

Precipitation influences pathogenic bacteria and antibiotic resistance genes in storm drain outfalls in coastal sub-tropical waters

Environment International

116, 308-318

DOI: [10.1016/j.envint.2018.04.005](https://doi.org/10.1016/j.envint.2018.04.005)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Rainfall on the Microbial Water Quality of a Tropical Urban Catchment. Journal of Environmental Quality, 2018, 47, 1242-1248.	2.0	1
2	A review on microbial contaminants in stormwater runoff and outfalls: Potential health risks and mitigation strategies. Science of the Total Environment, 2019, 692, 1304-1321.	8.0	85
3	Developing a framework for stormwater management: leveraging ancillary benefits from urban greenspace. Urban Ecosystems, 2019, 22, 1139-1148.	2.4	34
4	Characterizing the soil microbiome and quantifying antibiotic resistance gene dynamics in agricultural soil following swine CAFO manure application. PLoS ONE, 2019, 14, e0220770.	2.5	42
5	Decoupling the Dynamics of Bacterial Taxonomy and Antibiotic Resistance Function in a Subtropical Urban Reservoir as Revealed by High-Frequency Sampling. Frontiers in Microbiology, 2019, 10, 1448.	3.5	27
6	Distribution and co-occurrence of antibiotic and metal resistance genes in biofilms of an anthropogenically impacted stream. Science of the Total Environment, 2019, 688, 437-449.	8.0	40
7	Antibiotic Resistance Genes in Freshwater Trout Farms in a Watershed in Chile. Journal of Environmental Quality, 2019, 48, 1462-1471.	2.0	16
8	A conceptual framework for the environmental surveillance of antibiotics and antibiotic resistance. Environment International, 2019, 130, 104880.	10.0	142
9	Tetracycline exposure shifted microbial communities and enriched antibiotic resistance genes in the aerobic granular sludge. Environment International, 2019, 130, 104902.	10.0	78
10	Use of Escherichia coli genes associated with human sewage to track fecal contamination source in subtropical waters. Science of the Total Environment, 2019, 686, 1069-1075.	8.0	21
11	The flux and impact of wastewater infrastructure microorganisms on human and ecosystem health. Current Opinion in Biotechnology, 2019, 57, 145-150.	6.6	36
12	Floc-size effects of the pathogenic bacteria in a membrane bioreactor plant. Environment International, 2019, 127, 645-652.	10.0	10
13	Time-resolved spread of antibiotic resistance genes in highly polluted air. Environment International, 2019, 127, 333-339.	10.0	67
14	Ecology of Pathogens and Antibiotic-resistant Bacteria in Environments: Challenges and Opportunities. Microbes and Environments, 2019, 34, 1-4.	1.6	12
15	Critical Evaluation of CrAssphage as a Molecular Marker for Human-Derived Wastewater Contamination in the Aquatic Environment. Food and Environmental Virology, 2019, 11, 113-119.	3.4	77
16	Contributions and Challenges of High Throughput qPCR for Determining Antimicrobial Resistance in the Environment: A Critical Review. Molecules, 2019, 24, 163.	3.8	89
17	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. Nature Communications, 2019, 10, 80.	12.8	378
18	Role of wastewater treatment plants on environmental abundance of Antimicrobial Resistance Genes in Chilean rivers. International Journal of Hygiene and Environmental Health, 2020, 223, 56-64.	4.3	27

#	ARTICLE	IF	CITATIONS
19	Antimicrobial resistance in freshwater <i>Plesiomonas shigelloides</i> isolates: Implications for environmental pollution and risk assessment. <i>Environmental Pollution</i> , 2020, 257, 113493.	7.5	17
20	Airborne bacterial communities and antibiotic resistance gene dynamics in PM2.5 during rainfall. <i>Environment International</i> , 2020, 134, 105318.	10.0	32
21	Microbial source tracking. , 2020, , 71-87.		1
22	International tempo-spatial study of antibiotic resistance genes across the Rhine river using newly developed multiplex qPCR assays. <i>Science of the Total Environment</i> , 2020, 706, 135733.	8.0	20
23	Frequency and diversity of <i>Stenotrophomonas</i> spp. carrying blaKPC in recreational coastal waters. <i>Water Research</i> , 2020, 185, 116210.	11.3	12
24	Fecal indicator bacteria, direct pathogen detection, and microbial community analysis provide different microbiological water quality assessment of a tropical urban marine estuary. <i>Water Research</i> , 2020, 185, 116280.	11.3	23
25	Relationship between Rainfall, Fecal Pollution, Antimicrobial Resistance, and Microbial Diversity in an Urbanized Subtropical Bay. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	20
26	Presence of antibiotic resistance genes and its association with antibiotic occurrence in DilÂvio River in southern Brazil. <i>Science of the Total Environment</i> , 2020, 738, 139781.	8.0	55
27	Antimicrobial-resistant microorganisms and their genetic determinants in stormwater: A systematic review. <i>Current Opinion in Environmental Science and Health</i> , 2020, 16, 101-112.	4.1	18
28	Identification of reliable marker genes for the detection of canine fecal contamination in sub-tropical Australia. <i>Science of the Total Environment</i> , 2020, 718, 137246.	8.0	6
29	Quantification of antibiotic resistance genes for environmental monitoring: Current methods and future directions. <i>Current Opinion in Environmental Science and Health</i> , 2020, 16, 47-53.	4.1	19
30	Fungal contaminants in water and sand: A new frontier for quantitative microbial risk assessment. <i>Current Opinion in Environmental Science and Health</i> , 2020, 16, 73-81.	4.1	10
31	Residential urban stormwater runoff: A comprehensive profile of microbiome and antibiotic resistance. <i>Science of the Total Environment</i> , 2020, 723, 138033.	8.0	44
32	Diversity and Genetic Basis for Carbapenem Resistance in a Coastal Marine Environment. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	12
33	Evolutions of antibiotic resistance genes (ARGs), class 1 integron-integrase (intl1) and potential hosts of ARGs during sludge anaerobic digestion with the iron nanoparticles addition. <i>Science of the Total Environment</i> , 2020, 724, 138248.	8.0	68
34	The potential of <i>Aeromonas</i> spp. from wildlife as antimicrobial resistance indicators in aquatic environments. <i>Ecological Indicators</i> , 2020, 115, 106396.	6.3	21
35	Relationships among microbial indicators of fecal pollution, microbial source tracking markers, and pathogens in Costa Rican coastal waters. <i>Water Research</i> , 2021, 188, 116507.	11.3	40
36	Microbial community composition and antimicrobial resistance in agricultural soils fertilized with livestock manure from conventional farming in Northern Italy. <i>Science of the Total Environment</i> , 2021, 760, 143404.	8.0	39

#	ARTICLE	IF	CITATIONS
37	Designing a marine outfall to reduce microbial risk on a recreational beach: Field experiment and modeling. <i>Journal of Hazardous Materials</i> , 2021, 409, 124587.	12.4	7
38	Metagenomic Sequencing and Quantitative Real-Time PCR for Fecal Pollution Assessment in an Urban Watershed. <i>Frontiers in Water</i> , 2021, 3, 626849.	2.3	15
39	Immediate Impact of Hurricane Lane on Microbiological Quality of Coastal Water in Hilo Bay, Hawaii. <i>Environmental Science & Technology</i> , 2021, 55, 2960-2967.	10.0	6
40	Twenty-first century molecular methods for analyzing antimicrobial resistance in surface waters to support One Health assessments. <i>Journal of Microbiological Methods</i> , 2021, 184, 106174.	1.6	17
41	Microbial and Viral Indicators of Pathogens and Human Health Risks from Recreational Exposure to Waters Impaired by Fecal Contamination. <i>Journal of Sustainable Water in the Built Environment</i> , 2021, 7, .	1.6	17
42	Application of manure from cattle administered antibiotics has sustained multi-year impacts on soil resistome and microbial community structure. <i>Soil Biology and Biochemistry</i> , 2021, 157, 108252.	8.8	39
43	Integrative Survey of 68 Non-overlapping Upstate New York Watersheds Reveals Stream Features Associated With Aquatic Fecal Contamination. <i>Frontiers in Microbiology</i> , 2021, 12, 684533.	3.5	6
44	Distribution and Influence on the Microbial Ecological Relationship of Antibiotic Resistance Genes in Soil at a Watershed Scale. <i>Sustainability</i> , 2021, 13, 9748.	3.2	6
45	Quantifying and predicting antimicrobials and antimicrobial resistance genes in waterbodies through a holistic approach: a study in Minnesota, United States. <i>Scientific Reports</i> , 2021, 11, 18747.	3.3	7
46	Antibiotic resistance genes in an urban stream before and after a state fair. <i>Journal of Water and Health</i> , 2021, 19, 885-894.	2.6	5
47	A review on present and future microbial surface water quality worldwide. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100523.	2.9	4
48	The role of iron-based nanoparticles (Fe-NPs) on methanogenesis in anaerobic digestion (AD) performance. <i>Environmental Research</i> , 2022, 204, 112043.	7.5	25
50	Persisting antibiotic resistance gene pollution and its association with human sewage sources in tropical marine beach waters. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 238, 113859.	4.3	17
51	Carbapenem Resistance among Marine Bacteria—An Emerging Threat to the Global Health Sector. <i>Microorganisms</i> , 2021, 9, 2147.	3.6	3
52	The heavy metal pollution in groundwater, surface and spring water in phosphorite mining area of Tebessa (Algeria). <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100591.	2.9	4
53	Global trends in ARGs measured by HT-qPCR platforms. , 2020, , 206-222.		5
54	Entry Routes of Antibiotics and Antimicrobial Resistance in the Environment. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2020, , 1-26.	0.7	0
55	Antibiotic resistance in wastewater, does the context matter? Poland and Portugal as a case study. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4194-4216.	12.8	5

#	ARTICLE	IF	CITATIONS
56	Distribution characteristics of antibiotic resistance bacteria and related genes in urban recreational lakes replenished by different supplementary water source. <i>Water Science and Technology</i> , 2022, 85, 1176-1190.	2.5	2
57	A framework for standardized qPCR-targets and protocols for quantifying antibiotic resistance in surface water, recycled water and wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4395-4419.	12.8	27
58	Community Structure and Functional Annotations of the Skin Microbiome in Healthy and Diseased Catfish, <i>Heteropneustes fossilis</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 856014.	3.5	4
59	<scp> <i>Escherichia coli</i> </scp> levels and microbial source tracking in stormwater retention ponds and detention basins. <i>Water Environment Research</i> , 2022, 94, e1675.	2.7	2
61	The Effects of a Typhoon on the Dynamic of Microbial Community Structure and Water Quality of the Marine Bathing Beach. <i>Water (Switzerland)</i> , 2022, 14, 1631.	2.7	1
62	Seasonal and spatial patterns differ between intracellular and extracellular antibiotic resistance genes in urban stormwater runoff. <i>Environmental Science Advances</i> , 2022, 1, 380-390.	2.7	2
63	Antimicrobial Resistance Monitoring of Water Environments: A Framework for Standardized Methods and Quality Control. <i>Environmental Science & Technology</i> , 2022, 56, 9149-9160.	10.0	80
64	Annual Precipitation and Discharge Drive Increases in <i>Escherichia Coli</i> Concentrations in an Urban Stream. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
65	Microbial and chemical risk from reclaimed water use for residential irrigation. <i>Journal of Water Reuse and Desalination</i> , 2022, 12, 289-303.	2.3	4
66	Storm promotes the dissemination of antibiotic resistome in an urban lagoon through enhancing bio-interactions. <i>Environment International</i> , 2022, 168, 107457.	10.0	3
67	Storm accelerated subsurface <i>Escherichia coli</i> growth and exports to coastal waters. <i>Journal of Hazardous Materials</i> , 2023, 441, 129893.	12.4	1
68	Targeting current and future threats: recent methodological trends in environmental antimicrobial resistance research and their relationships to risk assessment. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1787-1802.	2.4	4
69	Sources and Drivers of ARGs in Urban Streams in Atlanta, Georgia, USA. <i>Microorganisms</i> , 2022, 10, 1804.	3.6	4
71	Fecal indicators and antibiotic resistance genes exhibit diurnal trends in the Chattahoochee River: Implications for water quality monitoring. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
72	Pathogens in Runoff Water Treated by a Sustainable Urban Drainage System in a Developing Country. <i>Environmental Processes</i> , 2023, 10, .	3.5	3
74	Simultaneous detection of various pathogenic <i>Escherichia coli</i> in water by sequencing multiplex PCR amplicons. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	0
75	Air bacteriological quality in Taha Al-Quran Education Park, Bima District. <i>Jurnal Pijar Mipa</i> , 2023, 18, 130-134.	0.2	0
76	Dissemination of antibiotic resistance genes through fecal sewage treatment facilities to the ecosystem in rural area. <i>Journal of Environmental Management</i> , 2023, 333, 117439.	7.8	5

#	ARTICLE	IF	CITATIONS
77	Estimating the effect of increasing ambient temperature on antimicrobial resistance in China: A nationwide ecological study with the difference-in-differences approach. <i>Science of the Total Environment</i> , 2023, 882, 163518.	8.0	2
78	Adding a Submerged Layer to the Stormwater Biofilter Design Could Increase Antibiotic Resistance Genes Concentration in the Effluent. <i>Journal of Environmental Engineering, ASCE</i> , 2023, 149, .	1.4	0
79	Precipitation and discharge changes drive increases in <i>Escherichia coli</i> concentrations in an urban stream. <i>Science of the Total Environment</i> , 2023, 886, 163892.	8.0	3
80	“At the end of the day, you need to do something” discourses on prioritization of stormwater solutions. <i>Frontiers in Sustainable Cities</i> , 0, 5, .	2.4	0
81	Augmented dissemination of antibiotic resistance elicited by non-antibiotic factors. <i>Ecotoxicology and Environmental Safety</i> , 2023, 262, 115124.	6.0	9
82	16S rRNA gene sequence analysis of the microbial community on microplastic samples from the North Atlantic and Great Pacific Garbage Patches. <i>African Journal of Microbiology Research</i> , 2023, 17, 123-138.	0.4	0
83	Antibiotic resistance in urban stormwater: a review of the dissemination of resistance elements, their impact, and management opportunities. <i>Environmental Science: Water Research and Technology</i> , 2023, 9, 2188-2212.	2.4	3
84	Municipal separate storm sewer system (MS4) dry weather flows and potential flow sources as assessed by conventional and advanced bacterial analyses. <i>Environmental Pollution</i> , 2023, 337, 122521.	7.5	0
85	Identifying sources of antibiotic resistance genes in the environment using the microbial Find, Inform, and Test framework. <i>Frontiers in Microbiology</i> , 0, 14, .	3.5	0
86	Fate and transport modelling for evaluating antibiotic resistance in aquatic environments: Current knowledge and research priorities. <i>Journal of Hazardous Materials</i> , 2024, 461, 132527.	12.4	1
87	Microbial Source Tracking: An Emerging Technology for Microbial Water Quality Assessment: A Review. <i>UMYU Journal of Microbiology Research</i> , 2023, 8, 109-121.	0.1	0
89	An Assessment of Human Opportunistic Pathogenic Bacteria on Daily Necessities in Nanjing City during Plum Rain Season. <i>Microorganisms</i> , 2024, 12, 260.	3.6	0
90	Contrary effects of increasing temperatures on the spread of antimicrobial resistance in river biofilms. <i>MSphere</i> , 2024, 9, .	2.9	0
91	Environmental drivers impact the accumulation and diversity of antibiotic resistance in green stormwater infrastructure. <i>Journal of Hazardous Materials</i> , 2024, 469, 133923.	12.4	0
92	Soil type and moisture content alter soil microbial responses to manure from cattle administered antibiotics. <i>Environmental Science and Pollution Research</i> , 2024, 31, 27259-27272.	5.3	0