



Faculty Name:	Raghava R. Kommalapati, PhD, PE, BCEE, F. ASCE	Work Address:	P.O. Box 519; MS 2510 Prairie View, TX 77446
Position Title:	Honeywell Endowed Professor and Director of CEES		
Office Location:	110J Wilson (206T Wilson)		
Office Phone:	936-261-1660 (1656 Department Secretary)		
Email:	rrkcommalapati@pvamu.edu		

Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D. in Civil/Environ. Eng.	Louisiana State University	1995
	MS in Civil/Environ. Eng.	Louisiana State University	1994
	M.Tech (~ M.S). in Engineering Structures	Kakatiya University-Regional Eng. College (NIT-Warangal), India	1990
	B.Tech. (~ B.S.) in Civil Engineering	Nagarjuna University, INDIA	1988
Teaching Experience	Position Title	Institution Name	Position Dates
	Honeywell Endowed Professor	Prairie View A&M University	09/21- Present
	Professor	Prairie View A&M University	09/12- Present
	Director of CEES	Prairie View A&M University	01/12-Present
	Interim Department Head	Prairie View A&M University	01/10-08/13
	Associate Professor	Prairie View A&M University	09/04- 08/12
	Assistant Professor	Prairie View A&M University	06/98- 08/04
	Research Associate	Louisiana State University	01/96-05/98

Publications: **Partial list out of 1 Book, and 141 peer-reviewed publications including 9 book chapters, 84 journal articles, and 48 peer-reviewed conference proceedings and extended abstracts and 194 Conference Presentations**

1	(BOOK) Atmospheric Aerosols: Characterization, Chemistry, Modeling and Climate, 2009, K.T. Valsaraj and R.R. Kommalapati (editors), ACS Symposium Series, Volume 1005, Division of Environmental Chemistry, American Chemical Society, Oxford University Press, ISBN13: 9780841269736.
2	(BOOK CHAPTER) Ogletree, L. Du, H., and Kommalapati, R., 2021, Shale Oil & Gas Produced Water Treatment: Opportunities and Barriers for Forward Osmosis, Book Chapter in Osmotically Driven Membrane Processes, Muharrem Ince (Book Editor), IntechOpen, DOI: 10.5772/intechopen.96001
3	Harjinder Kaur and Raghava R. Kommalapati , 2021, Biochemical Methane Potential and Kinetic Parameters of Goat Manure at Various Inoculum to Substrate Ratios, Sustainability 2021, 13, 12806. https://doi.org/10.3390/su132212806
4	Du, H., Kommalapati, R.R. , 2021, Environmental sustainability of public transportation fleet replacement with electric buses in Houston, a megacity in the USA, International Journal of Sustainable Engineering Vol 14 (5?), https://doi.org/10.1080/19397038.2021.1972491
5	Fatima, F., Du, H., Kommalapati, R.R. , 2021, Treatment of Poultry Slaughterhouse Wastewater with Membrane Technologies: A Review. <i>Water</i> , 2021, Vol 13 (14):1905. https://doi.org/10.3390/w13141905
6	Ayobami Orangun, Harjinder Kaur and Raghava R. Kommalapati , 2021, Batch Anaerobic Co-Digestion and Biochemical Methane Potential Analysis of Goat Manure and Food Waste, <i>Energies</i> , Vol 14 (7), 1952. https://doi.org/10.3390/en14071952
7	Harjinder Kaur and Raghava R. Kommalapati , 2021, Optimizing anaerobic co-digestion of goat manure and cotton gin trash using biochemical methane potential (BMP) test and mathematical modeling, Springer Nature Applied Sciences, Vol 3, 724 https://doi.org/10.1007/s42452-021-04706-1
8	S.V. Botlaguduru, and R. R. Kommalapati , 2020, Meteorological Detrending of Long-Term (2003-2017) Ozone and Precursor Concentrations at Three Sites in the Houston Ship Channel Region, <i>Journal of the Air & Waste Management Association</i> , Vol 70 (1), 93-107. https://doi.org/10.1080/10962247.2019.1694088

9	Kommalapati R. , H. Du, M. Stewart, X. Shen, Z. Huque, 2020, The Effects of Synthesis Conditions on the Carbon Capture Capacity of Polyethylenimine Impregnated Protonated Titanate Nanotubes. <i>Science of Advanced Materials</i> , Vol 12(2), PP 228-236. https://doi.org/10.1166/sam.2020.3697
10	A. Howard, S.V. Botlaguduru, H. Du, Z. Huque, R. R. Kommalapati , 2019, Measurements and comparative air quality analysis of a goat farm operation, <i>Transactions of the American Society of Agricultural and Biological Engineers (ASABE)</i> , Vol 62 (6), 1723-1733, https://doi.org/10.13031/trans.13344
11	Kommalapati R.R. , H. Du, S. Potluri, V. Botlaguduru, 2019, Treatment of Shale Oil Produced Water with Zwitterion-modified Forward Osmosis Membrane. <i>Journal of Membrane Science & Technology</i> , Vol 9 (3) No 200. https://doi.org/10.35248/2155-9589.19.9.200
12	Babayev, M., H. Du, V. Botlaguduru, R. Kommalapati , Zwitterion-Modified Ultrafiltration Membranes for Permian Basin Produced Water Treatment, <i>Water</i> 2019, 11, Article ID: 1710. https://doi.org/10.3390/w11081710
13	Iqbal Hossan, Venkata S.V. Botlaguduru, Hongbo Du, Raghava R. Kommalapati, Ziaul Huque, 2018, Air Quality Impact of Biomass Co-firing with Coal at a Power Plant in the Greater Houston Area. <i>Open Journal of Air Pollution</i> , Vol 7 (3): 263-285. https://doi.org/10.4236/ojap.2018.73013
14	Raghava R. Kommalapati , Md Tarkik Shahriar, Venkata S.V. Botlaguduru, Hongbo Du, and Ziaul Huque, 2018, Relative contribution of different source categories to ozone exceedances in the Houston-Galveston-Brazoria area, <i>Journal of Environmental Protection</i> , Vol 9 (8): 847- 858. https://doi.org/10.4236/jep.2018.98052
15	V. Botlaguduru, R. Kommalapati and Z. Huque, 2018, Long-Term Meteorologically Independent Trend Analysis of Ozone Air Quality at an Urban Site in the Greater Houston Area, <i>Journal of Air & Waste Management Association</i> , Vol 68 (10) 1051-1064. Online version- https://doi.org/10.1080/10962247.2018.1466740
16	Raghava R. Kommalapati , Iqbal Hossan, Venkata S.V. Botlaguduru, Hongbo Du, Ziaul Huque, 2018, Life Cycle Environmental Impact of Biomass Co-firing with Coal at a Power Plant in the Greater Houston Area, <i>Sustainability</i> 2018, 10 (7) 2193; https://doi.org/10.3390/su10072193
17	Jesuina Chipindula, Venkata S.V. Botlaguduru, Hongbo Du, Raghava R. Kommalapati , Ziaul Huque, 2018, Life Cycle Environmental Impact of Onshore & Offshore Wind Farms in Texas, <i>Sustainability</i> 2018, 10 (6): 2022 https://doi.org/10.3390/su10062022
18	Du, H.; Huque, Z., Kommalapati, R. Impacts of Biodiesel Applied to the Transportation Fleets in the Greater Houston Area. 2018. <i>Journal of Renewable Energy</i> , Volume 2018, Article ID 7350715, https://doi.org/10.1155/2018/7350715
19	Raghava Kommalapati , Akhil Kadiyala, Md. Tarkik Shahriar, and Ziaul Huque, 2017, Review of the Life Cycle Greenhouse Gas Emissions from Different Photovoltaic and Concentrating Solar Power Electricity Generation Systems, <i>Energies</i> , Vol 10 (3), P 350 https://doi.org/10.3390/en10030350
20	Akhil Kadiyala, Raghava Kommalapati , Ziaul Huque, 2016, Evaluation of the Life Cycle Greenhouse Gas Emissions from Hydroelectricity Generation Systems, <i>Sustainability</i> , Vol 8, No 6, 539. doi:10.3390/su8060539
21	R. Kommalapati , Z. Liang, and Z. Huque, 2016, Photochemical Model Simulations of Air Quality for Houston-Galveston-Brazoria Area and Analysis of Ozone-NO _x -Hydrocarbon Sensitivity, <i>International Journal of Environmental Science and Technology</i> , Vol 13(1), pp 209-220. DOI: 10.1007/s13762-015-0862-6.
22	D. Roy, R.R. Kommalapati , S. Mandava, K.T. Valsaraj, and W.D. Constant, 1997, Soil Washing Potential of a Natural Surfactant, <i>Environmental Science & Technology</i> , Vol 31 (3): 670-675.
Additional Trainings/Skills:	
1	Responsible for \$19.68 Million from 55 grants (involved either as PI or co-PI) in career (\$19.29 Million from 50 grants while at PVAMU).
2	Serving as Director of NSF CREST Center, CEES since 2012
3	Serving as Graduate Program Coordinator for MS in Eng with Civil & Environmental Concentrations
4	Editorial Board Member for 7 professional journals in the area of environmental engineering and energy
5	Excellence in Civil Engineering Education (ExCEED), 1-Week Workshop Sponsored by American Society of Civil Engineers for Civil Engineering Faculty, July 14-19, 2002.
6	Conducting Rigorous Research in Engineering Education(RREE) workshop organized by Colorado School of Mines, Golden, CO, July 31-August 5, 2005
7	Integrating Sustainability into Environmental Engineering: Design principles and tools to expand your educative capacity, workshop, 2009 AEESP Conference, Iowa city, IA, July 26-28, 2009.