

Curriculum Vitae

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Education

1979-1984 B.S., Autonomous University of the State of Morelos. Cuernavaca, Mexico.
1996-1998 M.S., Major Biology, Minor Molecular Biology, New Mexico State University.
Las Cruces, NM. USA.
1998-2002 Ph.D., Molecular Biology, New Mexico State University. Las Cruces, NM. USA.

Positions and Employment

2015- 2018 Research Assistant Professor. New Mexico State University. Department of Plant and Environmental Sciences. Las Cruces, NM. USA.
2012- 2018 Director/Instructor of the CAMP-Medicinal Plants Workshop. New Mexico State University. Las Cruces, NM, USA.
2008-2015 Plant Specialist II New Mexico State University. Department of Plant and Environmental Sciences. Las Cruces, NM. USA.
2007-2008 Plant Genetics Specialist/Laboratory Manager: New Mexico State University, Department of Chemistry and Biochemistry. Las Cruces, NM. USA.
2005- 2007 Plant Genetics Specialist. New Mexico State University. Department of Entomology, Plant Pathology and Weed Sciences. Las Cruces, NM. USA.
2004-2005 Post-Doctoral Researcher/Laboratory Manager: New Mexico State University. Department of Entomology, Plant Pathology and Weed Sciences. Las Cruces, NM. USA.
2003-2004 Post-Doctoral Researcher, New Mexico State University. Department of Agronomy and Horticulture. Las Cruces, NM. USA.
1998-2002 Research Assistant, Molecular Biology Program. New Mexico State University. Las Cruces, NM. USA.
1997-1998 Curator, NMSU Botanical Collection, New Mexico State University, Department of Biology. Las Cruces, NM. USA.
1996-1997 Graduate Assistant, New Mexico State University. Department of Agronomy and Horticulture, Las Cruces, NM. USA.
1990-1995 Academic Technician, Biotechnology Institute, National University of Mexico. Cuernavaca, Mexico.
1984-1989 Academic Technician, Center for Nitrogen Fixation Research. National University of Mexico. Cuernavaca, Mexico.
1980-1982 Analyst Technician, Secretary of Fisheries. Cuernavaca, Mexico.

Teaching Experience

2018 Hort 500 M03: Special Topics; FSTE 492 M06 Special Problems: Chemistry of Natural Products.

- 2013 Human Biology M01G /M02G Biology Department, NMSU.
- 2012 GENE 488 GENE Regulation Course, NMSU.
- 2010-present Instructor of the Medicinal Plants of the Southwest Workshop.
- 1998-1999 Teaching Assistant for the Genetics 305 course, NMSU.
- 1998 Teaching Assistant for the Biology 111 laboratory, NMSU.
- 1980-1982 Aquaculture instructor. Training farmers for mass production of “tilapia” fish for improvement of diet quality and as a living resource. Cuernavaca, Mexico.

University Service Activities

- 2012 Faculty mentor Engaging Latino Communities for Education (ENLACE) Program, NMSU.
- 2013 Faculty mentor Research Initiative for Scientific Enhancement (RISE) Program, NMSU.
- 2013-2018 Faculty mentor College Assistance Migrant Program (CAMP), NMSU.
- 2017 Host Faculty from Tecnológico de Durango, Bilingual Food Safety Certificate. November 21-22, 2017.
- 2017 Member, Graduate Faculty.
- 2018 Interim Program Coordinator Indian Resources development (IRD). Agricultural, Consumer & Environmental Sciences (ACES) College. Las Cruces, NM. USA.
- 2018 Mentored graduate students from the Industrial Engineering and the Family and Consumer Sciences Departments

Review Work for Scientific Journals

- 2016 Plant Cell Reports.

Other Experience

- 2005-2006 Consulting DuPont Electron Microscopy in Fern Samples for identification of plant viral infection San Jose Costa Rica.
- 2012 Volunteer Judge at the Annual Biomedical research Conference for Minority Students (ABRCMS) November 7-10 San Jose Ca, USA.
- 2012-2013 Participated in more than 10 hours of professional development. NMSU Teaching Academy.
- 2016 Volunteer Judge at the Annual Biomedical research Conference for Minority Students (ABRCMS) November 9-12 in Tampa FL, USA.

Specialized Courses

- 2016 Audit the HORT 450 Medicinal Herbs at NMSU with Dr. O’Connell.
- 2006 Audit the EPWS 505 Plant Virology Course at NMSU with Dr. Rebecca Creamer.
- 2006 Audit the Biology 591 Principles of Confocal Microscopy Course at NMSU with Dr. Elba Serrano.
- 1997 Plant Biochemistry Summer Course. Institute of Biological Chemistry, Washington State University.

Other Activities

- 2018 Grant writing: Why are the “Superhot Peppers that Hot? NM Chile Association.

- 2018 Grant writing: Certificado en Inocuidad Alimentaria y Control de Calidad proposal in collaboration with faculty from the Extension Family and Consumer Sciences, Family and Consumer Sciences Departments and Graduate School.
- 2018 Participated in writing the New Degree Form for the Certificado en Inocuidad Alimentaria y Control de Calidad.
- 2018 Developed the Functional Foods and Nutraceuticals online course in the OCIP Course development Institute (CDI) Spring 2018 Jan - May 2018.

Workshops

- 2016 Teachers as Speakers: A refresher on Public Speaking. NMSU Teaching Academy.
- 2016 How Learning Works- Book Discussion Book. NMSU Teaching Academy.
- 2016 Active learning what is it, how do you implement it, and why. NMSU Teaching Academy.
- 2017 How Learning Works-Introductory Workshop. NMSU Teaching Academy.
- 2017 NMSU Summer Proteomic Workshop
- 2018 Applying the Quality Matters Rubric Workshop (APPQMR). NMSU Teaching Academy.
- 2018 Introduction To Canvas. NMSU Teaching Academy.
- 2018 Course Mapping. NMSU Teaching Academy.
- 2018 Online Syllabus and Creating Accessible Content. NMSU Teaching Academy.
- 2018 Designing Homepages, Getting Started and Modules. NMSU Teaching Academy.
- 2018 Interactions and Rubrics. NMSU Teaching Academy.
- 2018 Screencasting and Accessible Video. NMSU Teaching Academy.
- 2018 Introduction to Quality Matters and the Quality Matters Rubric. NMSU Teaching Academy.

Certifications

- 2018 Better Process Control for Acidified Foods Certification Training Course. May 16-17. NMSU, Las Cruces, NM.
- 2018 FSPCA Preventive Controls for Human Food February 7-9. NMSU. Las Cruces, NM.
- 2018 Produce Safety Alliance (PSA) Integrated Grower and Train-the Trainer (TTT) Course. NMSU, March 20-21. Las Cruces, NM.

Invited Presentations

- 2017 XLII Semana de Quimica internacional: Universidad Autonoma de Chihuahua October 12-13.
- 2017 1st Symposium for Research and Outreach Partnership-Chihuahua-Desert Region. Universidad Autonoma de Chihuahua, New Mexico State University, September 1st.
- 2018 Building the STEM Pipeline for Research with Medicinal Plants Workshop for Undergrads. RISE STARTUP Workshop: Human Health NMSU.

Publications

Richins RD, Rodriguez-Uribe L, Lowe K, Ferral R, O'Connell MA (2018). Accumulation of bioactive metabolites in cultivated medical *Cannabis*. PLoS ONE 13(7): e0201119. <https://doi.org/10.1371/journal.pone.0201119>.

Kilcrease J, Rodriguez-Uribe L, Richins RD, Garcia Arcos JM, Victorino J, O'Connell MA (2015). Correlations of carotenoid content and transcript abundances for fibrillin and carotenogenic enzymes in *Capsicum annuum* fruit pericarp. Plant Science 232: 57-66.

Rodriguez-Uribe L, Abdelraheem A, Tiwari R, Sengupta-Gopalan C, Hugs SE, Zhang J (2014). Identification of drought-responsive genes in a drought tolerant cotton (*Gossypium hirsutum* L.) cultivar under reduced irrigation field conditions and development of candidate markers for drought tolerance. Mol Breeding. doi: 10.1007/s11032-014-0138-8.

Rodriguez-Uribe L, Hernandez L, Kilcrease JP, Walker S, O'Connell MA (2014). Capsaicinoid and Carotenoid Composition and Genetic Diversity of KAS I and CCS in New Mexican *Capsicum annuum* L. Landraces. Hort Science 49: 1370-1375.

Richins RD, Kilcrease J, Rodriguez-Uribe L, O'Connell MA (2014). Carotenoid extraction and quantification from *Capsicum annuum*. Bio-Protocol 4 (19): e1256.

Rodriguez-Uribe L, Guzman I, Rajapakse W, Richins RD and O'Connell MA (2011). Carotenoid accumulation in orange pigmented *Capsicum annuum* fruit, regulated at multiple levels. Journal of Experimental Botany. doi:10.1093/jxb/err302.

Rodriguez-Uribe L, Higbie S, Stewart EH, Wilkins T, Lindemann W, Sengupta-Gopalan C, Hughs SE, Zhang J (2011). Identification of salt responsive genes using comparative microarray analysis in Upland cotton (*Gossypium hirsutum* L.). Plant Science 180: 461-469.

Curtiss J, Rodriguez-Uribe L, J McD Stewart, Zhang J (2011). Identification of differentially expressed genes associated with semigamy in Pima cotton (*Gossypium barbadense* L.) through comparative microarray analysis. BMC Plant Biology 11: 49. doi:10.1186/1471-2229-11-49

Mingxiong P, Xing C, Adams N, Rodriguez-Uribe L, Hughs SE, Hanson SF, Zhang J (2011) Comparative expression of miRNA genes and miRNA-based AFLP marker analysis in cultivated tetraploid cottons. Journal of Plant Physiology 168: 824-830.

Rodriguez-Uribe L, Zhang J, Hughs SE (2011). Gene Expression of Cotton (*Gossypium hirsutum* L.) in Response to Water Deficit Stress under review.

Micheletto S, Rodriguez-Uribe L, Hernandez R, Richins RD, Curry J, O'Connell MA. (2007). Comparative transcript profiling in roots of *Phaseolus acutifolius* and *P. vulgaris* under water deficit stress. Plant Science 173: 510-520.

Rodriguez-Uribe L, O'Connell MA (2006). A root-specific transcription factor is responsive to water deficit stress in tepary bean (*Phaseolus acutifolius*) and common bean (*P. vulgaris*). Journal of Experimental Botany 57: 1391-1398.

Folch JL, Antaramian A, Rodríguez L, Bravo A, Brunner A, González A (1989) Isolation and characterization of a *Saccharomyces cerevisiae* mutant with impaired glutamate synthase activity. *Journal of General Microbiology* 171: 6776-6781.

González A, Rodríguez L, Folch JL, Soberón M, Olivera H (1987) Coordinated regulation of ammonium assimilation and carbon catabolism by glyoxalate in *Saccharomyces cerevisiae*. *Journal of General Microbiology* 133: 2497-2501.

Soberón M, Olamendi J, Rodríguez L, González A (1987) Role of glutamate aminotransferase in glutamine catabolism by *Saccharomyces cerevisiae* under microaerophilic conditions. *Journal of General Microbiology* 135: 2693-2697.

González A, Rodríguez L, Olivera H, Soberón M (1985) NADP-dependent glutamate dehydrogenase activity is impaired in mutants of *Saccharomyces cerevisiae* that lack aconitase. *Journal of General Microbiology* 131: 2565-2571.

Presentations

- Daniella Jimenez, Lesly Soto, Laura Rodriguez-Uribe. The Fruit of Life: Jujube fruit or Jujube leaf? Poster Presentation CAMP MPSW, NMSU Summer 2018.
- Jennifer Castillo, Josue Chacon, Laura Rodriguez-Uribe. Lavender: The Plant of Many Uses. Poster Presentation CAMP MPSW, NMSU Summer 2018.
- Jonathan Nunez, Edrik Castro, Laura Rodriguez-Uribe. The most beneficial part, the most horrible taste: The truth behind pomegranate. Poster Presentation CAMP MPSW, NMSU Summer 2018.
- David Corral, Laura Rodriguez-Uribe. Extraction of Antioxidants from and Artichoke. Poster Presentation CAMP MPSW, NMSU Summer 2018.
- Chris Hatch, Edith Moncada, Ana Torres, Laura Rodriguez-Uribe, Stuart Munson-McGee, Nancy C. Flores, Preliminary Studies on Functional Beverages from Jujube Fruit. ACES Open House 2018 NMSU, Las Cruces, NM.
- Victor Velazquez-Martinez, D. Valles, Laura Rodriguez-Uribe, Efren Delgado, Phenolic Compounds in Sugar Cane Bagasse. ACES Open House 2018 NMSU, Las Cruces, NM.
- C. Montero, S. Yao, L. Rodriguez-Uribe, R. Rivas, N. Flores, E. Delgado Extraction of Phenolic Compounds in Jujube: Total Phenolic Content, Antioxidant Activity and Storage Time Effect. ACES Open House 2018 NMSU, Las Cruces, NM.
- L. Rodriguez-Uribe, Molecular analyses on the genetic control of color quantity and quality of chile fruit. 1st Symposium for Research and Outreach Partnership-Chihuahua-Desert Region Universidad Autonoma de Chihuahua (UACH) New Mexico State University (NMSU) September 01, 2017.
- L. Rodriguez-Uribe, Molecular Genetics of Pigments in Capsicum spp. XLII Semana de Quimica internacional: Universidad Autonoma de Chihuahua October 12-13, 2017.
- R. Marquez, Anahi Elias, Laura Rodriguez-Uribe. Polysaccharide Content and Phenolic Compounds in *Opuntia phaeacantha*, *Opuntia macrocentra*, and *Opuntia ficus-indica*. Poster Presentation MPSW-NMSU Summer 2017
- M.H. Sanchez, Neida Rocha, Laura Rodriguez-Uribe. Effects of Drought Stress in Pigments and Antioxidants in *Medicago sativa*. Poster Presentation CAMP-MPW, NMSU Summer 2017.

- E. Cazares, Mariela Munoz, Laura Rodriguez-Urbe. Medicinal Compounds and Nutritious Value in the Onion from the Allium Family. Poster Presentation CAMP-MPW, NMSU Summer 2017.
- L. Rodriguez-Urbe, and M.A. O'Connell. A new gene regulates the expression of carotenogenic genes in *Capsicum annuum*. International Pepper Conference. 2016. Las Cruces, NM, USA.
- O. Herrera, Maria Luisa Varela, Laura Rodriguez-Urbe. Comparing Medicinal Properties from African, French, and Durango *Calendula officinalis*. Poster Presentation CAMP-MPSW, NMSU Summer 2016.
- O. Serrano, Joakin Chavarria, Laura Rodriguez-Urbe. Who Understands Celosia: *Celosia plumose*. Poster Presentation CAMP-MPSW, NMSU Summer 2016.
- I. Monsivaiz, Martin Duron, Laura Rodriguez-Urbe. Is your Cinnamon True Cinnamon?: Phenolic Compounds in Different Species of Cinnamon and Their Antibacterial Capabilities. Poster Presentation CAMP-MPSW, NMSU Summer 2016.
- L. Rodriguez-Urbe, and M.A. O'Connell. Capsaicinoid and carotenoid composition and genetic diversity of KAS and CCS in *Capsicum annuum* L. Landraces *Capsicum annuum*. International Pepper Conference. 2015. Las Cruces, NM, USA.
- T. Cisneros, L. Rodriguez-Urbe, Richard Richins, and M.A. O'Connell. Ecofriendly solvent system for separation of pigments. International Pepper Conference. 2015. Las Cruces, NM, USA.
- T. Cisneros, Laura Rodriguez-Urbe. Eco-Friendly Solvent System for Separation of Pigments. Poster Presentation CAMP-MPSW, NMSU Summer 2015.
- M. Angeles, Ebelin Ramirez, Laura Rodriguez-Urbe. Abundance of Capsaicin and Dehydrocapsaicin in Peppers. Poster Presentation CAMP-MPSW, NMSU Summer 2015.
- R. Madrid, Luis Navarro, Laura Rodriguez-Urbe. Compounds present in four different mints. Poster Presentation CAMP-MPSW, NMSU Summer 2015.
- E. Alvarez, Ricardo Terrazas, Laura Rodriguez-Urbe. Antioxidant Content in Cacao. Poster Presentation CAMP-MPSW, NMSU Summer 2015.
- B. Esparza, Frank Hernandez, Laura Rodriguez-Urbe. Antioxidant Activity in *Hibiscus* Flowers and Leaves. Poster Presentation CAMP-MPSW, NMSU Summer 2015.
- K. Mejia, Jose Munoz, Laura Rodriguez-Urbe. Comparative Analysis of Garden Sage vs Russian Sage, and Texas Sage. Poster Presentation CAMP-MPSW, NMSU Summer 2014.
- Y. Arrollo, Angel G. Mena, Laura Rodriguez-Urbe. Passion Flower: Comparison of Natural and Commercial Product Content. Poster Presentation CAMP- MPSW, NMSU Summer 2014.
- T. Cisneros, Kaydee Porras, Laura Rodriguez-Urbe. Medicinal Compounds in Purple and Yellow Yarrow. Poster Presentation CAMP- MPSW, NMSU. Summer 2014.
- K. Mendez, Emerald Anderson, Laura Rodriguez-Urbe. Concentration of Nordihydroguaiaretic acid (NDGA) and Anti-microbial Activity in *Larrea tridentata* from Three Different Environmental Conditions. Poster Presentation RISE/CAMP- MPSW, NMSU Summer 2013.
- D. Riviello, Sativa Cruz, Myrna Moreno, Laura Rodriguez-Urbe. Analysis of Quercetin Concentration in Open and Closed Leaves of *Albizia julibrizin*: Testing for Antioxidant and antimicrobial Properties. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2013.

- I. Rodriguez, Miguel Zizumbo, Laura Rodriguez-Urbe. Antimicrobial Effects from *Ephedra trifurca* and *E. nevadensis*. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2013.
- I. Rodriguez, Miguel Zizumbo, Laura Rodriguez-Urbe. Assessment and Comparison of phytoconstituents in *V. agnus-castus* fruit and its antimicrobial activity. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2013.
- K. Acosta, Monica Munoz, Diego Gomez, Laura Rodriguez-Urbe. Analysis of grape melanine and its Antimicrobial Properties in *Serratia marcescens*. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2013.
- H. Notah, Eugenio Ibarra, Kerena Dominguez, Laura Rodriguez-Urbe. Relationship between vitamin C and capsaicin in chili peppers. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2012.
- W. Bradley, Codee Guerin, Iliana Hernandez, Laura Rodriguez-Urbe. Capsaicin: An indicator of Spiciness in Hot Sauces. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2012.
- D. Davis, Araceli Delgado, Katryn Sanchez, Laura Rodriguez-Urbe. The Effect of capsaicin on the bacteria *Nisseria subflava* and Rad14 Yeast Cells. Poster Presentation RISE/CAMP-MPSW, NMSU Summer 2012.
- L. Rodriguez-Urbe, I. Guzmán and M.A. O'Connell. Carotenoid Pathway Analysis in *Capsicum annuum*. International Pepper Conference. 2010. Las Cruces, NM, USA.
- Ivette Guzmán, L. Rodriguez-Urbe, and M. A. O'Connell. Carotenoid Pathway Analysis in *Capsicum annuum*. 2010 Joint Annual Meeting of the American Society of Pharmacognosy and the Phytochemical Society of North America. St Petersburg Beach, Florida USA.
- Hideaki Susuki, Laura Rodriguez-Urbe, James Stewart, and Jinfa Zhang. Microarray Analysis of Cytoplasmic Male Sterility and Restoration in Cotton 2010 Beltwide Cotton Conferences. New Orleans, LA.
- Laura Rodriguez-Urbe, Jinfa Zhang, and S. Ed. Hughs Identification and Isolation of Differentially Expressed Genes of Cotton in Response to Water deficit Stress. 2009 Beltwide Cotton Conferences. San Antonio, Texas, USA.
- Jessica Curtiss, L. Rodriguez-Urbe, Jinfa Zhang Comparative Gene Expression Between Semigamatic and Non-semigamatic Pima Cotton 2009 Beltwide Cotton Conferences, San Antonio, Texas, USA.
- Sandra Michelleto, Laura Rodriguez-Urbe, Ricardo Hernandez, Jeanne Curry, Richard Richins and Mary A. O'Connell. 2006. Identification of Drought Responsive Transcripts in Roots of *Phaseolus vulgaris* and *P. acutifolius* Using Microarray Approach. Southwest Consortium on Plant Genetics and Water Resources. 21th Annual Southwest Consortium Symposium. Las Cruces, NM USA.
- Laura Rodriguez-Urbe, S. Ghoshroy, and M. O'Connell. 2002. Subcellular Localization of a Novel Transcription Factor in Watered and Drought Stressed *Phaseolus acutifolius*. Microscopy and Microanalysis 2002 Quebec, Canada.
- Laura Rodriguez-Urbe, Jeanne Curry, Richard Richins, and Mary O'Connell. 2001. Characterization of Drought-Responsive Genes in Tepary Bean (*Phaseolus acutifolius*). Southwest Consortium on Plant Genetics and Water Resources. 16Th Annual Southwest Consortium Symposium. Las Cruces, NM USA.
- Laura Rodriguez-Urbe, Jeanne Curry, Richard Richins, and Mary O'Connell. 2001. Characterization of Drought-Responsive Genes in Tepary Bean (*Phaseolus*

- acutifolius*). X Congreso Nacional de Bioquímica y Biología Molecular de Plantas. 4th Symposium-Mexico- USA. La Paz B.C.S. Mexico.
- Rodríguez-Uribe L., S. Kirakodu and E. E. Serrano. 1998. Expression of actin and H⁺-ATPase in *Phaseolus acutifolius* (tepary) 7th National Congress and 2nd Joint Mexico-U S Symposium on Plant Biochemistry and Molecular Biology. Guanajuato, Mexico.
- Rodríguez-Uribe L., S. Kirakodu, C. Provencio and E. E. Serrano. 1998. Expression of Actin and Proton ATPase in *Phaseolus acutifolius* and *Vicia faba*. The Annual Meeting of the American Society of Plant Physiologists, Madison, Wisconsin.
- Kirakodu S., L. Rodríguez, J. Gladden and E. E. Serrano. 1996. Cloning Proton ATPase genes from *Phaseolus acutifolius*. 6th International Congress on Cell Biology, 36th American Society for Cell Biology Annual Meeting, San Francisco, California.
- Winston R., L. Rodríguez and E. E. Serrano. 1996. Structure and function of tepary *Phaseolus acutifolius* guard cells. 6th International Congress on Cell Biology, 36th American Society for Cell Biology Annual Meeting, San Francisco California.
- Rodríguez-Uribe L., P. León-Mejía and M. Rocha-Sosa. 1992. Characterization of proteins induced with abscisic acid and jasmonic acid in *Phaseolus vulgaris* suspension cultures. VII PABS Congress, XIX Congreso de la Sociedad Mexicana de Bioquímica, Sociedad Española de Bioquímica, Ixtapa, Guerrero.
- González A., M. Lara, L. Rodríguez, G. Mancino and P. Ballario. 1990. *Saccharomyces cerevisiae* glutamate synthase (GOGAT) isozymes: their purification and cloning of a putative structural gene. 15th International Conference on Yeast Genetics and Molecular Biology. La Haya, Holland.
- Rodríguez L. and A González. 1987. Papel fisiológico de la glutamato sintasa en *Saccharomyces cerevisiae*. VII Congreso Latinoamericano de Genética. II Congreso Cubano de Genética, La Habana, Cuba.
- Rodríguez L., F. Lara and A. González. 1985. Nitrogen distribution in a glutamate auxotroph of *Saccharomyces cerevisiae*. Meeting on Molecular Biology of Yeast, Cold Spring Harbor, New York.
- González A., L. Rodríguez and H. Olivera. 1984. Role of ammonium and 2-oxoglutarate in the regulation of GDH-NADP of *Saccharomyces cerevisiae*. 12th International Conference of Yeast Genetics and Molecular Biology. Edimburg, Scotland.

Honors/Awards

- 1996-2002 CONACYT Scholar.
- 1997 American Society of Plant Physiologists. Travel Grant to attend the Plant Biochemistry Summer Course at Washington State University Pullman, Washington.
- 1998 American Society of Plant Physiologists (ASPP) Travel grant to attend the Plant Biology Meeting University of Madison, Wisconsin.
- 2017 NMSU Graduate School Faculty.
- 2017 Online Course Improvement Program (OCIP Fellowship. NMSU.
- 2018 Course Development Institute (CDI) Fellowship, NMSU.

Conferences

- 2012 Mentoring Conference: Facilitating Developmental Relationships for Success. Mentoring Institute, Albuquerque, NM.
- 2018 Writing to Think: How Writing Improves Learning Conference. NMSU Pete Domenici, Las Cruces, NM.

2018 Ag Assembly, Las Cruces, NM.

Professional Societies

2010 American Society of Pharmacognosy
2005 American Pathological Society
2002 Microscopy Society of America
1996 American Society for Cell Biology