

**Emmanuel A. Dada, Ph.D.; eadada@pvamu.edu, emmanuel.dada@ymail.com**

**Department of Chemical Engineering, PVAMU, 936-261-9968(Tel.)/9414 (Fax)**

- 1. Academic Rank:** Assistant Professor (Full-time)
- 2. Education:** B.Sc., Chemical Engineering, Obafemi Awolowo University, Nigeria 1980.  
M.S., Chemical Engineering, Lehigh University, 1986.  
Ph.D., Chemical Engineering, Lehigh University, 1989.
- 3. Academic Experience:**
  - 2012-Present PrairieView A&M University, Adjunct Instructor, full-time
  - 1985-1989 Lehigh University, Teaching Assistant in graduate and undergraduate courses in chemical engineering.
  - 1981-1984 University of Port Harcourt, Port Harcourt, Nigeria, Assistant Lecturer in undergraduate courses in chemical engineering.
  - 1980-1981 Rivers State University of Science and Technology, Port Harcourt, Nigeria, National Youth Service (NYSC) instructor in undergraduate chemical engineering courses.
- 4. Non-academic Experience**

<b><u>CHEMPROCESS TECHNOLOGIES (CPT), LLC</u></b> , League City, TX	<b>2010 – Present</b>
Principal Consultant, Consulting on Reactive Distillation, Energy Efficient Processes, etc.	
Co-PI on \$1.1 million 2-year DOE funded research on Heat Integrated Reactive Distillation	
PI on \$300K 1-year DOE Funded Grand Challenge FMC Project on Waste Heat Recovery	
Consultant to E3TEC Services on \$120K 9-month DOE SBIR Project on Heat Enhancement	
<b><u>FMC CORPORATION</u></b> , Princeton, NJ/Pasadena, TX	<b>1995- 2009</b>
Associate Research Fellow, FMC Corporation,	2004 – 2009
Senior Research Engineering Associate FMC Corporation,	2001 – 2004
Research Engineering Associate, FMC Corporation,	1998 - 2001
Senior Research Engineer, FMC Corporation,	1995 - 1998
<b><u>ROHM AND HAAS COMPANY</u></b> , Bristol, PA	<b>1989 - 1994</b>
<i>Research Engineer, Ag Chemical Process Research</i>	1993 - 1994
<i>Research Engineer, Process Technology Network</i>	1992 - 1993
<i>Research Engineer, Fundamental Chemical Engineering Research</i>	1989 - 1992
- 5. Certification and professional registration: SACHE-AICHE Risk Assessment**
- 6. Current Membership in Professional Organizations:**  
Fellow AIChE and NSChE, Member ACS and NOBCCChE.
- 7. Honors & Awards**
  - The NOBCCChE- Joseph N. Cannon Award for Excellence in Chemical Engineering 2014
  - MAC-AICHe William Grimes Award for Excellence in Chemical Engineering 2012
  - MAC-AICHe Black Achiever in Chemical Engineering 2008
  - NSChE (Nigeria Society of Chemical Engineers) Presidential Merit Award, 2002 and 2012
- 8. Service Activities (within and outside of the institution)**
  - Chairman, MAC-AICHe College Scholarship program from 1999 - present.
  - Served as a technical advisor (AIChE representative) to The Global ACET Project, 2007 - 2008.
  - Past Chair of SIOC (Societal Impact Operating Council) 2006-2007, and MAC of AIChE 2001-2003
  - Member Board of Directors of Community Capital Advisors (CCA), Philadelphia, PA 2006- present
- 9. Sample Publications and Presentations from the Last Five Years (4 patents, 40 papers):**  
**Matthew N. O. Sadiku, Emmanuel Dada, Kazeem Olanrewaju, and Sarhan M. Musa**, “Big Data in Healthcare”, International Journal for Research in Applied Science and Engineering Technology, IJRASET, Volume 6, Issue VI, June 2018  
**Kazeem B. Olanrewaju, Liem Thai, and Emmanuel Dada**, “Application of Computational Fluid Dynamics (CFD) in Biotransportation of Complex Fluid in the Human System”, *International Journal of Scientific and Engineering Research, IJSER*, Volume 9, Issue 6, June 2018
- 10. Professional Development Activities :** Attended NOBCCChE & AIChE Annual Conferences