

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kinsel, Mary Elizabeth		POSITION TITLE Director, SIU Mass Spectrometry Facility	
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Texas A&M University	B.S.	1991	Chemistry
Texas A&M University	Ph.D.	1996	Analytical Chemistry
University of Texas at Dallas		1996-1998	Inorganic/Materials Chemistry

A. Personal Statement

Twenty-four years of hands-on experience in analytical chemistry make me particularly well suited to collaborate in the proposed research. I am well versed on all aspects of method validation and can assure that the data produced will be held to the highest standards.

B. Positions and HonorsPositions and Employment:

1991 - 1996	Graduate Research Assistant, Texas A&M University, College Station, TX
1996 - 1998	Post Doctoral Research Fellow, The University of Texas at Dallas
1998 - 2001	Product Specialist, Leco Corporation, St. Joseph, MI
2001 - 2003	Senior Scientist, Cumbre Pharmaceuticals, Inc., Dallas, TX
2003 - 2005	Visiting Professor, Texas Wesleyan University
2005 - 2018	Chemistry Lecturer, Southern Illinois University Carbondale
2005 - Present	Director, Mass Spectrometry Facility, Southern Illinois University Carbondale
2018 - Present	Associate Professor of Practice, Southern Illinois University Carbondale

Other Experience and Professional Memberships:

1991 - Present	Member, The American Society for Mass Spectrometry
1991 - Present	Member, The American Chemical Society
2005 - Present	Member & Faculty Co-Advisor, Alpha Chi Sigma, Beta Psi Chapter
2019 - Present	Member, Sigma Xi, Southern Illinois University Carbondale Chapter

Honors:

2008 - 2010	Ronald T. Pflaum Award for Outstanding Chapter Advisor, Alpha Chi Sigma Professional Chemistry Fraternity
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C. Selected Peer-Reviewed Publications (in chronological order)

1. Rajasekaran, P. R.; Wolff, J.; Zhou, C.; **Kinsel, M.**; Trautmann, C.; Aouadi, S.; Kohli, P. "Two dimensional anisotropic etching in tracked glass" *J. Mater. Chem.* **2009**, *19*, 8142 - 8149.

2. Altemimi, A.; Watson, D.G.; **Kinsel, M.**; Lightfoot, D.A. 'Simultaneous extraction, optimization and analysis of flavonoids and polyphenols from peach and pumpkin extracts using a TLC-densitometric method' *Chemistry Central Journal* **2015**, *9*:39 (doi:10.1186/s13065-015-0113-4).

3. Altemimi, A.; Lightfoot, D.A.; **Kinsel, M.**; Watson, D.G.” Employing Response Surface Methodology for the Optimization of Ultrasound Assisted Extraction of Lutein and β -Carotene from Spinach” *molecules* **2015** 20(4), 6611-6625.
4. Trandel, M.A.; Vigardt, A.; Walters, S.A.; Lefticariu, M.; **Kinsel, M.** ‘Nitrogen Isotope Composition, Nitrogen Amount, and Fruit Yield of Tomato Plants Affected by Soil-Fertilizer Types’ *ACS Omega* **2018** 3, 6419-6426.
5. Glodde, F.; Gunal, M.; **Kinsel, M.E.**; AbuGhazaleh, A. ‘Effects of natural antioxidants on the stability of omega-3 fatty acids in dog food’ *J. Vet. Res.* **2018** 62, 103-108.
6. Chen, S.; Qamar, A.; Asfifeyzabadi, N.; Funneman, M.; Taki, M.; Elliott, L.; **Kinsel, M.**; Kinsel, G.; Shamsi, M. ‘Hand-fabricated CNT/AgNPs Electrodes using Wax-on-Plastic Platforms for Electroimmunosensing Application’ *Scientific Reports (Nature Publications)* **2019** 9(1), 1-9.

D. Research Support