

- 1. Name:** Emmanuel A. Dada, PhD
- 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:**
- 2018 - Prairie View A & M University, Assistant Professor (Full-time)
 - 2012-2018 PrairieView A&M University, Adjunct Instructor (Full-time)
 - 1985-1989 Lehigh University, Teaching Assistant in graduate and undergraduate courses in chemical engineering (Part-time)
 - 1981-1984 University of Port Harcourt, Port Harcourt, Nigeria, Assistant Lecturer in undergraduate courses in chemical engineering (Full-time)
 - 1980-1981 Rivers State University of Science and Technology, Port Harcourt, Nigeria, National Youth Service (NYSC) instructor in undergraduate chemical engineering courses. (Full-time)
- 4. Non-academic Experience**
- CHEMPROCESS TECHHNOLOGIES (CPT), LLC**, Houston, TX **2010** – Present, Part time. President & CEO 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
- FMC CORPORATION**, Princeton, NJ/Pasadena, TX, 1995- 2009, Full-time
Associate Research Fellow, FMC Corporation, 2004 – 2009, Full-time
Senior Research Engineering Associate FMC Corporation, 2001 – 2004, Full-time
Research Engineering Associate, FMC Corporation, 1998 – 2001, Full-time
Senior Research Engineer, FMC Corporation, 1995 – 1998, Full-time
- ROHM AND HAAS COMPANY**, Bristol, PA, 1989 – 1994, Full-time
Research Engineer, Ag Chemical Process Research, 1993 – 1994, Full-time
Research Engineer, Process Technology Network, 1992 – 1993, Full-time
Research Engineer, Fundamental Chemical Engineering Research, 1989 – 1992, Full-time
- 5. Certification and professional registration:**
CCPS-AIChE Overview of Risk Based Process Safety 2020
SACHE-AIChE Risk Assessment 2013
SACHE-AIChE Chemical Process Safety 2013
- 6. Current Membership in Professional Organizations:**
Fellow AIChE, Fellow NSChE, Member ACS and Member NOBCChE.
- 7. Honors & Awards**
- i. AIChE MAC Eminent Engineer Award 2019
 - ii. Pioneer Award at MAC@25 AIChE, 2015
 - iii. The NOBCChE- Joseph N. Cannon Award for Excellence in Chemical Engineering 2014
 - iv. MAC-AIChE William Grimes Award for Excellence in Chemical Engineering 2012

- v. MAC-AIChE Black Achiever in Chemical Engineering 2008
- vi. NSChE (Nigeria Society of Chemical Engineers) Presidential Merit Award, 2002 and 2012

8. Service Activities:

- i. Chairman, MAC-AIChE College Scholarship program from 1999 - present.
- ii. Technical advisor (AIChE representative) to The Global ACET Project, 2007 - 2008.
- iii. Past Chair of SIOC (Societal Impact Operating Council) 2006-2007, and MAC of AIChE 2001-2003
- iv. Member Board of Directors of Community Capital Advisors (CCA), Philadelphia, PA 2006- present
- v. Faculty Advisor, AIChE Student Chapter, Prairie View A & M University, 2014 – present
- vi. Member, SACS/ABET Accreditation Committee of College of Engineering, PVAMU, 2018- present
- vii. Elected to Senate, PVAMU 2020
- viii. Chairman, Curriculum Committee, Department of Chemical Engineering, PVAMU

9. Sample Publications and Presentations from the Last Five Years:

- i. Matthew N. O. Sadiku, Kazeem Olanrewaju, Emmanuel Dada, and Sarhan M. Musa, “Expert Systems in Healthcare”, *Journal of Scientific and Engineering Research, JSAER* 2021, 8(2):218-222
- ii. Matthew N. O. Sadiku, Emmanuel Dada, Sarhan M. Musa, and Kazeem B. Olanrewaju, “Ubiquitous Manufacturing”, *Journal of Scientific and Engineering Research, JSAER*, 2020, 7(5):212-214
- iii. 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 7, Issue IX, September, 2019
- iv. 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. Recent Professional Development Activities:

- i. Attended AIChE Conference, Orlando, FL, November 2019
- ii. Attended AIChE Conference, Pittsburgh, PA, October 28 – November 2, 2018
- iii. Attended Process Safety Faculty Workshop, Chevron Company, Richmond, CA August 13 – 16, 2017
- iv. Attended Southwest Process Technology Conference, Galveston, TX Oct 12 – 13, 2017
- v. Attended AIChE Conference, Minneapolis, MN Oct 29 – Nov 2, 2017
- vi. Attended NOBCCChE Conference, Minneapolis, MN Nov 3 – 7, 2017