

## Curriculum Vitae

### Anthony Hayford, Ph.D

Department of Chemistry & Physics

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### EDUCATION

#### Ph.D. Chemistry, 1994

University of Maryland, College Park, MD,

#### M.S. Chemistry, 1988

Weizmann Institute of Science, Rehovot, Israel

#### B.S. Industrial Chemistry, 1984

Kwame Nkrumah Univ. of Science and Technology, Ghana

### TEACHING EXPERIENCE

2023-Present	Prairie View A&M University	Prairie View, TX	Lecturer II
2017-2022	Los Angeles Valley College	Van Nuys, CA	Associate Faculty
2017-2019	American Jewish University	Bel Air, CA,	Associate Faculty
2012-2015	Virginia Community Colleges Systems	Hampton, VA	Adjunct Faculty
2007-2008	Virginia Wesleyan College	Norfolk, VA	Visiting Professor
2000-2007	East Carolina University	Greenville, NC	Assistant Professor

### INDUSTRIAL EXPERIENCE

2009-Present FlexSynthesis & Analytical Services President  
Custom Synthesis work and sales of valuable chemical building blocks units through a consignment agreement with Sigma Aldrich Chemical Company

2009-2012 Metropolitan Laboratories Inc. Portsmouth, VA Laboratory Director  
Managed technical laboratory staff to run the day-to-day operations of an environmental contaminants testing laboratory. The laboratory processed and reported over 10,000 environmental testing samples per annum with improved laboratory image and revenue stream.

## PATENT (Pending)

Method for the Synthesis of 3-Substituted Indolizine and Benzoindolizine Compounds. Hayford, A.; Kaloko, J. Jr. United States Provisional Patent Appl. No. 60/640, 369; Filed December 30, 2004 & PCT Int. Appl. 2006

## PUBLICATIONS-REFEREED JOURNAL ARTICLES:

1. **Hayford, A.**; Kaloko J. Jr.; Salwa E.; Bass G.; Harrison, C.; Corprew, T. Practical Synthesis of (Z)-polyaromatic and heteroaromatic vinylacetylenes. **Org. Lett.** **2005,7, 2671.**
2. Kaloko, J. Jr.; **Hayford, A.** Direct Synthesis of Monofunctionalized Indolizines Derivatives Bearing Alkoxyethyl Substituents at C-3 and their Benzofused Analogues. **Org. Lett.** **2005, 7, 4305.**
3. Lazareva, M.I.; Kryschenko,Y.K.; **Hayford, A.**; Lovdahl, M.; Caple, R.; Smit, W.A.; Controlled One-Pot Sequence of Three  $A_{\text{D}}$  Reaction as a Novel Protocol for the Synthesis of Polyfunctional Compounds. **Tetrahedron Lett .** **1998, 39, 1083.**
4. Lazareva, M.I.; Kryschenko,Y.K.; Wakefield, D.; **Hayford, A.**; Caple, R.; Smit, W.A.; Structure and Reactivity of Thiophanium Salts, the Elusive Intermediate in  $ArS^+$ -Mediated One-pot Sequence of Three  $A_{\text{D}}$  Reactions. **Tetrahedron Lett.** **1998,39, 8787.**
5. Lazareva, M.I.; **Hayford, A.**; Kryschenko,Y.K.; Caple, R.; Smit, W.A Fourcomponents Coupling based on the Sequence of  $A_{\text{D}}$  Reactions involving arylsulfenylchloride, two alkyl ethers and silicon containing pi-donors a method for the preparation of polyfunctional compounds. **Russ. Chem. Bull.** **1998, 47, 895**
6. Lazareva, M.I.; **Hayford, A.**; Kryschenko,Y.K.; Caple, R.; Smit, W.A Fourcomponents Coupling based on the Sequence of  $A_{\text{D}}$  Reactions involving arylsulfenylchloride, two alkyl ethers and silicon containing pi-donors a method for the preparation of polyfunctional compounds. *Izv. Acad. Nauk. Ser. Khim.* 1998.
7. Margarita I. Lazareva, **Hayford, A.**, Yury K. Kryschenko, Ron Caple, William Smit. Four-components Coupling based on the Sequence of  $A_{\text{D}}$  Reactions involving arylsulfenylchloride, two alkyl ethers and silicon containing pi-donors a method for the preparation of polyfunctional compounds. *Izv. Acad. Nauk. Ser. Khim.* **1998.**
8. **Hayford, A.**, Mark Lovdahl, Margarita L. Lazareva, Yury K. Kryschenko, Johnson, T.; Alexander D. Dilman, Irina P. Smoliakova, Ron Caple, William A. Smit. Trimethylsilyl Derivatives as Final Nucleophiles In the Tandem Sequence of an  $ArS_{\text{Cl}}$  Initiated  $A_{\text{D}}$  Reaction Resulting in the synthesis of Polyfunctional Compounds. **Mendeleev Communication, 1997, 2,**

## Professional Organizations:

1988-Present: American Chemical Society (ACS) 1988-Present

1987-1997 National Organization for the Professional Advancement of Black Chemists and Chemical Engineers.

## HONORS AND AWARDS

2013 ACS Entrepreneurial Initiative (ERC) FastTrac. TechVenture Award

2012 ACS-PRF Summer Research Faculty, Ball State University, Muncie, IN

1994 Camille and Henry Dreyfus Postdoctoral Award

