

Metagenomic and Resistome Analysis of a Full-Scale Mu in Singapore Containing Membrane Bioreactors

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Exploration of the antibiotic resistome in a wastewater treatment plant by a nine-year longitudinal metagenomic study. <i>Environment International</i> , 2019, 133, 105270.	4.8	85
2	Anaerobic digestion reduces extracellular antibiotic resistance genes in waste activated sludge: The effects of temperature and degradation mechanisms. <i>Environment International</i> , 2020, 143, 105980.	4.8	38
3	Nutrient removal performance and microbiome of an energy-efficient reciprocation MLE-MBR operated under hypoxic conditions. <i>Water Research</i> , 2020, 182, 115991.	5.3	19
4	Metagenomic insights into microbial characterizations in explaining the distinction of biofilter performance during start-up. <i>Biodegradation</i> , 2020, 31, 183-199.	1.5	0
5	Contrasting distribution of antibiotic resistance genes and microbial communities in suspended activated sludge versus attached biofilms in an integrated fixed film activated sludge (IFAS) system. <i>Science of the Total Environment</i> , 2020, 742, 140481.	3.9	10
6	Interest of bacterial pangenome analyses in clinical microbiology. <i>Microbial Pathogenesis</i> , 2020, 149, 104275.	1.3	12
7	Recent developments in microalgal conversion of organic-enriched waste streams. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 24, 61-66.	3.2	16
8	Control Strategies to Combat Dissemination of Antibiotic Resistance in Urban Water Systems. <i>Handbook of Environmental Chemistry</i> , 2020, , 147-187.	0.2	4
9	Reduction of erythromycin resistance gene <i>erm</i> (F) and class 1 integron-integrase genes in wastewater by Bardenpho treatment. <i>Water Environment Research</i> , 2020, 92, 1042-1050.	1.3	9
10	Antibiotic resistome associated with microbial communities in an integrated wastewater reclamation system. <i>Water Research</i> , 2020, 173, 115541.	5.3	53
11	The Current Burden of Carbapenemases: Review of Significant Properties and Dissemination among Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 186.	1.5	129
12	Metagenomic exploration of antibiotic resistome in treated wastewater effluents and their receiving water. <i>Science of the Total Environment</i> , 2021, 765, 142755.	3.9	33
13	Land application of sewage sludge: Response of soil microbial communities and potential spread of antibiotic resistance. <i>Environmental Pollution</i> , 2021, 271, 116317.	3.7	27
14	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. <i>F1000Research</i> , 0, 10, 80.	0.8	8
15	Metagenomic Quantification of Genes with Internal Standards. <i>MBio</i> , 2021, 12, .	1.8	18
16	Antibiotic resistome from the One-Health perspective: understanding and controlling antimicrobial resistance transmission. <i>Experimental and Molecular Medicine</i> , 2021, 53, 301-309.	3.2	113
17	Genome-level insights into the operation of an on-site biological wastewater treatment unit reveal the importance of storage time. <i>Science of the Total Environment</i> , 2021, 766, 144425.	3.9	7
18	Meta-analysis to identify the core microbiome in diverse wastewater. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5079-5096.	1.8	13

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19	Increased Antimicrobial and Multidrug Resistance Downstream of Wastewater Treatment Plants in an Urban Watershed. <i>Frontiers in Microbiology</i> , 2021, 12, 657353.	1.5	34
20	Bacteriome depiction and the trophic status of the largest Northern highland lake from Andes system: Lago de Tota, Boyacá, Colombia. <i>Archives of Microbiology</i> , 2021, 203, 3695-3705.	1.0	1
21	Metagenomic analysis of urban wastewater resistome and mobilome: A support for antimicrobial resistance surveillance in an endemic country. <i>Environmental Pollution</i> , 2021, 276, 116736.	3.7	30
22	Distribution of antibiotic resistance genes and their association with bacteria and viruses in decentralized sewage treatment facilities. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 35.	3.3	18
23	Longitudinal Surveillance of Antibiotic Resistance in <i>Escherichia coli</i> and <i>Enterococcus</i> spp. from a Wastewater Treatment Plant and Its Associated Waters in KwaZulu-Natal, South Africa. <i>Microbial Drug Resistance</i> , 2021, 27, 904-918.	0.9	7
24	Thematic and Geographical Trend in Scientific Research Applied in Municipal Wastewater Treatment Plants: an Overview. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	3
25	Shotgun metagenomics assessment of the resistome, mobilome, pathogen dynamics and their ecological control modes in full-scale urban wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2021, 418, 126387.	6.5	20
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27	Metagenomic profiles and health risks of pathogens and antibiotic resistance genes in various industrial wastewaters and the associated receiving surface water. <i>Chemosphere</i> , 2021, 283, 131224.	4.2	39
28	Nanopore-based metagenomics analysis reveals prevalence of mobile antibiotic and heavy metal resistome in wastewater. <i>Ecotoxicology</i> , 2021, 30, 1572-1585.	1.1	18
29	Metagenomic Analysis Reveals the Fate of Antibiotic Resistance Genes in a Full-Scale Wastewater Treatment Plant in Egypt. <i>Sustainability</i> , 2021, 13, 11131.	1.6	3
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32	The source and fate of <i>Mycobacterium tuberculosis</i> complex in wastewater and possible routes of transmission. <i>BMC Public Health</i> , 2022, 22, 145.	1.2	15
33	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge. <i>Microbiome</i> , 2022, 10, 20.	4.9	52
34	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. <i>F1000Research</i> , 0, 10, 80.	0.8	0
35	Profiling of emerging pathogens, antibiotic resistance genes and mobile genetic elements in different biological wastewater treatment plants. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107596.	3.3	14
36	The balance between treatment efficiency and receptor quality determines wastewater impacts on the dissemination of antibiotic resistance. <i>Journal of Hazardous Materials</i> , 2022, 434, 128933.	6.5	6

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37	Framework for establishing regulatory guidelines to control antibiotic resistance in treated effluents. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 754-779.	6.6	6
38	Genomic Analysis of Carbapenem-Resistant <i>Comamonas</i> in Water Matrices: Implications for Public Health and Wastewater Treatments. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	10
39	A comparative study of flow cytometry-sorted communities and shotgun viral metagenomics in a Singapore municipal wastewater treatment plant. , 2022, 1, .		2
40	Membrane-based hybrid systems incorporating nanomaterials for wastewater treatment. , 2022, , 71-144.		0
41	Clinically Relevant β -Lactam Resistance Genes in Wastewater Treatment Plants. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13829.	1.2	10
42	The Assessment of the Risk Ranking and Mobility Potential Associated with Environmental Resistomes in Wastewater Using Metagenomic Assembly. <i>Sustainability</i> , 2022, 14, 14292.	1.6	1
43	Different microplastics distinctively enriched the antibiotic resistance genes in anaerobic sludge digestion through shifting specific hosts and promoting horizontal gene flow. <i>Water Research</i> , 2023, 228, 119356.	5.3	28
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