

# Responses of antibiotic and heavy metal resistance genes in soil and vinegar during aerobic composting

Environmental Pollution

252, 1097-1105

DOI: [10.1016/j.envpol.2019.05.014](https://doi.org/10.1016/j.envpol.2019.05.014)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Microbial driven reduction of N <sub>2</sub> O and NH <sub>3</sub> emissions during composting: Effects of bamboo charcoal and bamboo vinegar. <i>Journal of Hazardous Materials</i> , 2020, 390, 121292.	6.5	85
2	Effects of nano-zerovalent iron on antibiotic resistance genes and mobile genetic elements during swine manure composting. <i>Environmental Pollution</i> , 2020, 258, 113654.	3.7	63
3	Pyrolygneous acid mitigated dissemination of antibiotic resistance genes in soil. <i>Environment International</i> , 2020, 145, 106158.	4.8	29
4	Microbial communities responded to tetracyclines and Cu(II) in constructed wetlands microcosms with <i>Myriophyllum aquaticum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111362.	2.9	23
5	Impacts of pile temperature on antibiotic resistance, metal resistance and microbial community during swine manure composting. <i>Science of the Total Environment</i> , 2020, 744, 140920.	3.9	54
6	Deciphering the role of calcium peroxide on the fate of antibiotic resistance genes and mobile genetic elements during bioelectrochemically-assisted anaerobic composting of excess dewatered sludge. <i>Chemical Engineering Journal</i> , 2020, 397, 125355.	6.6	20
7	Potential of <i>Myriophyllum aquaticum</i> for phytoremediation of water contaminated with tetracycline antibiotics and copper. <i>Journal of Environmental Management</i> , 2020, 270, 110867.	3.8	34
8	Elucidating the effect of microbial inoculum and ferric chloride as additives on the removal of antibiotic resistance genes from chicken manure during aerobic composting. <i>Bioresource Technology</i> , 2020, 309, 122802.	4.8	47
9	Metal resistance genes enrichment in marine biofilm communities selected by biocide-containing surfaces in temperate and tropical coastal environments. <i>Environmental Pollution</i> , 2021, 268, 115835.	3.7	15
10	Microbial mechanisms related to the effects of bamboo charcoal and bamboo vinegar on the degradation of organic matter and methane emissions during composting. <i>Environmental Pollution</i> , 2021, 272, 116013.	3.7	29
11	Can biochar regulate the fate of heavy metals (Cu and Zn) resistant bacteria community during the poultry manure composting?. <i>Journal of Hazardous Materials</i> , 2021, 406, 124593.	6.5	59
12	Metal Resistant Bacteria in Animal Manure Induces Bacterial Resistance to Antibiotics: Their Co-occurrence in Compost, Soil and Water. , 2021, , 23-32.		0
13	Composting Temperature Directly Affects the Removal of Antibiotic Resistance Genes and Mobile Genetic Elements in Livestock Manure. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
14	Effects of added calcium-based additives on swine manure derived biochar characteristics and heavy metals immobilization. <i>Waste Management</i> , 2021, 123, 69-79.	3.7	17
15	Environmental effects and risk control of antibiotic resistance genes in the organic solid waste aerobic composting system: A review. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	32
16	Enhanced control of sulfonamide resistance genes and host bacteria during thermophilic aerobic composting of cow manure. <i>Environmental Pollution</i> , 2021, 275, 116587.	3.7	53
17	Fate of antibiotic resistance genes and metal resistance genes during the thermophilic fermentation of solid and liquid swine manures in an ectopic fermentation system. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 111981.	2.9	22
18	Enhanced removal of antibiotic resistance genes and mobile genetic elements during swine manure composting inoculated with mature compost. <i>Journal of Hazardous Materials</i> , 2021, 411, 125135.	6.5	81

#	ARTICLE	IF	CITATIONS
19	Distribution of antibiotic-resistant bacteria in aerobic composting of swine manure with different antibiotics. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	16
20	Proliferation of antibiotic-resistant microorganisms and associated genes during composting: An overview of the potential impacts on public health, management and future. <i>Science of the Total Environment</i> , 2021, 784, 147191.	3.9	53
21	Additive quality influences the reservoir of antibiotic resistance genes during chicken manure composting. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112413.	2.9	22
22	Distribution of quinolone and macrolide resistance genes and their co-occurrence with heavy metal resistance genes in vegetable soils with long-term application of manure. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3343-3358.	1.8	7
23	Effects of further composting black soldier fly larvae manure on toxic metals and resistant bacteria communities by cornstalk amendment. <i>Science of the Total Environment</i> , 2022, 806, 150699.	3.9	26
24	Biochar and Hyperthermophiles as Additives Accelerate the Removal of Antibiotic Resistance Genes and Mobile Genetic Elements during Composting. <i>Materials</i> , 2021, 14, 5428.	1.3	16
25	Copper stimulates the incidence of antibiotic resistance, metal resistance and potential pathogens in the gut of black soldier fly larvae. <i>Journal of Environmental Sciences</i> , 2021, 107, 150-159.	3.2	10
26	Key factors driving the fate of antibiotic resistance genes and controlling strategies during aerobic composting of animal manure: A review. <i>Science of the Total Environment</i> , 2021, 791, 148372.	3.9	73
27	Individual and combined applications of biochar and pyroligneous acid mitigate dissemination of antibiotic resistance genes in agricultural soil. <i>Science of the Total Environment</i> , 2021, 796, 148962.	3.9	37
28	Variations in antibiotic resistance genes and removal mechanisms induced by C/N ratio of substrate during composting. <i>Science of the Total Environment</i> , 2021, 798, 149288.	3.9	27
29	Responses of bacterial communities and antibiotic resistance genes to nano-cellulose addition during pig manure composting. <i>Journal of Environmental Management</i> , 2021, 300, 113734.	3.8	10
30	Fate of antibiotic resistance genes in industrial-scale rapid composting of pharmaceutical fermentation residue: The role implications of microbial community structure and mobile genetic elements. <i>Environmental Pollution</i> , 2021, 291, 118155.	3.7	18
31	Response of antibiotic resistance to the co-exposure of sulfamethoxazole and copper during swine manure composting. <i>Science of the Total Environment</i> , 2022, 805, 150086.	3.9	28
32	Effects of Heavy Metals Pollution on the Co-Selection of Metal and Antibiotic Resistance in Urban Rivers in UK and India. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
33	Co-Existence and Proliferation of Heavy Metal and Antibiotic Resistance in Urban Sewage Treatment Plants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
34	Co-selective Pressure of Cadmium and Doxycycline on the Antibiotic and Heavy Metal Resistance Genes in Ditch Wetlands. <i>Frontiers in Microbiology</i> , 2022, 13, 820920.	1.5	3
35	Composting temperature directly affects the removal of antibiotic resistance genes and mobile genetic elements in livestock manure. <i>Environmental Pollution</i> , 2022, 303, 119174.	3.7	42
36	Insight into soilless revegetation of oligotrophic and heavy metal contaminated gold tailing pond by metagenomic analysis. <i>Journal of Hazardous Materials</i> , 2022, 435, 128881.	6.5	15

#	ARTICLE	IF	CITATIONS
37	Effects of heavy metals pollution on the co-selection of metal and antibiotic resistance in urban rivers in UK and India. <i>Environmental Pollution</i> , 2022, 306, 119326.	3.7	34
38	The Addition of Biochar and Hyper-Thermal Inoculum Can Regulate the Fate of Heavy Metals Resistant Bacterial Communities during the Livestock Manure Composting. <i>Fermentation</i> , 2022, 8, 207.	1.4	1
39	Dynamics and key drivers of antibiotic resistance genes during aerobic composting amended with plant-derived and animal manure-derived biochars. <i>Bioresource Technology</i> , 2022, 355, 127236.	4.8	17
40	The effects of biochar on antibiotic resistance genes (ARGs) removal during different environmental governance processes: A review. <i>Journal of Hazardous Materials</i> , 2022, 435, 129067.	6.5	67
41	Effects of different additives and aerobic composting factors on heavy metal bioavailability reduction and compost parameters: A meta-analysis. <i>Environmental Pollution</i> , 2022, 307, 119549.	3.7	11
42	Effects of heavy metals on the development and proliferation of antibiotic resistance in urban sewage treatment plants. <i>Environmental Pollution</i> , 2022, 308, 119649.	3.7	14
43	Effect of superphosphate addition on heavy metals speciation and microbial communities during composting. <i>Bioresource Technology</i> , 2022, 359, 127478.	4.8	15
44	Effects of Pyrolytic Acid on Diversity and Dynamics of Antibiotic Resistance Genes in Alfalfa Silage. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	7
45	Heavy Metal and Antibiotic Resistance in Four Indian and UK Rivers with Different Levels and Types of Water Pollution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
46	Heavy metal and antibiotic resistance in four Indian and UK rivers with different levels and types of water pollution. <i>Science of the Total Environment</i> , 2023, 857, 159059.	3.9	26
47	The source, fate and prospect of antibiotic resistance genes in soil: A review. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	11
48	Sensitive response mechanism of ARGs and MGEs to initial designed temperature during swine manure and food waste co-composting. <i>Environmental Research</i> , 2023, 216, 114513.	3.7	5
49	Effects of heavy metals and antibiotics on antibiotic resistance genes and microbial communities in soil. <i>Chemical Engineering Research and Design</i> , 2023, 169, 418-427.	2.7	20
50	Evaluating the occurrence frequency of horizontal gene transfer induced by different degrees of heavy metal stress. <i>Journal of Cleaner Production</i> , 2023, 382, 135371.	4.6	10
51	Metagenomic insights into role of red mud in regulating fate of compost antibiotic resistance genes mediated by both direct and indirect ways. <i>Environmental Pollution</i> , 2023, 317, 120795.	3.7	10
52	Hormetic Effect of Pyrolytic Acids on Conjugative Transfer of Plasmid-mediated Multi-antibiotic Resistance Genes within Bacterial Genus. <i>ACS Environmental Au</i> , 2023, 3, 105-120.	3.3	4
53	Profiles and key drivers of bacteria/phage co-mediated antibiotic resistance genes during swine manure composting amended with humic acid. <i>Bioresource Technology</i> , 2023, 374, 128721.	4.8	2