

Faculty Name: Safwat H. Shakir
Position Title: Senior Research Scientist and Fulbright Professor to Italy
Office Location: C.L.Wilson 200A
Office Phone: 936-261-9879
Email Address: shshakir@pvamu.edu

Work Address: P.O. Box 519; MS 1060
 Prairie View, TX 77446

Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D. Environmental Science, Including Ph.D. Dissertation	State University of New York and Syracuse University, College of Environmental Science and Forestry, Syracuse New York	1989
	M. Sc. Natural Resources, and Environmental Science, Including M.Sc. Thesis	Cairo University, Egypt	1982
	Higher Diploma (Master Degree) in "Environmental Management and Protection" including Master Thesis	University of Dresden, Germany	1981
	Higher Diploma (Master Degree) in Industrial Business Management, Including Master Project	Ain Shams University, Cairo, Egypt	1980
	B.Sc. Agriculture Engineering	Cairo University, Egypt	1971
	Intensive program of 'Remote Sensing for Land Use Inventories'	ISPRA CENTER, ITAL, The Commission of the European Communities organized this course.	1982

Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Faculty in computer Science.	Prairie View A&M University	1989-2009
	Senior Research Scientist and Faculty, Chemical Engineering Department	Prairie View A&M University	2009-Present
	Fulbright Professor to Italy – Teaching Graduate and undergraduate students – Supervising Ph.D. Thesis	University of Naples, University of Florence, and University of Catania, Italy	Fall Semester 2013 and still continuing support the research in these universities
	Summer Faculty Researcher and Teaching part-time	Texas A&M University	1994-1995
	Summer Faculty Researcher and teaching Part-Time	University of Houston	1994-2000
	Fulbright Specialist Expert for Different Countries in the World.	Fulbright	2004, 2008-2016

Professional Publications:

2017

2017 Safwat H. Shakir Hanna and Magdy T. Khalil (2017) Ecological Human Imprint In Egypt: Prospective Analysis and Views From Ecological Sustainability and Modeling. *Eur. Chem. Bull.*, 2017, 6(12), 564-568, DOI: 10.17628/ecb.2017.6.564-568

2017 Safwat H. Shakir Hanna, Irvin W. Osborne-Lee, Elisha Taiwo Ahlinvide (2017) Studies on The Role of Earthworms In Bioremediation of Motor Oil *Eur. Chem. Bull.*, 2017, 6(11), 491-503 DOI: 10.17628/ecb.2017.6.491-503

2017 Safwat H.Shakir Hanna, GP Cesaretti, R Misso (2017) Ecological Human Imprint: Global Agro Ecosystem, Balance of Human Race with Nature and Economic Sustainability- Rivista Di Studi Sulla, 24 P. 7-30, DOI: 10.3280/RISS2017-002002

2017 Gian Paolo Cesaretti, Rosa Misso, Hanna Safwat H. Shakir. (2017)Territorial competition and circular economy. Rivista Di Studi Sulla Sostenibilita' 12 P. 31-42 DOI: 10.3280 /RISS2017-002003.

- 2017** **Khalil, M.T, Fishar, M.R., Shakir Hanna, S.H., Amer,A.S, Nassif,M.G.** (2017)Impact of drainage water on macrobenthos structure of Lake Qaroun El Fayoum, Egypt. Egyptian Journal of Aquatic Biology and Fisheries. Vol(21)(2):17-32, ISSN 1110-6131, www.ejabf.js.iknito.com.
- 2016** **Shakir Hanna, S.H.,** Osborne-Lee, I.W., Cesaretti, G. P, Misso, R. and Khalil, M.T. 2016. Ecological Agro-ecosystem Sustainable Development in Relationship to Other Sectors in the Economic System, and Human Ecological Footprint and Imprint. *Agriculture and Agricultural Science Procedia. Volume 8*, 2016, Pages 17-30 <https://doi.org/10.1016/j.aaspro.2016.02.004>. Elsevier Science.
- 2016** **Shakir Hanna, S.H.,** Cesaretti, G. P, Misso, R., and Osborn-Le, I.W. 2016 Ecological Currency. A New Approach in Sustainable Development. In the 21st Century in Relationship to Climate Change and Human Imprint Impacts. Rivista Di Studi Sulla Sostenibilita' DOI: 10.3280/RISS2016-001003. Pages 13-24.
- 2016** Misso, R.; **Shakir Hanna, S.H.;** Cesaretti; G.P. and Carmen De Angelis, M. 2016. Lifestyles and internet: a new pathway for well-being sustainability. *International Journal of Electronic Marketing and Retailing (IJEMR), Vol. 7, No. 4, 2016* , pp. 274-286 <https://doi.org/10.1504/IJEMR.2016.080805>
- 2015** Gian Paolo Cesaretti, Maria Carmen de Angelis, Rosa Misso, Aquilina Olleia, Hanna Safwat H. Shakir *Towards a Universal Right to Well-being Sustainability (Verso un diritto universale alla sostenibilità del benessere). Pages 9-26. DOI: 10.3280/RISS2015-001002. Journal of RIVISTA DI STUDI SULLA SOSTENIBILITA'-Italy*
- 2015** Safwat H. Shakir Hanna, Kendall T. Harris, Irvine W.Osborne-Lee, Gian Paolo Cesaretti, Rosa Misso and , Magdy T. Khalil, Ecosystem and Reliability of Natural Capital Globally: an overview. Pages 44-67. Book Chapter in GOingREEN. A collaborative platform for the Excellences of Campania Region edited by AA. VV., Gian Paolo Cesaretti, Rosa Misso. 197. Pages.
- 2015** Safwat H. Shakir Hanna. Best Practice in Green –Economy for Sustainable Building and Sustainable Eco-tourism in Texas and USA. Pages 71-91 Book Chapter in GOingGREEN. A collaborative platform for the Excellences of Campania Region edited by AA. VV., Gian Paolo Cesaretti, Rosa Misso. 197. Pages.
- 2015** Gian Paolo Cesaretti¹, Maria Carmen de Angelis², Rosa Misso, Safwat H Shakir Hanna Sustainability Empowerment and Lifestyles: ICTs for New Food Behavioral Models. Proceedings of the 7th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2015), Kavala, Greece, 17-20 September, 2015. Pages 444-451.
- 2014** Safwat H. Shakir Hanna, Magdy T. Khalil, and Irvin W. Osborne-lee. Ecological Human Imprint (EHI) and Water Resources in Egypt Modeling: Impacts and Assessment. Pages 1-16 International Journal of Land Use and Urban Planning. Vol 2, No 4 (2014)- Science Target. www.sciencetarget.com
- 2014** Safwat H. Shakir Hanna, Kendal T. Harris and Irvin W. Osborne-Lee, Gian Paolo Cesaretti, and Rosa Misso, and Zacharoula S. Andreopoulou. Global Ecological Human Imprint, Sustainable Development and Environment: Assessment and Impacts. *European Journal of Sustainable Development* (2014), **3**, 3, 1-24, *Doi: 10.14207/ejsd.2014.v3n3p1*
- 2013** Safwat H. Shakir Hanna, Irvin W. Osborne-Lee, Gian Paolo Cesaretti and Rosa Misso. Assessment of the future sustainability of food supply and food security. Pages 22-40, JEL classification: Q51, Q56, C53- Politica Agricola Journal
- 2013** Safwat H. Shakir Hanna, Kendall T. Harris, Irvin W. Osborne-Lee, Gian Paolo Cesaretti, Rosa Misso and Magdy T. Khali. Global Ecological Footprint, Climate Change Impacts and Assessment.
- 2013** Sustainable Economy of Ecological Footprint in Africa: An Economic Analysis and Impacts. World Environment Vol.3(1):9-17. Doi:10.5923 / J. env 20130301.02.
- 2012** Shakir, S. H. 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
- 2012** Safwat H. Shakir Hanna, Samir I. Ghabbour, Wafai Z. A. Mikhail, Hassan M. Sobhy and Gehane Sultan. Diversity of functional groups of soil fauna in Egyptian habitats. International Journal of Environmental Science and Engineering (IJESE) Volume 3, 2012 – Pages 49-70.
- 2011** Shakir, S. H. 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.

Additional Trainings/Skills: Research In NASA - JPL

NASA 2001 & 2000& 2001 NASA – JPL Faculty Summer Researcher from PVAMU

Visiting Faculty

Oak Ridge National Laboratory-Environmental Science Division as visiting faculty – Doing Research with

Researcher from Oak Ridge National Laboratory- 1992-1998

**UNESCO
Reviewer**

UNESCO A reviewer for Millennium Ecosystems. "Reviewing Condition and Trends Chapter 13: Nutrient Cycling, in MA Condition and Trends Assessment". Invited By Secretary General of United Nation to Participate in the Evaluation Millennium Ecosystem 2001

**UNESCO
Speaker**

Invited as Speaker By UNESCO to make a presentation about Oil Bioremediation In Lebanon 2004

Fulbright

Fulbright Specialist Expert for Different Countries in the World. 2004-2005, 2008, 2008-2016

**Fulbright
Ain Shams
University,
Egypt**

Reviewer for Fulbright Candidates to be selected for the Fulbright Programs -2009-2013.

Major Advisor of Ph.D. Thesis student visiting to Prairie View A&M University from Ain Shams University, Cairo, Egypt. 2007-2008

PVAMU

Established the *International Journal of Environmental Science and Engineering* (IJESE)- ISSN 2156-7530 and Reviewer and Editor

Recognition

Received Chancellor of Texas A&M University System' Teaching Excellence Award Fall and Spring Semester 2008-2009

Italy and Greece

Reviewer and one of the Editorial Board for scientific Journals in Italy and Greece and USA