



**Curriculum Vita
May 2025**

Instructor: Carissa Manrique, PhD Adjunct Professor

Academic Department: College of Innovation and Design

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EDUCATION

Doctor of Philosophy, Chemistry
University North Texas, 2011

Masters of Science, Chemistry
Rice University, 2008

Bachelors of Arts, Chemistry
Texas A&M University, 2006

TEACHING EXPERIENCE

2021- present, Adjunct, Texas A&M University Commerce

2009- present, Associate Professor, Parker University

2009-2009, Adjunct, Tarrant County College

2006-2008, Teaching Assistant, Rice University

PROFESSIONAL EXPERIENCE

Academic Book Club. Parker University Symposium 2023

Teaching, Learning, & Technology Conference Overview. Parker University Symposium 2022

How to Engage Students Throughout the Year. The Teaching Professor Virtual Conference. Parker University, 2021

How to use QR codes effectively in your classroom. Parker University, 2020

Comparison of first-year grade point average and national board scores between alternative admission track students in a chiropractic program who took or did not take preadmission science courses. American Chiropractic Association, 2018

Synthesis of Calcium-Silicon Composites: An in-Vitro Model System for Calcific Band Keratopathy Precipitates. Masters Thesis, Rice University March 21, 2008

The Effects of Using Logic and Spatial Games to Improve Chemistry Success. ACS-CHEMED 2010

PUBLICATIONS

1. Carissa, M., Alsharif, A., Brown, K., Calongne, C., Cockerham, T., & Ngwenya, T. (2025). Small Teaching Online. *Journal of Chiropractic Education*, 39.
<https://meridian.allenpress.com/jce/article/doi/10.7899/JCE-24-7/506825/Small-Teaching-Online>
2. *Comparison of first-year grade point average and national board scores between alternative admission track students in a chiropractic program who took or did not take preadmission science courses.* Journal Chiropractic Education, 2019.

3. *The Effects of Silicon and Lipids on Calcific Band Keratopathy*. In progress
Synthesis of Calcium-Silicon Composites: An in-Vitro Model System for Calcific Band Keratopathy Precipitates, July, 2011
4. Manrique, C; Mason, D. (2010). Symposium Report on Aligning Texas Four-by-Four High School Curricula and First-Year College Courses. *Journal of Chemical Education*. 87, 672-674. (DOI: 10.1021/ed100393x)
2. Baron, A.; Manrique, C. (2008) Solid State Structures of Semiconductors. *Connexions*,
3. Baron, A.; Manrique, C. (2008) Atomic Hydrogen. *Connexions*.
4. Baron, A.; Manrique, C. (2008) [Bulk Semiconductor Synthesis and Purification](#).
5. Baron, A.; Manrique, C. (2008) Synthesis of Calcium-Silicon Composites: An in-Vitro Model System for Calcific Band Keratopathy Precipitates, In progress
6. Solid State Structures of Semiconductors. *Connexions*, May 2008
7. Atomic Hydrogen. *Connexions*, May 2008
8. [Bulk Semiconductor Synthesis and Purification](#). *Connexions*, May 2008
9. Formation of Silicon and Gallium Arsenide Wafers. *Connexions*, June 2008

RESEARCH GRANTS AND AWARDS

2024 Educator of the Year, \$500, Parker University

2022, Innovator of the Year Award, \$100, Parker University

2021, Innovator of the Year Award, \$100, Parker University

2020, Innovator of the Year Award, \$100, Parker University