

# Vijayalakshmi Arelli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11968025/publications.pdf>

Version: 2024-02-01

12  
papers

226  
citations

1307594

7  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

261  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Solid state anaerobic digestion of organic waste for the generation of biogas and bio manure. , 2022, , 247-277.		5
10	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
11	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
12	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