



Allan D. Headley

Minnie Stevens Piper Professor
William L. Mayo Professor
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Education

Postdoc., 1983 (Chemistry)	University of California, Irvine, CA
Ph.D., 1982 (Chemistry)	Howard University, Washington, D. C.
B.A., 1976 (Chemistry)	Washington Adventist University (formerly Columbia Union College), Takoma Park, MD

Academic Positions and Recognitions

- Professor of Chemistry, East Texas A&M University (formally Texas A&M University-Commerce (2004 – present)
- Minnie Stevens Piper Professor, Minnie Stevens Piper Professor Foundation (2024)
- William L. Mayo Professor, East Texas A&M University (formally Texas A&M University-Commerce (2020)
- Visiting Professor, Wayne State University, Detroit, MI (Summer 2024)
- Honorary Professor, The University of the West Indies (2017 – 2020)
- Visiting Lecturer, Northern Caribbean University (Summer, 2018 & 2019)
- Adjunct Lecturer, The University of Florida, Gainesville (Summer, 2016)
- Visiting Lecturer, Zhejiang Sci-Tech University, Hangzhou, China (Summer, 2015)
- Professor of Chemistry, Texas Tech University, Lubbock, TX (2002 – 2004)
- Associate Professor of Chemistry, Texas Tech University, Lubbock, TX (1995 – 2002)
- Assistant Professor of Chemistry, Texas Tech University, Lubbock, TX (1989 – 1995)
- Lecturer in Chemistry, University of California, Irvine, CA (1987 – 1989)
- Lecturer in Chemistry, University of the West Indies, Jamaica (1983 – 1987)

Administrative Positions

- Interim Head, Chemistry Department, Texas A&M University-Commerce (2014 - 2015)
- Dean, Graduate Studies & Research, Texas A&M University-Commerce (2004- 2012)
- Associate Dean, The Graduate School, Texas Tech University (1999 – 2004)
- Program Director, The National Science Foundation, Arlington, VA (2002 – 2003)
- Associate Chair, Department of Chemistry & Biochemistry, Texas Tech (1996 – 1999)

Awards and Certifications

- Certification in Effective Teaching Practice Framework, 2024 - Association of College and University Educators (ACUE) and the American Council of Education (ACE)
- Research Mentor of the Year, 2022 – Texas A&M University-Commerce
- Eminent Faculty Award, 2020, Texas A&M University-Commerce

- David Talbot Outstanding Professor of the Year Award, 2019 - Texas Association of Black Personnel in Higher Education
- Excellence in Teaching Award, 2016 – The National Society of Leadership and Success
- Research Mentor of the Year, 2015 – Texas A&M University-Commerce
- Above & Beyond Faculty Mentor Award, 2015 - Trio-McNair Program, Texas A&M University-Commerce
- Distinguished Mentor of the Year, 2013 – Texas A&M University-Commerce
- Outstanding Professor of the Year 2001, Alpha Epsilon Delta (Premedical Honor Society, Texas Tech University)
- Outstanding Achievement Award, 1985, West Indies College Alumni Association

Society Memberships

- American Chemical Society - Chair-Elect (1993); Chair (1994) and Immediate Past-Chair (1995) of the South Plains Local Section, member since 1980
- Texas Association of Black Personnel in Higher Education
- National Organization of Black Chemists and Chemical Engineers (NOBCChE)

Teaching Experience

Undergraduate Courses
 General Chemistry
 Organic Chemistry
 Physical Chemistry
 Biochemistry

Graduate Courses
 Advanced Organic Chemistry
 Physical Organic Chemistry
 Reaction Mechanism (Special Topics)

Significant Publications

- Graham, R. L.; Mills, K.; Headley, A. D.; Ni, B. *Current Catalysis*, **2023**, 12(1), 34-42. *Asymmetric Synthesis of Spirooxindole Lactones by Ammonium-Tethered Chiral Organocatalysts catalyzed Michael Addition/Cyclization of 3-Hydroxyoxindoles with α,β -Unsaturated Aldehydes.*
- Headley, A. D. *Organic Chemistry, Concepts and Applications*" 2nd Edition (in preparation).
- Headley, A. D. *Organic Chemistry, Concepts and Applications*" 1st Edition, **2020**, John Wiley & Sons; ISBN-13: 9781119504672.
- Omar, E. M.; Rahman, M. B. A; Ni, B.; Headley, A. D. *Synthetic Communications*, **2019**, 49:12, 1578-1591. *The role of neutral anions in ionic liquid as solvent media for the reactivity and stereoselectivity towards asymmetric Michael addition reaction of n-pentanal with β -nitrostyrene catalyzed by L-Proline.*
- Headley, A. D. *Ionic Liquid Supported Organocatalysts for Organic Synthesis* (book chapter in *Sustainable Catalysis in Ionic Liquids*), CRC Press, **2018**, 31-55.
- Burugupalli, S.; Qiao, Y.; Katakam, K. M.; Headley, A. D. *Tetrahedron Asymmetry*. **2017**, 28, 1608-1611. *Highly Enantioselective Organocatalysis of Michael Addition of Oxyaldehydes to Nitroolefins.*
- Katakam, K. M.; Kim, Y.; Headley, A. D. *Tetrahedron Asymmetry*. **2017**, 28, 1591-1595. *A Highly Enantioselective [4+2] Cycloaddition Involving Aldehydes and β,Y -Unsaturated- α -keto esters.*
- Bade, A.; Qiao, Y.; Headley, A. D. *Trends in Org. Chem.* **2014**, 17, 1-8. *Asymmetric Aldol Reactions Catalyzed by Organocatalysts Derived From 1,1'-Bi-2-Naphthol and Amino Acids.*