

# Monika Harnisz

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

1,527  
citations

23  
h-index

38  
g-index

71  
ext. papers

2,151  
ext. citations

5.7  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
65	Antibiotic resistant <i>Escherichia coli</i> in hospital and municipal sewage and their emission to the environment. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 91, 96-102	7	185
64	Extended-spectrum beta-lactamase (ESBL)-positive Enterobacteriaceae in municipal sewage and their emission to the environment. <i>Journal of Environmental Management</i> , <b>2013</b> , 128, 904-11	7.9	110
63	Antimicrobial pharmaceuticals in the aquatic environment - occurrence and environmental implications. <i>European Journal of Pharmacology</i> , <b>2020</b> , 866, 172813	5.3	109
62	The impact of a freshwater fish farm on the community of tetracycline-resistant bacteria and the structure of tetracycline resistance genes in river water. <i>Chemosphere</i> , <b>2015</b> , 128, 134-41	8.4	90
61	Relationship between modification of activated sludge wastewater treatment and changes in antibiotic resistance of bacteria. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 304-315	10.2	77
60	The prevalence and characterization of antibiotic-resistant and virulent <i>Escherichia coli</i> strains in the municipal wastewater system and their environmental fate. <i>Science of the Total Environment</i> , <b>2017</b> , 577, 367-375	10.2	74
59	Small-scale wastewater treatment plants as a source of the dissemination of antibiotic resistance genes in the aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 121221	12.8	68
58	Prevalence of plasmid-mediated multidrug resistance determinants in fluoroquinolone-resistant bacteria isolated from sewage and surface water. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 10818-10831	5.1	60
57	Beta-lactamase-producing Enterobacteriaceae in hospital effluents. <i>Journal of Environmental Management</i> , <b>2013</b> , 123, 1-7	7.9	55
56	Inhibitors of the methane fermentation process with particular emphasis on the microbiological aspect: A review. <i>Energy Science and Engineering</i> , <b>2020</b> , 8, 1880-1897	3.4	41
55	The prevalence of multidrug-resistant <i>Aeromonas</i> spp. in the municipal wastewater system and their dissemination in the environment. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 377-383	10.2	41
54	Total resistance of native bacteria as an indicator of changes in the water environment. <i>Environmental Pollution</i> , <b>2013</b> , 174, 85-92	9.3	39
53	tet genes as indicators of changes in the water environment: relationships between culture-dependent and culture-independent approaches. <i>Science of the Total Environment</i> , <b>2015</b> , 505, 704-11	10.2	36
52	The impact of urban areas on the water quality gradient along a lowland river. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 624	3.1	35
51	Tetracycline-resistant bacteria as indicators of antimicrobial resistance in protected waters—the example of the Drwã River Nature Reserve (Poland). <i>Ecological Indicators</i> , <b>2011</b> , 11, 663-668	5.8	32
50	Sewage sludge in agriculture - the effects of selected chemical pollutants and emerging genetic resistance determinants on the quality of soil and crops - a review. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 214, 112070	7	32
49	Environmental fate of Bacteroidetes, with particular emphasis on <i>Bacteroides fragilis</i> group bacteria and their specific antibiotic resistance genes, in activated sludge wastewater treatment plants. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122544	12.8	32

48	Culture-Dependent and Culture-Independent Methods in Evaluation of Emission of Enterobacteriaceae from Sewage to the Air and Surface Water. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 4039-4046	2.6	31
47	The impact of WWTP size and sampling season on the prevalence of antibiotic resistance genes in wastewater and the river system. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140466	10.2	29
46	The emergence of antimicrobial resistance in environmental strains of the <i>Bacteroides fragilis</i> group. <i>Environment International</i> , <b>2019</b> , 124, 408-419	12.9	28
45	Impact of Peat Mining and Restoration on Methane Turnover Potential and Methane-Cycling Microorganisms in a Northern Bog. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	27
44	Intensification of biogas production using various technologies: A review. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 6240-6258	4.5	24
43	The prevalence of drug-resistant and virulent <i>Staphylococcus</i> spp. in a municipal wastewater treatment plant and their spread in the environment. <i>Environment International</i> , <b>2020</b> , 143, 105914	12.9	23
42	Environmental Risk and Risk of Resistance Selection Due to AntimicrobialsSOccurrence in Two Polish Wastewater Treatment Plants and Receiving Surface Water. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
41	Culturomics and metagenomics: In understanding of environmental resistome. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	21
40	Wastewater treatment plants as a reservoir of integrase and antibiotic resistance genes - An epidemiological threat to workers and environment. <i>Environment International</i> , <b>2021</b> , 156, 106641	12.9	21
39	Quantitative Occurrence of Antibiotic Resistance Genes among Bacterial Populations from Wastewater Treatment Plants Using Activated Sludge. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 387	2.6	20
38	Development of a new SLE-SPE-HPLC-MS/MS method for the determination of selected antibiotics and their transformation products in anthropogenically altered solid environmental matrices. <i>Science of the Total Environment</i> , <b>2020</b> , 726, 138071	10.2	15
37	Microbial quality of common carp and pikeperch fingerlings cultured in a pond fed with treated wastewater. <i>Ecological Engineering</i> , <b>2010</b> , 36, 466-470	3.9	13
36	Industrialization as a source of heavy metals and antibiotics which can enhance the antibiotic resistance in wastewater, sewage sludge and river water. <i>PLoS ONE</i> , <b>2021</b> , 16, e0252691	3.7	11
35	The occurrence of antibiotic-resistance genes in the Pilica River, Poland. <i>Ecohydrology and Hydrobiology</i> , <b>2020</b> , 20, 1-11	2.8	11
34	Biohydrogen production at low load of organic matter by psychrophilic bacteria. <i>Energy</i> , <b>2017</b> , 134, 1132-1139	7.1	10
33	Impact of type of wastewater treatment process on the antibiotic resistance of bacterial populations. <i>E3S Web of Conferences</i> , <b>2017</b> , 17, 00070	0.5	9
32	Microbial and chemical pollutants on the manure-crops pathway in the perspective of "One Health" holistic approach. <i>Science of the Total Environment</i> , <b>2021</b> , 785, 147411	10.2	9
31	Prevalence of Beta Lactamases Genes in Sewage and Sludge Treated in Mechanical-Biological Wastewater Treatment Plants. <i>Journal of Ecological Engineering</i> , <b>2019</b> , 20, 80-86	2	7

30	The Occurrence of Integrase Genes in Different Stages of Wastewater Treatment. <i>Journal of Ecological Engineering</i> , <b>2019</b> , 20, 39-45	2	7
29	Individual and Synergistic Effects of Metronidazole, Amoxicillin, and Ciprofloxacin on Methane Fermentation with Sewage Sludge. <i>Clean - Soil, Air, Water</i> , <b>2020</b> , 48, 1900281	1.6	7
28	Occurrence of Fluoroquinolones and Sulfonamides Resistance Genes in Wastewater and Sludge at Different Stages of Wastewater Treatment: A Preliminary Case Study. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5816	2.6	7
27	The effect of lake restoration by the hypolimnetic withdrawal method on the intensity of ambient odour. <i>Journal of Limnology</i> , <b>2016</b> ,	1.5	5
26	The Prevalence of tet(A) and tet(M) Tetracycline Resistance Genes in Municipal Wastewater. <i>Journal of Ecological Engineering</i> , <b>2019</b> , 20, 1-6	2	5
25	Catchment scale analysis of occurrence of antibiotic resistance genes in treated wastewater. <i>Ecology and Hydrobiology</i> , <b>2020</b> , 20, 12-20	2.8	5
24	Inhibition of Methane Fermentation by Antibiotics Introduced to Municipal Anaerobic Sludge. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 1274	0.3	5
23	Drug resistance in airborne bacteria isolated from waste management and wastewater treatment plants in Olsztyn. <i>E3S Web of Conferences</i> , <b>2019</b> , 100, 00066	0.5	4
22	The Impact of Antimicrobial Substances on the Methanogenic Community during Methane Fermentation of Sewage Sludge and Cattle Slurry. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 369	2.6	4
21	The Effect of Antibiotics on Mesophilic Anaerobic Digestion Process of Cattle Manure. <i>Energies</i> , <b>2021</b> , 14, 1125	3.1	4
20	The prevalence of virulence genes specific for Escherichia coli in wastewater samples from wastewater treatment plants with the activated sludge process. <i>E3S Web of Conferences</i> , <b>2018</b> , 44, 00133	0.5	3
19	Evaluation of anthropogenic pollution in river water based on the genetic diversity of <i>Aeromonas hydrophila</i> . <i>Archives of Environmental Protection</i> , <b>2012</b> , 38, 41-50		3
18	Isolation of anaerobic bacteria of the <i>Bacteroides fragilis</i> group from environmental samples. <i>E3S Web of Conferences</i> , <b>2019</b> , 100, 00058	0.5	2
17	Markers Specific to Group Bacteria as Indicators of Anthropogenic Pollution of Surface Waters. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
16	The occurrence of antibiotic-resistant bacteria, including <i>Escherichia coli</i> , in municipal wastewater and river water. <i>E3S Web of Conferences</i> , <b>2019</b> , 100, 00061	0.5	2
15	Suspect screening of antimicrobial agents transformation products in environmental samples development of LC-QTrap method running in pseudo MRM transitions. <i>Science of the Total Environment</i> , <b>2021</b> , 808, 152114	10.2	2
14	BACTEROIDES SPP. - CLINICAL SIGNIFICANCE, ANTIBIOTIC RESISTANCE AND IDENTIFICATION METHODS. <i>Postępy Mikrobiologii</i> , <b>2019</b> , 56, 67-76	0.4	2
13	Insights into the microbial diversity and structure in a full-scale municipal wastewater treatment plant with particular regard to Archaea. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250514	3.7	2

12	Sources, Occurrence, and Environmental Risk Assessment of Antibiotics and Antimicrobial-Resistant Bacteria in Aquatic Environments of Poland. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 179-193	0.8	2
11	The impact of antimicrobials on the efficiency of methane fermentation of sewage sludge, changes in microbial biodiversity and the spread of antibiotic resistance. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125773	12.8	2
10	The occurrence of specific markers of <i>Bacteroides fragilis</i> group, <i>B. dorei</i> and antibiotic-resistance genes in the wastewater treatment plants. <i>E3S Web of Conferences</i> , <b>2018</b> , 44, 00124	0.5	1
9	Characterization of carbapenem resistance in environmental samples and <i>Acinetobacter</i> spp. isolates from wastewater and river water in Poland.. <i>Science of the Total Environment</i> , <b>2022</b> , 153437	10.2	1
8	Antibiotic resistance in wastewater, does the context matter? Poland and Portugal as a case study. <i>Critical Reviews in Environmental Science and Technology</i> , 1-23	11.1	1
7	Detection of carbapenemase-producing, hypervirulent <i>Klebsiella</i> spp. in wastewater and their potential transmission to river water and WWTP employees. <i>International Journal of Hygiene and Environmental Health</i> , <b>2021</b> , 237, 113831	6.9	1
6	Metagenomics analysis of probable transmission of determinants of antibiotic resistance from wastewater to the environment - A case study.. <i>Science of the Total Environment</i> , <b>2022</b> , 827, 154354	10.2	1
5	Solar-light driven photodegradation of antimicrobials, their transformation by-products and antibiotic resistance determinants in treated wastewater.. <i>Science of the Total Environment</i> , <b>2022</b> , 155447	10.2	1
4	Structure of the manure resistome and the associated mobilome for assessing the risk of antimicrobial resistance transmission to crops. <i>Science of the Total Environment</i> , <b>2021</b> , 808, 152144	10.2	0
3	Long-Term, Simultaneous Impact of Antimicrobials on the Efficiency of Anaerobic Digestion of Sewage Sludge and Changes in the Microbial Community. <i>Energies</i> , <b>2022</b> , 15, 1826	3.1	0
2	Metagenomic Analysis of the Long-Term Synergistic Effects of Antibiotics on the Anaerobic Digestion of Cattle Manure. <i>Energies</i> , <b>2022</b> , 15, 1920	3.1	0
1	Monitoring of drug resistance amplification and attenuation with the use of tetracycline-resistant bacteria during wastewater treatment. <i>E3S Web of Conferences</i> , <b>2017</b> , 22, 00063	0.5	