection 2015 Annual Meeting: Portland, OR, USA.
10. Liu, C.; **Zaffran, V.D.**; Sathe, S.K. 2015. Sensitivity, specificity, and robustness of a monoclonal antibody-based direct sandwich enzyme-linked immunosorbent assay for cashew detection. Poster presentation in International Association for Food Protection 2015 Annual Meeting: Portland, OR, USA.
11. **Zaffran, V.D.**; Liu, C.; Alteneiji, F.; Sathe, S.K. 2015. Assessment of a monoclonal antibody-based direct sandwich enzyme-linked immunosorbent assay for peanut (*Arachis hypogaea*) detection in food matrices. Poster presentation and competition in Institute of Food Technologists 2015 Annual Meeting: Chicago, IL, USA. **Poster competition first place** (Quality Assurance Division).
12. Liu, C.; Alteneiji, F.; **Zaffran, V.D.**; Sathe, S.K. 2015. Effects of thermal processing on peanut detection using a monoclonal antibody-based enzyme-linked immunosorbent assay. Poster presentation and competition in Institute of Food Technologists 2015 Annual Meeting: Chicago, IL, USA. **Poster competition second place** (Toxicology Division).

Services

- North Florida Fair Bakery Judge, Florida, 2014 and 2015
- Florida State University Life Enrichment and Discovery Neighborhood Outreach Program, January 2013-2014

References

Shridhar K. Sathe, Professor, Florida State University; e-mail: ssathe@fsu.edu; Phone: (850) 644-5837

Michael Roper, Professor, Florida State University; e-mail: roper@chem.fsu.edu; Phone: (850) 644-1846

Daniel Collins, Lecturer, Texas A&M University; e-mail: daniel.p.collins@tamu.edu; Phone: (979) 845-3472