



# Curriculum Vitae

[Note: Use black Arial 10 pt. font throughout. Hide table border lines upon completion of curriculum vitae. Limit document to no more than 2 pages. Delete this and other notes in purple.]

**Faculty Name:** Irvin W. Osborne-Lee, Ph.D. **Work Address:** P.O. Box 519; MS 2505  
Prairie View, TX 77446

**Position Title:** Professor & Head of Chemical Engineering  
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D., Chemical Engineering	The University of Texas at Austin, Texas	1985
	M.S., Chemical Engineering	The University of Texas at Austin, Texas	1979
	B.S., Chemical Engineering	The University of Texas at Austin, Texas	1975

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Professor & Head	Prairie View A&M University	1998 - Present
	Group Leader R&D Staff	Oak Ridge National Laboratory	1985 - 1998
	Adjunct Professor	University of Tennessee, Knoxville	1987

## Professional Publications:

- 1 Safwat H. Shakir Hanna, Magdy T. Khalil and **I. Osborne-Lee**, Ecological Human Imprint (EHI) and Water Resources in Egypt Modeling: Impacts and Assessment, International Journal of Sustainable Land Use and Urban Planning, ISSN 1927-8845| Vol. 2 No. 4, pp. 1-16 (2014)
- 2 R. Elmore, **I. Osborne-Lee**, R. Wilkins, and C. Marianno, "Answering the Scientific National Security Call: The Prairie View A&M University Approach to the Nuclear Forensics For Minority Serving Institutions Partnership," submitted for publication in *Proceedings of the 2015ANS Winter Conference, Washington, D.C.*, (December 2015).
- 3 **I. Osborne-Lee**, R. Elmore, R. Wilkins, C. Marianno, and B. Gersey, "Nuclear Detection Field Exercise at Disaster City – A Component of the Nuclear Forensic Analysis Course at Prairie View A&M University," oral presentation at the *6th Annual Academic-National Laboratory Collaboration Meeting*, Livermore, CA (August 3-5, 2015).
- 4 R. Wilkins, **I. Osborne-Lee**, and B. Gersey, "Radiation Research and Nuclear Forensics Curriculum Development at Prairie View A&M University," oral presentation at the *DNDO ARI Program Review*, (July 7-9, 2015).
- 5 S. Shakir Hanna, K..Harris, **I. Osborne-Lee**, G.Cesaretti, R. Misso and M..Khalil. Global Ecological Footprint, Climate Change Impacts and Assessment, Page 9-38 pages *Rivista Di Sulla Sostenibilita Vol.2 Review of Studies on Sustainability, Italy*, (2013).
- 6 S. Shakir Hanna and **I. Osborne-Lee**, "Modeling and Evaluating the Energy Flow in the Global Ecosystems and its impacts on Human Ecological Footprint." A book chapter in *Models of the Ecological Hierarchy from molecules to the ecosphere*. Edited by Ferenc Jordan and Sven Erik Jorgensen. (Chapter 28 pages 469–498). Elsevier Science 2012.

7 S. Shakir Hanna, and I. Osborne-Lee, "Sustainable Economy of the Ecological Footprint: Economic Analysis and Impacts" (book chapter), in *Ecosystems and Sustainable Development VIII*, C. A. Brebbia, et al., (eds.), WIT Transactions on Ecology and the Environment, vol. 144, 201, pages 313-326, (2011).

8 S. Shakir Hanna, and I. Osborne-Lee, "Sustainable Economy of the Ecological Footprint: Economic Analysis and Impacts" (book chapter), in *Ecosystems and Sustainable Development VIII*, C. A. Brebbia, et al., (eds.), WIT Transactions on Ecology and the Environment, vol. 144, 201, pages 313-326, (2011).

9 Committee on Production of Medical Isotopes without the Use of Highly Enriched Uranium, National Research Council, "Production of Medical Isotopes without the Use of Highly Enriched Uranium," National Academies Press, 2009 (co-author).

10 Committee on Improving the Scientific Basis for Managing Nuclear Materials and Spent Nuclear Fuel through the Environmental Management Science Program, National Research Council, "Improving the Scientific Basis for Managing DOE's Excess Nuclear Materials and Spent Nuclear Fuel," National Academies Report, 2003 (co-author).

**Additional  
Trainings/Skills:**

Board of Directors (ongoing since 2000) Gulf Coast Waste Disposal Authority.

Editorial Board (ongoing since 2010), International Journal of Environmental Science and Engineering, Prairie A&M University.

Associate Director (ongoing since 2004) Center for Environmentally Beneficial Catalysis.

Technical Advisory Board (ongoing since 2004), Mary Kaye O'Connor Process Safety Center, Texas A&M University.

Advisory Committee (ongoing since 2012, Nuclear Power Institute, Texas A&M University System