

1. Name: Michael Gyamerah, Ph.D.

2. Education:

B.Sc., University of Science & Technology, Ghana, September 1977.
Ph.D., Biochemical Engineering, Loughbrough University, United Kingdom, 1984

3. Academic Experience:

2020-Present	Prairie View A&M University, Professor and Interim Head of Chemical Engineering Department, Full-time.
2018-2020	Prairie View A&M University, Associate Professor and Interim Head of Chemical Engineering Department, Full-time.
2007-2018	Prairie View A&M University, Associate Professor, Department of Chemical Engineering, Full-time.
2001-2007	Prairie View A&M University, Assistant Professor, Department of Chemical Engineering, Full-time.
2000-2001	Michigan State University, Research Associate (Bio-catalysis), Department of Chemistry, Full-time.
1999-2000	University of Waterloo, Canada, Research Associate (Bio-processing), Department of Chemical Engineering, Full-time.
1993-1996	University of Exeter, United Kingdom, Research Fellow (Bio-catalysis), Department of Biological Sciences, Full-time.
1992-1993	Loughborough University, United Kingdom, Visiting Research Fellow (Bio-processing), Department of Chemical Engineering, Full-time.
1988-1992	Norwegian University of Science & Technology, Trondheim, Norway, SINTEF Research Biotechnologist & NTNF Postdoctoral Fellow (Bio-processing), Full-time.
1984-1988	University of Ghana, Accra, Adjunct Instructor (Industrial Chemistry & Fermentation Technology), Chemistry Department, Part-time.

4. Non-academic Experience

1997 -1998	Nkulenu Industries Limited, Consultant (Bio-processing), Accra, Ghana, Full-time.
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5. Certification and professional registrations: CEng MICHE (UK), 2015

6. Current membership in professional organizations:

- i. CEng MICHE, Institution of Chemical Engineers (UK)
- ii. Senior Member, American Institute of Chemical Engineers (AIChE)
- iii. Member, American Society for Engineering Education (ASEE)
- iv. Member, Society for Biological Engineering (An AIChE Technological Community)

7. Honors and awards:

- i. 2020 Outstanding Faculty Teaching Award, Roy G. Perry College of Engineering
- ii. 2014 Outstanding Teacher Award for Roy G. Perry College of Engineering
- iii. 2010 – 2011 & 2011 – 2012 Outstanding Professor Award for Chemical Engineering

8. Service activities:

- i. PVAMU Faculty Senate member, 2010 – 2014 & 2016-2018
- ii. Advisor of Student Chapter of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE), Present
- iii. Executive Board Member, NOBCChE, 2017 - 2020
- iv. Member of the Roy G. Perry College of Engineering ABET Committee and the Chemical Engineering Department ABET Assessment Coordinator, 2003 - 2018
- v. Roy G. Perry College of Engineering representative on the Texas Higher Education Board Tuning Oversight for Chemical Engineering, 2012 – 2013
- vi. Chair of the Prairie View A & M University Institutional Bio-Safety Committee (IBC), 2007 – 2015
- vii. Member of the Human Subjects Internal Review Board (IRB) at Prairie View A & M University, 2005 - 2015
- viii. Reviewer: (i) Journal of The Science of Food and Agriculture (June 2021); (ii) Journal of Food Science (2019); (iii) Bioresource Technology (2017); (iv) Journal of Science of Food and Agriculture (2016); (v) Journal of Biotechnology (February 2015); (vi) Process Biochemistry (January 2015); (vii) African Journal of Biotechnology (November 2014); American Chemical Society (ACS) Journal Industrial & Engineering Chemistry Research (June 2011) and (ii) USDA/NIFA/SBIR grant proposals (February 2013)
- ix. Served as External Examiner for Ph.D. Thesis in biotechnology at the University of Madras, Chepauk, India (June – July 2011 and July – August , 2019)

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

- i. “Effect of Brönsted acidic ionic liquid 1-(1-propylsulfonic)-3-methylimidazolium chloride on growth and co-fermentation of glucose, xylose and arabinose by *Zymomonas mobilis* AX101”, M. Gyamerah, M. Ampaw-Asiedu, J. Mackey, B. Menezes, S. Woldeesenbet, Lett Appl Microbiol 66: 549 – 557, 2018
- ii. "Extraction and characterization of switchgrass and alfalfa seed oils as potential feedstocks for specialty chemicals and high performance fuel additives ", B. Turner, M. Gyamerah 45th Annual Meeting of the National Organization for the Professional Advancement of Black Chemists and Chemical (NOBCChE), Orlando, FL, September 17 - 20, 2018

10. Most recent professional development activities:

- i. How to Engineer Engineering Education Workshop, Bucknell University, July 14 & 15, 2020
- ii. Completed American Biological Safety Association (ABSA) course “Behaving Safely in the Laboratory: Understanding Complexities of Building and Sustaining a Culture of Safety”, Program #325-023-18, 1.0 ABSA CM Credit, 7.00 P.A.C.E. contact hours of continuing education, June 18, 20 and 22, 2018
- iii. Attended NOBCChE Annual meetings of 2010, 2011, and each year from 2014 to 2020 inclusive ((presented technical papers at 2010 and 2018 meetings)