Revised 12/29/2023

Dr. Kyle A. Beran

Professor of Chemistry
Chair: Department of Chemistry & Biochemistry
Angelo State University
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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 for AP Chemistry: Educational Testing Service (ETS) and The College Board (CB) (2021 – 2026)
- 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

- Sajid Bashir, M. Gomez, K.A. Beran, J.L. Liu, and P.J. Derrick, "Matrix-assisted Laser Assisted/Ionization Spectrometry with Re-Engineered 2, a 5-Dihydroxypheny Acid Derivative", *Advanced Materials Multidisciplinary Applications*, **2023**, 331-337. https://doi.org/10.1007/978-3-031-39404-1_12
- 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 Gonzalez, 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:

- ChemEd Conference: Kyle A. Beran and Jamie Benigna, "Results of the 2023 AP Chemistry Exam", Oral presentation, Guelph University, August **2023**.
- AP Annual Conference (APAC): Kyle A. Beran and Jamie Benigna, "AP Chemistry – 2023 Exam Results", Oral presentation, Seattle, WA. July **2023**.

- Seokwoo Jang and Kyle A. Beran, "Derivatives of C_{24} fullerene: A theoretical investigation", Poster presented at the ASU Undergraduate Research Symposium, April **2023**.
- Seokwoo Jang and Kyle A. Beran, "Electronic and structural properties of C24 fullerene derivatives: Metallo-, endohedral, and exohedral derivatives", Oral presentation at the Texas Academy of Science (TAS) Annual Meeting at Angelo State University, March **2023**.
- Biennial Conference on Chemical Education (BCCE): Kyle A. Beran, "Review of the 2022 AP Chemistry Exam", Oral presentation, Purdue University, August **2022**.
- Biennial Conference on Chemical Education (BCCE): Kyle A. Beran and Jamie Benigna, "Q&A with Chief Reader, Development Committee, and College Board", Oral presentation, Purdue University, August **2022**.
- Seokwoo Jang and Kyle A. Beran, "Assessing the energetic, electronic, and the structural properties of the singlet and triplet states of 3d transition metals as moieties in derivatives of C_{24}", Presented at the Angelo State University Undergraduate Research Symposium, San Angelo, TX, April **2022**.
- American Association of Chemistry Teachers (AACT): "Lessons Learned from the 2021 AP Chemistry Exam", Online webinar, September **2021**.
- Seokwoo Jang and Kyle A. Beran, "Investigation into the electronic and structural properties of C_{24} derivatives: A student utilizing density-functional theory", Presented (Abstract #206) at the 2021 Southwest Regional Meeting of the American Chemical Society, Austin, TX, November **2021**.

Grants Awarded:

- Welch Instrument Grant
  Status: Expired
  Award: $75,000
  Effective: 1/2023 – 8/2023
- Robert A. Welch Departmental Grant
  Status: Active
  Award: $135,000 over 3 years
  Effective: 6/2023 – 5/2026
- Faculty Mentor Grant
  Status: Expired
  Award: $1,500
  Effective: 1/2023 – 5/2023
- New Faculty Research Start-Up (Angelo State University)
  Status: Expired
  Award: $6404.00
  Effective: 1/2019 – 8/2019