## Metagenomic and Resistome Analysis of a Full-Scale Muin Singapore Containing Membrane Bioreactors

Frontiers in Microbiology

10, 172

DOI: 10.3389/fmicb.2019.00172

Citation Report

#	Article	IF	CITATIONS
1	Exploration of the antibiotic resistome in a wastewater treatment plant by a nine-year longitudinal metagenomic study. Environment International, 2019, 133, 105270.	10.0	85
2	Anaerobic digestion reduces extracellular antibiotic resistance genes in waste activated sludge: The effects of temperature and degradation mechanisms. Environment International, 2020, 143, 105980.	10.0	38
3	Nutrient removal performance and microbiome of an energy-efficient reciprocation MLE-MBR operated under hypoxic conditions. Water Research, 2020, 182, 115991.	11.3	19
4	Metagenomic insights into microbial characterizations in explaining the distinction of biofilter performance during start-up. Biodegradation, 2020, 31, 183-199.	3.0	O
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. Science of the Total Environment, 2020, 742, 140481.	8.0	10
6	Interest of bacterial pangenome analyses in clinical microbiology. Microbial Pathogenesis, 2020, 149, 104275.	2.9	12
7	Recent developments in microalgal conversion of organic-enriched waste streams. Current Opinion in Green and Sustainable Chemistry, 2020, 24, 61-66.	5.9	16
8	Control Strategies to Combat Dissemination of Antibiotic Resistance in Urban Water Systems. Handbook of Environmental Chemistry, 2020, , 147-187.	0.4	4
9	Reduction of erythromycin resistance gene <i>erm</i> (F) and class 1 integronâ€integrase genes in wastewater by Bardenpho treatment. Water Environment Research, 2020, 92, 1042-1050.	2.7	9
10	Antibiotic resistome associated with microbial communities in an integrated wastewater reclamation system. Water Research, 2020, 173, 115541.	11.3	53
11	The Current Burden of Carbapenemases: Review of Significant Properties and Dissemination among Gram-Negative Bacteria. Antibiotics, 2020, 9, 186.	3.7	129
12	Metagenomic exploration of antibiotic resistome in treated wastewater effluents and their receiving water. Science of the Total Environment, 2021, 765, 142755.	8.0	33
13	Land application of sewage sludge: Response of soil microbial communities and potential spread of antibiotic resistance. Environmental Pollution, 2021, 271, 116317.	<b>7.</b> 5	27
14	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. F1000Research, 0, 10, 80.	1.6	8
15	Metagenomic Quantification of Genes with Internal Standards. MBio, 2021, 12, .	4.1	18
16	Antibiotic resistome from the One-Health perspective: understanding and controlling antimicrobial resistance transmission. Experimental and Molecular Medicine, 2021, 53, 301-309.	7.7	113
17	Genome-level insights into the operation of an on-site biological wastewater treatment unit reveal the importance of storage time. Science of the Total Environment, 2021, 766, 144425.	8.0	7
18	Meta-analysis to identify the core microbiome in diverse wastewater. International Journal of Environmental Science and Technology, 2022, 19, 5079-5096.	3.5	13

#	ARTICLE	IF	CITATIONS
19	Increased Antimicrobial and Multidrug Resistance Downstream of Wastewater Treatment Plants in an Urban Watershed. Frontiers in Microbiology, 2021, 12, 657353.	3.5	34
20	Bacteriome depiction and the trophic status of the largest Northern highland lake from Andes system: Lago de Tota, Boyac $ ilde{A}_i$ , Colombia. Archives of Microbiology, 2021, 203, 3695-3705.	2.2	1
21	Metagenomic analysis of urban wastewater resistome and mobilome: A support for antimicrobial resistance surveillance in an endemic country. Environmental Pollution, 2021, 276, 116736.	7.5	30
22	Distribution of antibiotic resistance genes and their association with bacteria and viruses in decentralized sewage treatment facilities. Frontiers of Environmental Science and Engineering, 2022, 16, 35.	6.0	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. Microbial Drug Resistance, 2021, 27, 904-918.	2.0	7
24	Thematic and Geographical Trend in Scientific Research Applied in Municipal Wastewater Treatment Plants: an Overview. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	3
25	Shotgun metagenomics assessment of the resistome, mobilome, pathogen dynamics and their ecological control modes in full-scale urban wastewater treatment plants. Journal of Hazardous Materials, 2021, 418, 126387.	12.4	20
26	Relevance of membrane biological reactor in heavy metals recovery: Diminutive review. Environmental Quality Management, 0, , .	1.9	1
27	Metagenomic profiles and health risks of pathogens and antibiotic resistance genes in various industrial wastewaters and the associated receiving surface water. Chemosphere, 2021, 283, 131224.	8.2	39
28	Nanopore-based metagenomics analysis reveals prevalence of mobile antibiotic and heavy metal resistome in wastewater. Ecotoxicology, 2021, 30, 1572-1585.	2.4	18
29	Metagenomic Analysis Reveals the Fate of Antibiotic Resistance Genes in a Full-Scale Wastewater Treatment Plant in Egypt. Sustainability, 2021, 13, 11131.	3.2	3
30	Analysis of Microbial Communities and Pathogen Detection in Domestic Sewage Using Metagenomic Sequencing. Diversity, 2021, 13, 6.	1.7	24
31	Undervalued Pseudo- <i>nifH</i> Sequences in Public Databases Distort Metagenomic Insights into Biological Nitrogen Fixers. MSphere, 2021, 6, e0078521.	2.9	17
32	The source and fate of Mycobacterium tuberculosis complex in wastewater and possible routes of transmission. BMC Public Health, 2022, 22, 145.	2.9	15
33	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge. Microbiome, 2022, 10, 20.	11.1	52
34	A roadmap for the generation of benchmarking resources for antimicrobial resistance detection using next generation sequencing. F1000Research, 0, 10, 80.	1.6	0
35	Profiling of emerging pathogens, antibiotic resistance genes and mobile genetic elements in different biological wastewater treatment plants. Journal of Environmental Chemical Engineering, 2022, 10, 107596.	6.7	14
36	The balance between treatment efficiency and receptor quality determines wastewater impacts on the dissemination of antibiotic resistance. Journal of Hazardous Materials, 2022, 434, 128933.	12.4	6

3

#	ARTICLE	IF	CITATIONS
37	Framework for establishing regulatory guidelines to control antibiotic resistance in treated effluents. Critical Reviews in Environmental Science and Technology, 2023, 53, 754-779.	12.8	6
38	Genomic Analysis of Carbapenem-Resistant <i>Comamonas</i> in Water Matrices: Implications for Public Health and Wastewater Treatments. Applied and Environmental Microbiology, 2022, 88, .	3.1	10
39	A comparative study of flow cytometry $\hat{\mathbf{s}}$ orted 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 $\hat{I}^2$ -Lactam Resistance Genes in Wastewater Treatment Plants. International Journal of Environmental Research and Public Health, 2022, 19, 13829.	2.6	10
42	The Assessment of the Risk Ranking and Mobility Potential Associated with Environmental Resistomes in Wastewater Using Metagenomic Assembly. Sustainability, 2022, 14, 14292.	3.2	1
43	Different microplastics distinctively enriched the antibiotic resistance genes in anaerobic sludge digestion through shifting specific hosts and promoting horizontal gene flow. Water Research, 2023, 228, 119356.	11.3	28
44	Unveiling the threshold values of organic and oxytetracycline loadings for nitrification recovery of a full-scale pharmaceutical wastewater treatment system. Chemical Engineering Journal, 2023, 463, 142487.	12.7	6
45	Transfer route and driving forces of antibiotic resistance genes from reclaimed water to groundwater. Environmental Pollution, 2023, 330, 121800.	7.5	3
46	Contribution of wastewater to antimicrobial resistance: A review article. Journal of Global Antimicrobial Resistance, 2023, 34, 23-29.	2.2	7
47	Transition of antimicrobial resistome in wastewater treatment plants: impact of process configuration, geographical location and season. Npj Clean Water, 2023, 6, .	8.0	11
48	Metagenomic insight into the prevalence and driving forces of antibiotic resistance genes in the whole process of three full-scale wastewater treatment plants. Journal of Environmental Management, 2023, 344, 118369.	7.8	2
49	Wastewater treatment plants, an "escape gate―for ESCAPE pathogens. Frontiers in Microbiology, 0, 14,	3.5	12
50	Application of high-throughput sequencing technologies and analytical tools for pathogen detection in urban water systems: Progress and future perspectives. Science of the Total Environment, 2023, 900, 165867.	8.0	0
51	Safe reuse of wastewater: Effect of disinfection methods on microbial community. Journal of Cleaner Production, 2023, 419, 138291.	9.3	2
52	Social demographics determinants for resistome and microbiome variation of a multiethnic community in Southern Malaysia. Npj Biofilms and Microbiomes, 2023, 9, .	6.4	0
53	Occurrence and removal prediction of pharmaceuticals positively correlated with antibiotic resistance genes in wastewater treatment processes. Environmental Technology and Innovation, 2023, 32, 103425.	6.1	0
54	Insights into the circular: The cryptic plasmidome and its derived antibiotic resistome in the urban water systems. Environment International, 2024, 183, 108351.	10.0	1

#	Article	IF	CITATIONS
57	An evaluation of conventional and nature-based technologies for controlling antibiotic-resistant bacteria and antibiotic-resistant genes in wastewater treatment plants. Science of the Total Environment, 2024, 917, 170433.	8.0	1
58	Bacterial resistome in different stages of wastewater treatment plant is highly impacted by the abundance of the Pseudomonadota community. Bioresource Technology Reports, 2024, 26, 101814.	2.7	O