

# Gangagni Rao Anupoju

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6181671/publications.pdf>

Version: 2024-02-01

27  
papers

595  
citations

759233

12  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of single and two stage anaerobic digestion of landfill leachate: Effect of pH and initial organic loading rate on volatile fatty acid (VFA) and biogas production. <i>Bioresource Technology</i> , 2018, 251, 364-373.	9.6	101
2	Dry anaerobic co-digestion of food waste and cattle manure: Impact of total solids, substrate ratio and thermal pre treatment on methane yield and quality of biomanure. <i>Bioresource Technology</i> , 2018, 253, 273-280.	9.6	68
3	Rapid generation of volatile fatty acids (VFA) through anaerobic acidification of livestock organic waste at low hydraulic residence time (HRT). <i>Bioresource Technology</i> , 2017, 238, 188-193.	9.6	50
4	Relative evaluation of micronutrients (MN) and its respective nanoparticles (NPs) as additives for the enhanced methane generation. <i>Bioresource Technology</i> , 2017, 238, 290-295.	9.6	42
5	Exploitation of rapid acidification phenomena of food waste in reducing the hydraulic retention time (HRT) of high rate anaerobic digester without conceding on biogas yield. <i>Bioresource Technology</i> , 2017, 226, 65-72.	9.6	42
6	Single cell protein production from digested and undigested poultry litter by <i>Candida utilis</i> : optimization of process parameters using response surface methodology. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 265-273.	4.1	31
7	Solid state anaerobic digestion of food waste and sewage sludge: Impact of mixing ratios and temperature on microbial diversity, reactor stability and methane yield. <i>Science of the Total Environment</i> , 2021, 793, 148586.	8.0	31
8	Cooked and uncooked food waste: A viable feedstock for generation of value added products through biorefinery approach. <i>Chemical Engineering Research and Design</i> , 2016, 107, 43-51.	5.6	23
9	Role of Nitrogen Oxides, Black Carbon, and Meteorological Parameters on the Variation of Surface Ozone Levels at a Tropical Urban Site in Hyderabad, India. <i>Clean - Soil, Air, Water</i> , 2013, 41, 215-225.	1.1	21
10	Anaerobic mono and co-digestion of organic fraction of municipal solid waste and landfill leachate at industrial scale: Impact of volatile organic loading rate on reaction kinetics, biogas yield and microbial diversity. <i>Science of the Total Environment</i> , 2020, 748, 142462.	8.0	18
11	Operational strategy of high rate anaerobic digester with mixed organic wastes: effect of co-digestion on biogas yield at full scale. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1151-1159.	2.2	15
12	Seasonal ground level ozone prediction using multiple linear regression (MLR) model. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 1981-1989.	3.4	15
13	Comparison of mesophilic and thermophilic methane production potential of acids rich and high-strength landfill leachate at different initial organic loadings and food to inoculum ratios. <i>Science of the Total Environment</i> , 2020, 715, 136658.	8.0	15
14	Solid-state anaerobic co-digestion of food waste and cardboard in a pilot-scale auto-fed continuous stirred tank reactor system. <i>Journal of Cleaner Production</i> , 2021, 289, 125775.	9.3	15
15	Solid-state anaerobic digestion of sugarcane bagasse at different solid concentrations: Impact of bio augmented cellulolytic bacteria on methane yield and insights on microbial diversity. <i>Bioresource Technology</i> , 2021, 340, 125675.	9.6	13
16	Evaluating the impact of Iron Oxide nanoparticles (IO-NPs) and IO-NPs doped granular activated carbon on the anaerobic digestion of food waste at mesophilic and thermophilic temperature. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107388.	6.7	12
17	Optimization of feed and extractant concentration for the liquid-liquid extraction of volatile fatty acids from synthetic solution and landfill leachate. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 190-202.	5.8	11
18	Significance of Pretreatment in Enhancing the Performance of Dry Anaerobic Digestion of Food Waste: An Insight on Full Scale Implementation Strategy with Theoretical Analogy. <i>Processes</i> , 2020, 8, 1018.	2.8	11

#	ARTICLE	IF	CITATIONS
19	Anaerobic co-digestion of food waste and cardboard in different mixing ratios: Impact of ultrasound pre-treatment on soluble organic matter and biogas generation potential at varying food to inoculum ratios. <i>Biochemical Engineering Journal</i> , 2021, 166, 107853.	3.6	11
20	Surface Ozone and its Precursor Gases Concentrations during COVID-19 Lockdown and Pre-Lockdown Periods in Hyderabad City, India. <i>Environmental Processes</i> , 2021, 8, 959-972.	3.5	11
21	Process intensification with inline pre and post processing mechanism for valorization of poultry litter through high rate biomethanation technology: A full scale experience. <i>Renewable Energy</i> , 2017, 114, 428-436.	8.9	10
22	Silica extraction followed by biogas generation from rice straw: Investigating the impact of pretreatment on purity of silica, biogas yield and microbial diversity along with insights on techno-economic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108274.	6.7	10
23	Removal of NH <sub>3</sub> and H <sub>2</sub> S from odor causing tannery emissions using biological filters: Impact of operational strategy on the performance of a pilot-scale bio-filter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 625-634.	1.7	5
24	Solid state anaerobic digestion of organic waste for the generation of biogas and bio manure. , 2022, , 247-277.		5
25	Anaerobic Co-digestion of Biogenic Wastes Available at Palm Oil Extraction Factory: Assessment of Methane Yield, Estimation of Kinetic Parameters and Understanding the Microbial Diversity. <i>Bioenergy Research</i> , 2023, 16, 213-227.	3.9	4
26	Understanding the substrate mediated microbial community shift within the anaerobic ecosystems via 16S metagenomic studies. <i>Bioresource Technology Reports</i> , 2021, 15, 100793.	2.7	3
27	Improved biomethanation of horse manure through acid-thermal pretreatment and supplementation of iron nanoparticles under mesophilic and thermophilic conditions. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2993-3006.	4.6	2