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Dr. Kyle A. Beran

Professor of Chemistry
Chair: Department of Chemistry & Biochemistry
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Education:

- 1989 – 1994 University of Kansas, Lawrence, KS, Ph.D. (Physical Chemistry)
- 1985 – 1989 Angelo State University, San Angelo, TX, B.S. (Chemistry)

Professional Employment:

Full Professor & Chair	Angelo State University	8/2018 – Present
Full Professor & Chair	UT – Permian Basin	9/2013 – 5/2018
Full Professor	UT – Permian Basin	8/2012 – 5/2018
Associate Professor	UT – Permian Basin	8/2005 – 7/2012
Assistant Professor	UT – Permian Basin	8/2002 – 7/2005
Associate Professor	Saint Mary College	7/2002
Assistant Professor	Saint Mary College	8/1998 – 7/2002
Lecturer	Mesa State College	8/1995 – 5/1998
Post-doc	University of Kansas	1/1995 – 5/1995
TA and RA	University of Kansas	8/1989 – 12/1994

Academic Scholarship:

- Chief Reader Designate for AP Chemistry: Educational Testing Service (ETS) and College Board (CB) (2020 – 2021)

Awards:

- Excellence in Teaching Award 2014, The National Society of Leadership and Success, Sigma Alpha Pi Chapter (UTPB; Student Honor Society)

Service:

To Angelo State University

- Chair: Department of Chemistry & Biochemistry
- Speaker Selection Committee: West Texas Medical Association Distinguished Lectureship Honoring Dr. Roy E. Moon

Honorary and Professional Societies:

- American Chemical Society
- American Chemical Society, Permian Basin Section
- American Chemical Society, Physical Chemistry Division
- Delta Epsilon Sigma, Saint Mary College Chapter
- Sigma Xi, Mesa State College Chapter
- Sigma Xi, University of Kansas Chapter
- Gamma Sigma Epsilon, Angelo State University Chapter

Publications:

Refereed Manuscripts

- Caleb A. Haynes, Serafin Lopez, and Kyle A. Beran, "Investigation into the molecular structure and energetic stability of endohedral and exohedral metallofullerene derivatives of C_{24}", *Int J Quantum Chem.* **2019**; e25992. https://doi.org/10.1002/qua.25992.
- Kyle A. Beran, Vidhyullatha Kancharla, Sajid Bashir, Jingbo L. Liu, Oscar M. Ramirez, and Peter J. Derrick, "Parameterizing matrix-assisted laser desorption/ionization (MALDI): Effect of metal surfaces on analyte peak intensities", *J. Undergrad. Chem. Res.* **2017**, 16(4), 115-121.
- Mariela Gonzelez, Samantha Lujan, and Kyle A. Beran, "Investigation into the molecular structure, electronic properties, and energetic stability of endohedral (TM@C_{20}) and exohedral (TM-C_{20}) metallofullerene derivatives of C_{20}: TM = Group 11 and 12 transition metal atoms/ions", *Comput. Theor. Chem.* **2017,** *1119*, 32-44.

Presentations:

- David A. Maldonado, Alec Loya, Milka O. Montes, and Kyle A. Beran, "Validating the presence and exploring the role of a silver hydroxide intermediate in the production of silver nanoparticles", Presented (Abstract #CHED 1114) at the 255th National Meeting of the American Chemical Society, New Orleans, LA, March **2018.**
- Nickolas Hernandez and Kyle A. Beran, "Novel characterization of silver nanoparticles utilizing a laser system", Presented (Abstract #CHED 1279) at the 255th National Meeting of the American Chemical Society, New Orleans, LA, March **2018.**

- Levi Ramirez and Kyle A. Beran, "Scattered photon intensity as a tool to calibrate the size of Au and TiO_2 nanoparticles", Presented (Abstract #CHED 1280) at the 255th National Meeting of the American Chemical Society, New Orleans, LA, March **2018**.
- Russel Maharaj, Anthony X. Martinez, Milka O. Montes, and Kyle A. Beran, "Novel characterization of silver & gold nanoparticles utilizing a laser system", Oral & Poster presentation at the UTPB Undergraduate Research Program (URP), April **2017**.
- Jordan McDonald and Kyle A. Beran, "Energetic and structural analysis of metallo-heterofullerene derivatives of C_{20}: $C_{19}M$ (M = 3d transition metals)", Oral & Poster presentation at the UTPB Undergraduate Research Program (URP), April **2017**.
- Russel Maharaj, Milka O. Montes, and Kyle A. Beran, "Novel characterization of silver & gold nanoparticles utilizing a laser system", Presented (Abstract #CHED 1261) at the 253rd National Meeting of the American Chemical Society, San Francisco, CA, March **2017**.
- Jordan McDonald and Kyle A. Beran, "Energetic and structural analysis of metallo-heterofullerene derivatives of C_{20}: $C_{19}M$ (M = 3d transition metals)", Presented (Abstract #CHED 875) at the 253rd National Meeting of the American Chemical Society, San Francisco, CA, March **2017**.

Grants Funded:

- New Faculty Research Start-Up (Angelo State University)
  Status: Expired
  Award: $6404.00
  Effective: 1/2019 – 8/2019