

## FACULTY VITAE – RAGHAV R. KOMMALAPATI

**1. Name:** Raghava R. Kommalapati

**Academic Rank:** Professor

**2. Education & Degree** (degree, discipline, institution, year)

B. Tech.	Civil Eng	Nagarjuna University, India	1988
M Tech.	Structures	Regional Engineering College, India	1990
MSCE	Environmental	Louisiana State University	1994
Ph. D.	Environmental	Louisiana State University	1995

**3. Academic Experience** (period, institution, rank)

2012-Present	Prairie View A&M	Director, CEES
2012-Present	Prairie View A&M	Professor
2010-2013	Prairie View A&M	Interim Dept. Head, CEE
2004-2009	Prairie View A&M	Assoc. Prof.
1998-2004	Prairie View A&M	Assist. Prof.

**4. Non-academic Experience**

2001 – 2019      Consultant, School of PE

**5. Certification and Professional Registrations:**

Professional Engineer, State of Texas; Board Certified Environmental Engineer (BCEE)

**6. Current Membership in Professional Organizations**

ASCE, AAEE, AEESP, ACS, AWMA, TBPE

**7. Honors & Awards**

- Best 2014 Outstanding Researcher of the year, Roy G. Perry College of Engineering, Prairie View A&M University.
- Featured in Roy G. Perry College of Engineering Research Magazine (Spring 2013 issue)
- 2010 Outstanding Faculty Service Award, Roy G. Perry College of Engineering, Prairie View A&M University
- Member of the Honor Society of Tau Beta Phi, Phi Kappa Phi and Sigma XI, The Scientific Research Society.

**8. Service Activities** (within and outside of the institution)

- Director and Principal Investigator, Center for Energy & Environmental Sustainability (CEES), An NSF-funded research center, 01/2012 - current.
- Principal Investigator for 5 grants totaling \$6.5M (current) and a total funding of \$17M since 1998)
- Serving as an editorial board member for 6 journals in the energy and environmental engineering areas.
- Member of Graduate Council, Prairie View A&M University (09/2019- Present)
- Member of numerous Departmental, College, and University committees

## **9. Selected Publications and Presentations**

- Harjinder Kaur and Raghava R. Kommalapati, 2021, Biochemical Methane Potential and Kinetic Parameters of Goat Manure at Various Inoculum to Substrate Ratios, *Sustainability*, 13, 12806. <https://doi.org/10.3390/su132212806>
- 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 (6), <https://doi.org/10.1080/19397038.2021.1972491>
- Fatima, F., Du, H., Kommalapati, R.R., 2021, Treatment of Poultry Slaughterhouse Wastewater with Membrane Technologies: A Review. *Water*, 2021, Vol 13 (14):1905. <https://doi.org/10.3390/w13141905>
- Ayobami Orangun, Harjinder Kaur and Raghava R. Kommalapati, 2021, Batch Anaerobic Co-Digestion and Biochemical Methane Potential Analysis of Goat Manure and Food Waste, *Energies*, Vol 14 (7), 1952. <https://doi.org/10.3390/en14071952>
- Chipindula, J., Du, H., Botlaguduru, V.S.V., Choe, D. and Kommalapati, R., 2021, Life Cycle Environmental Impact of High-Speed Rail System in the Houston-Dallas I-45 Corridor, *Public Transport*, <https://doi.org/10.1007/s12469-021-00264-2>
- Poojan Upadhaya, Hongbo Du and Raghava R. Kommalapati, 2020, Meteorological Detrending of Ozone at Three Sites in the Dallas-Fort Worth Area: Application of KZ Filter Method, *Atmosphere*, Vol 11(11), 1226, <https://doi.org/10.3390/atmos11111226>
- S.V. Botlaguduru, and R. R. Kommalapati, 2019, Meteorological Detrending of Long-Term (2003-2017) Ozone and Precursor Concentrations at Three Sites in the Houston Ship Channel Region, *Journal of the Air & Waste Management Association*, *Journal of the Air & Waste Management Association*, Vol 70 (1), 93–107. <https://doi.org/10.1080/10962247.2019.1694088>.

## **10. Brief List of Most Recent Professional Development Activities**

- 2021 American Institute of Chemical Engineers Annual Meeting, Boston, MA, November 7 – 11 (in person) and Virtual (15-19) 2021
- 2020 Tran-SET Conference (Virtual), Albuquerque, NM. September 1–2, 2020
- 2020 Air and Waste Management Association, 112th Annual Conference & Exhibition, Virtual Conference, June 30 – July 2, 2020.
- 2019 Air and Waste Management Association 112th Annual Conference & Exhibition, Quebec City, Quebec, Canada, June 25-28, 2019.
- Texas A&M Engineering Experiment Station (TEES) Annual Research Conference, Texas A&M Engineering Experiment Station (TEES), College Station, TX, May 21-22, 2018
- 2018 Air and Waste Management Association 111th Annual Conference & Exhibition, Hartford, CT, June 25-28, 2018
- 2017 - 4<sup>th</sup> International Conference on Environmental Systems Research -2017 (ICESR 2017), Singapore, December 14-16, 2017.
- 2017 Association of Environmental Engineering and Science Professors (AEESP) Research and Education Conference, Ann Arbor, MI, June 20-22, 2017