



**Allan D. Headley**  
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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  $\alpha,\beta$ -Unsaturated Aldehydes.*
- Headley, A. D. *Organic Chemistry, Concepts and Applications*" 2<sup>nd</sup> Edition (in preparation).
- Headley, A. D. *Organic Chemistry, Concepts and Applications*" 1<sup>st</sup> 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  $\beta$ -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  $\beta,\gamma$ -Unsaturated- $\alpha$ -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.*