

Water Reuse: From Ancient to Modern Times and the Fu

Frontiers in Environmental Science

6,

DOI: [10.3389/fenvs.2018.00026](https://doi.org/10.3389/fenvs.2018.00026)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Flow cytometric fingerprinting to assess the microbial community response to changing water quality and additives. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1672-1682.	1.2	7
2	Reclaimed water for the irrigation of vineyards: Mexico and South Africa as case studies. <i>Sustainable Cities and Society</i> , 2019, 51, 101769.	5.1	26
3	Integrated nutrient recovery from source-separated domestic wastewaters for application as fertilisers. <i>Current Opinion in Environmental Sustainability</i> , 2019, 40, 7-13.	3.1	30
4	Fecal Source Tracking in A Wastewater Treatment and Reclamation System Using Multiple Waterborne Gastroenteritis Viruses. <i>Pathogens</i> , 2019, 8, 170.	1.2	5
5	Integrated wastewater management: The future of water reuse in large metropolitan areas. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 160-163.	1.6	8
6	Innovative application of biobed bioremediation systems to remove emerging contaminants: Adsorption, degradation and bioaccessibility. <i>Science of the Total Environment</i> , 2019, 651, 990-997.	3.9	32
7	Transcriptomic analysis of HepG2 cells exposed to fractionated wastewater effluents suggested humic substances as potential inducer of whole effluent toxicity. <i>Chemosphere</i> , 2020, 240, 124894.	4.2	9
8	Assessment of agricultural land suitability for irrigation with reclaimed water using geospatial multi-criteria decision analysis. <i>Agricultural Water Management</i> , 2020, 231, 105987.	2.4	57
9	Wastewater reuse in Turkey: from present status to future potential. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 73-82.	1.0	12
10	Review of Circular Economy in urban water sector: Challenges and opportunities in India. <i>Journal of Environmental Management</i> , 2020, 271, 111010.	3.8	75
11	Protecting the sewershed. <i>Science</i> , 2020, 369, 1429-1430.	6.0	6
12	Evolution of urban waste- and storm-water management in the region of Crete, Greece: A preliminary assessment. <i>Water Science and Technology</i> , 2020, 81, 2281-2290.	1.2	1
13	A Mini-Review of Urban Wastewater Treatment in Greece: History, Development and Future Challenges. <i>Sustainability</i> , 2020, 12, 6133.	1.6	11
14	Reuse of Treated Wastewater: From Technical Innovation to Legitimization. , 2020, , .		3
15	A modelling approach to assess wastewater reuse potential for Delhi city. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 1716-1725.	1.0	5
16	Global Perspectives on Water Reuse: North America and India. <i>Journal - American Water Works Association</i> , 2020, 112, 62-68.	0.2	1
17	Transformation and sustainable development of sanitary engineering systems in the cities of the future. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 775, 012099.	0.3	1
18	Worldwide Regulations and Guidelines for Agricultural Water Reuse: A Critical Review. <i>Water (Switzerland)</i> , 2020, 12, 971.	1.2	106

#	ARTICLE	IF	CITATIONS
19	Water reuse: A resource for Mediterranean agriculture. , 2020, , 107-136.		13
20	Challenges and Opportunities for Sustainable Management of Water Resources in the Island of Crete, Greece. <i>Water (Switzerland)</i> , 2020, 12, 1538.	1.2	36
21	Similarities of Minoan and Indus Valley Hydro-Technologies. <i>Sustainability</i> , 2020, 12, 4897.	1.6	16
22	Modeling Spatial Risk of Diarrheal Disease Associated with Household Proximity to Untreated Wastewater Used for Irrigation in the Mezquital Valley, Mexico. <i>Environmental Health Perspectives</i> , 2020, 128, 77002.	2.8	7
23	<i>Bacteroides</i> spp. and traditional fecal indicator bacteria in water quality assessment – An integrated approach for hydric resources management in urban centers. <i>Journal of Environmental Management</i> , 2020, 271, 110989.	3.8	13
24	Reuse of ultrafiltered effluents for crop irrigation: On-site flow cytometry unveiled microbial removal patterns across a full-scale tertiary treatment. <i>Science of the Total Environment</i> , 2020, 718, 137298.	3.9	12
25	Groundwater recharge sites and pollution sources in the wine-producing Guadalupe Valley (Mexico): Restrictions and mixing prior to transfer of reclaimed water from the US-Mexico border. <i>Science of the Total Environment</i> , 2020, 713, 136715.	3.9	13
26	Evaluating the health risks of heavy metals from vegetables grown on soil irrigated with untreated and treated wastewater in Arba Minch, Ethiopia. <i>Science of the Total Environment</i> , 2021, 761, 143302.	3.9	62
27	<i>Bacillus amyloliquefaciens</i> application to prevent biofilms in reclaimed water microirrigation systems*. <i>Irrigation and Drainage</i> , 2021, 70, 4-15.	0.8	5
28	Virus removal by membrane bioreactors: A review of mechanism investigation and modeling efforts. <i>Water Research</i> , 2021, 188, 116522.	5.3	26
29	Ancient settlements-atavistic solutions for present water supply and drainage problems engendered by urbanism. <i>Environment, Development and Sustainability</i> , 2021, 23, 8076-8088.	2.7	3
30	Peracetic Acid in the Reuse of Treated Wastewaters. , 2021, , 279-294.		1
31	Developing a Multicriteria Decision Analysis Framework to Evaluate Reclaimed Wastewater Use for Agricultural Irrigation: The Case Study of Maryland. <i>Hydrology</i> , 2021, 8, 4.	1.3	7
32	Water Treatment from Fiqh and Science Perspectives. , 2021, , 311-323.		0
33	3D Printing Technology in the Environment. <i>Environmental and Microbial Biotechnology</i> , 2021, , 131-160.	0.4	2
34	Hydrometeorology: Review of Past, Present and Future Observation Methods. , 0, , .		1
35	Fate of Macrolide Antibiotics with Different Wastewater Treatment Technologies. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 103.	1.1	14
36	The Effect of Wastewater Treatment Methods on the Retainment of Plastic Microparticles. , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	A Critical Review of Applications of QMRA for Healthy and Safe Reclaimed Water Management. <i>Environmental Modeling and Assessment</i> , 2021, 26, 339-354.	1.2	4
38	Making Waves: Why water reuse frameworks need to co-evolve with emerging small-scale technologies. <i>Water Research X</i> , 2021, 11, 100094.	2.8	15
39	What factors affect the selection of industrial wastewater treatment configuration?. <i>Journal of Environmental Management</i> , 2021, 285, 112099.	3.8	14
40	Treated Wastewater Irrigationâ€”A Review. <i>Water (Switzerland)</i> , 2021, 13, 1527.	1.2	67
41	A review of wastewater irrigation: Environmental implications. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105454.	5.3	105
42	Interplay of Biologically Active Carbon Filtration and Chlorine-Based Disinfection in Mitigating the Dissemination of Antibiotic Resistance Genes in Water Reuse Distribution Systems. <i>Environmental Science &amp; Technology</i> , 2021, 55, 8329-8340.	4.6	17
43	Wastewater reuse for crop irrigation: Crop yield, soil and human health implications based on giardiasis epidemiology. <i>Science of the Total Environment</i> , 2021, 775, 145833.	3.9	48
44	Perspective on Land Treatment and Wastewater Reuse for Agriculture in the Western United States. <i>Water (Switzerland)</i> , 2021, 13, 1822.	1.2	4
45	Decision Behavior of Different Participants in Industrial Water Recycling and the Sharing of Water Recycling Value. <i>Journal of the American Water Resources Association</i> , 2021, 57, 602-609.	1.0	1
46	Biocomputational Architecture Based on Particle Physics. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	2
47	Bacterial community assembly and antibiotic resistance genes in the lettuce-soil system upon antibiotic exposure. <i>Science of the Total Environment</i> , 2021, 778, 146255.	3.9	30
48	The Role of Sustainable Communication on Human Behavior on Recycling: A Case of Turkey. <i>Erciyes Ã°letim Dergisi</i> , 2021, 8, 471-491.	0.1	0
49	Desalination: From Ancient to Present and Future. <i>Water (Switzerland)</i> , 2021, 13, 2222.	1.2	31
50	Trends in global greywater reuse: a bibliometric analysis. <i>Water Science and Technology</i> , 2021, 84, 3257-3276.	1.2	8
51	Development of water reuse: a global review with the focus on India. <i>Water Science and Technology</i> , 2021, 84, 3172-3190.	1.2	9
52	Trace endotoxin in reclaimed water is only one of the risk sources in subchronic inhalation exposure. <i>Environmental Pollution</i> , 2021, 285, 117479.	3.7	6
53	Evaluation of three different concentration and extraction methods for recovery efficiency of human adenovirus and human rotavirus virus A. <i>Journal of Virological Methods</i> , 2021, 295, 114212.	1.0	8
54	Toward Zero Hunger Through Coupled Ecological Sanitation-Agriculture Systems. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	7

#	ARTICLE	IF	CITATIONS
55	Impact of combined chlorine and UV technology on the bacterial diversity, antibiotic resistance genes and disinfection by-products in treated sewage. <i>Bioresource Technology</i> , 2021, 339, 125615.	4.8	25
56	Wastewater reuse for agricultural irrigation in Greece: Review of guidelines under the prism of the latest European Union's policy developments. , 2022, , 49-62.		2
57	Transcriptomic response of HepG2 cells exposed to three common anti-inflammatory drugs: Ketoprofen, mefenamic acid, and diclofenac in domestic wastewater effluents. <i>Chemosphere</i> , 2022, 286, 131715.	4.2	3
58	Assessment of agricultural drainage water reuse for irrigation in El-Behira Governorate, Egypt. <i>Water Science</i> , 2021, 35, 135-153.	0.5	6
59	Natural Processes and Anthropogenic Activity in the Indus River Sedimentary Environment in Pakistan: A Critical Review. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1109.	1.2	19
60	Insights into Gastrointestinal Virome: Etiology and Public Exposure. <i>Water (Switzerland)</i> , 2021, 13, 2794.	1.2	5
61	Digitalisation for Water Sustainability: Barriers to Implementing Circular Economy in Smart Water Management. <i>Sustainability</i> , 2021, 13, 11868.	1.6	17
62	Global water shortage and potable water safety; Today's concern and tomorrow's crisis. <i>Environment International</i> , 2022, 158, 106936.	4.8	199
63	Review on Mixture Toxicity of Pharmaceuticals in Environmental Waters and Wastewater Effluents. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 105-126.	0.3	0
64	Specialty Grand Challenge: Water and the Built Environment. <i>Frontiers in Water</i> , 2020, 2, .	1.0	0
65	Simulated Modelling, Design, and Performance Evaluation of a Pilot-Scale Trickling Filter System for Removal of Carbonaceous Pollutants from Domestic Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 3210.	1.2	3
66	How Does Digitization Succeed in the Municipal Water Sector? The WaterExe4.0 Meta-Study Identifies Barriers as well as Success Factors, and Reveals Expectations for the Future. <i>Energies</i> , 2021, 14, 7709.	1.6	7
67	Numerical modeling of changes in groundwater storage and nitrate load in the unconfined aquifer near a river receiving reclaimed water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 36100-36114.	2.7	2
68	Unconventional Water Resources: Global Opportunities and Challenges. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
69	Recent advances in magnetic composites as adsorbents for wastewater remediation. <i>Journal of Environmental Management</i> , 2022, 306, 114483.	3.8	80
70	Microbial biomass for sustainable remediation of wastewater. , 2022, , 271-292.		2
71	Microalgae-based technologies for circular wastewater treatment. , 2022, , 81-112.		2
72	Wastewater reuse for irrigation of produce: A review of research, regulations, and risks. <i>Science of the Total Environment</i> , 2022, 828, 154385.	3.9	36

#	ARTICLE	IF	CITATIONS
73	Growth Development, Physiological Status and Water Footprint Assessment of Nursery Young Olive Trees ( <i>Olea europaea</i> L. "Konservolea"™) Irrigated with Urban Treated Wastewater. <i>Resources</i> , 2022, 11, 40.	1.6	1
74	Water reuse in Brazilian rice farming: Application of semiquantitative microbiological risk assessment. <i>Water Cycle</i> , 2022, 3, 56-64.	2.1	7
76	Water reuse in industries: analysis of opportunities in the Para�ba do Sul river basin, a case study in Presidente Vargas Plant, Brazil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 66085-66099.	2.7	3
77	An�lise quantitativa de �guas cinza em um condom�nio residencial. <i>Engenharia Sanitaria E Ambiental</i> , 2022, 27, 413-421.	0.1	1
78	Paper industry wastewater treatment by electrocoagulation and aspect of sludge management. <i>Journal of Cleaner Production</i> , 2022, 360, 131970.	4.6	16
80	Chlorine disinfection reduces the exposure risks of inhaled reclaimed water. <i>Environmental Chemistry Letters</i> , 2022, 20, 3397-3403.	8.3	2
81	Safe water reuse through a quasi-natural water cycle. <i>Journal of Water Reuse and Desalination</i> , 2022, 12, 366-372.	1.2	4
82	European Union's policymaking on sustainable waste management and circularity in agroecosystems: The potential for innovative interactions between science and decision-making. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	6
83	Potential Biorisks of <i>Cryptosporidium</i> spp. and <i>Giardia</i> spp. from Reclaimed Water and Countermeasures. <i>Current Pollution Reports</i> , 2022, 8, 456-476.	3.1	1
84	Semiquantitative microbiological risk assessment for water reuse in agriculture: a case study in Brazil. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 7375-7386.	1.0	1
85	Solar photocatalytic degradation of total organic halogen in water using TiO2 catalyst. <i>Chemosphere</i> , 2022, 308, 136206.	4.2	4
86	Non-potable water reuse: legal aspects, urban and agricultural use, and emerging technologies for the production of water for reuse Technical Note 1 " Interest topics. , 2022, 2, 5-14.		0
87	Technical Note 2 - Legal aspects of water reuse serving as a guideline for institutionalizing this practice in Brazil. , 2022, 2, 15-27.		0
88	Exploring Biblioshiny for Historical Assessment of Global Research on Sustainable Use of Water in Agriculture. <i>Sustainability</i> , 2022, 14, 10651.	1.6	16
89	The Role of Built Heritage for Sustainable Development Goals: From Statement to Action. <i>Heritage</i> , 2022, 5, 2444-2464.	0.9	13
91	Evolution of Water Technologies and Corresponding Philosophy and Sciences Focusing on the Hellenic World through the Millennia. <i>Water (Switzerland)</i> , 2022, 14, 3149.	1.2	2
92	Mitigating the Impacts of Drought via Wastewater Conversion to Energy, Nutrients, Raw Materials, Food, and Potable Water. <i>Advances in Science, Technology and Innovation</i> , 2022, , 45-60.	0.2	1
93	The perspective of a smart city by endorsing the nexus Bermuda triangle with the risk assessment of polluted water reuse in integrated water and food security management: the case of Semnan, Iran. <i>Journal of Water Reuse and Desalination</i> , 2022, 12, 403-419.	1.2	1

#	ARTICLE	IF	CITATIONS
94	Wastewater Management: From Ancient Greece to Modern Times and Future. <i>Water (Switzerland)</i> , 2023, 15, 43.	1.2	9
95	Application of the Human Viral Surrogate Pepper Mild Mottle Virus for Wastewater Fecal Pollution Management. <i>Water (Switzerland)</i> , 2022, 14, 4033.	1.2	2
96	Appraisal of climate change and source of heavy metals, sediments in water of the Kunhar River watershed, Pakistan. <i>Natural Hazards</i> , 0, , .	1.6	4
97	Climate change adaptation exertions on the use of alternative water resources in Antalya, TÃ¼rkiye. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	4
98	Bioremediation and Biofuel Production Using Microalgae. <i>Wetlands: Ecology, Conservation and Management</i> , 2023, , 155-174.	0.0	0
99	Sensor setpoints that ensure compliance with microbial water quality targets for membrane bioreactor and chlorination treatment in on-site water reuse systems. <i>Water Research X</i> , 2023, 18, 100164.	2.8	3
100	Impact of precursor chelation on tantalum based nanoparticles for removal of dye from water. <i>Materials Today: Proceedings</i> , 2023, 78, 173-178.	0.9	0
101	Life cycle sustainability assessment of advanced treatment techniques for urban wastewater reuse and sewage sludge resource recovery. <i>Science of the Total Environment</i> , 2023, 869, 161771.	3.9	16
102	Leveraging green infrastructure for efficient treatment of reclaimed water. <i>Science of the Total Environment</i> , 2023, 872, 162232.	3.9	2
103	Hydrogen production from water industries for a circular economy. <i>Desalination</i> , 2023, 554, 116448.	4.0	19
104	Water reuse in the frame of circular economy. , 2023, , 221-266.		0
114	Circular economy approaches for water reuse and emerging contaminant mitigation: innovations in water treatment. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	0