## An overview of principles of odor production, emission wastewater collection and treatment systems

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**Citation Report** 

#	ARTICLE	IF	CITATIONS
1	Enhanced deodorization and sludge reduction in situ by a humus soil cooperated anaerobic/anoxic/oxic (A2O) wastewater treatment system. Environmental Science and Pollution Research, 2016, 23, 15963-15969.	2.7	5
2	Characteristics of odors emitted from municipal wastewater treatment plant and methods for their identification and deodorization techniques. Environmental Research, 2016, 151, 573-586.	3.7	105
3	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. Bioresource Technology, 2016, 222, 498-512.	4.8	171
4	An overview of biological processes and their potential for CO 2 capture. Journal of Environmental Management, 2016, 183, 41-58.	3.8	85
5	Ammonia-nitrogen removal from urban drainage using modified fresh empty fruit bunches: A case study in Kota Kinabalu, Sabah. IOP Conference Series: Earth and Environmental Science, 2016, 36, 012055.	0.2	5
6	Release of hydrogen sulfide in a sewer system under intermittent flow conditions: the Ericeira case study, in Portugal. Water Science and Technology, 2017, 75, 1702-1711.	1.2	10
7	Mesoporous Carbon Beads Impregnated with Transition Metal Chlorides for Regenerative Removal of Ammonia in the Atmosphere. Industrial & Engineering Chemistry Research, 2017, 56, 3283-3290.	1.8	12
8	An overview on production and application of ferrate (VI) for chemical oxidation, coagulation and disinfection of water and wastewater. Journal of Environmental Chemical Engineering, 2017, 5, 1828-1842.	3.3	93
9	Application of photosynthetic bacteria for removal of heavy metals, macro-pollutants and dye from wastewater: A review. Journal of Water Process Engineering, 2017, 19, 312-321.	2.6	65
10	Odor emissions from domestic wastewater: A review. Critical Reviews in Environmental Science and Technology, 2017, 47, 1581-1611.	6.6	83
11	A method of olfactory display: Odor characterization and reproduction. , 2017, , .		2
12	Sulfide removal and sulfur production in a membrane aerated biofilm reactor: Model evaluation. Chemical Engineering Journal, 2017, 309, 454-462.	6.6	49
13	Identification of a yeast strain able to oxidize and remove sulfide high efficiently. Applied Microbiology and Biotechnology, 2017, 101, 391-400.	1.7	9
14	DISTINCTIVE ODORS. , 2017, , 23-33.		0
15	Assessment of sulfide production in a full scale wastewater sludge rising main. Journal of Environmental Management, 2018, 209, 505-514.	3.8	4
16	Characterization of odorous gases at landfill site and in surrounding areas. Journal of Environmental Management, 2018, 206, 291-303.	3.8	42
17	A solid composite microbial inoculant for the simultaneous removal of volatile organic sulfide compounds: Preparation, characterization, and its bioaugmentation of a biotrickling filter. Journal of Hazardous Materials, 2018, 342, 589-596.	6.5	25
18	Release of hydrogen sulfide under intermittent flow conditions – the potential of simulation models. Water Science and Technology, 2018, 77, 777-787.	1.2	8

#	Article	IF	CITATIONS
19	Reviewing microbial electrical systems and bacteriophage biocontrol as targeted novel treatments for reducing hydrogen sulfide emissions in urban sewer systems. Reviews in Environmental Science and Biotechnology, 2018, 17, 749-764.	3.9	4
20	The Testing of Standard and Recyclable Filter Media to Eliminate Hydrogen Sulphide from Sewerage Systems. Water (Switzerland), 2018, 10, 689.	1.2	7
21	Current status and perspectives on anaerobic co-digestion and associated downstream processes. Environmental Science: Water Research and Technology, 2018, 4, 1759-1770.	1.2	36
22	Current Status and Outlook of Odor Removal Technologies in Wastewater Treatment Plant. Waste and Biomass Valorization, 2019, 10, 1443-1458.	1.8	54
23	Odours in Sewerage—A Description of Emissions and of Technical Abatement Measures. Environments - MDPI, 2019, 6, 89.	1.5	22
24	Environmental odour management by artificial neural network – A review. Environment International, 2019, 133, 105189.	4.8	67
25	Influence of Intermittence and Pressure Differentials in Hydrogen Sulfide Concentration in a Gravity Sewer. Water (Switzerland), 2019, 11, 1780.	1.2	7
26	Odour nuisance assessment of the food industry wastewater treatment plant. E3S Web of Conferences, 2019, 100, 00024.	0.2	2
27	Removal, potential reaction pathways, and overall cost analysis of various pollution parameters and toxic odor compounds from the effluents of turkey processing plant using TiO2–assisted UV/O3 process. Journal of Environmental Management, 2019, 248, 109298.	3.8	11
28	Sustainable modulation of anaerobic malodorous black water: The interactive effect of oxygen-loaded porous material and submerged macrophyte. Water Research, 2019, 160, 70-80.	5.3	32
29	Evaluation of Health Hazard Due to Emission of Volatile Organic Compounds from Various Processing Units of Wastewater Treatment Plant. International Journal of Environmental Research and Public Health, 2019, 16, 1712.	1.2	42
30	Characteristics and mechanism of dimethyl trisulfide formation during sulfide control in sewer by adding various oxidants. Science of the Total Environment, 2019, 673, 719-725.	3.9	10
31	Field investigation of temporal variation of volatile organic compounds at a landfill in Hangzhou, China. Environmental Science and Pollution Research, 2019, 26, 18162-18180.	2.7	31
32	Photocatalytic Application of Ag/TiO2 Hybrid Nanoparticles. , 2019, , 373-394.		2
33	Investigation of non-community stakeholders regarding community engagement and environmental malodour. Science of the Total Environment, 2019, 665, 546-556.	3.9	4
34	Technical and economic investigation of chemical scrubber and bio-filtration in removal of H2S and NH3 from wastewater treatment plant. Journal of Environmental Management, 2019, 241, 32-43.	3.8	42
35	Evaluation of the treatability of various odor compounds by powdered activated carbon. Water Research, 2019, 156, 414-424.	5.3	38
36	Permeability and adsorption effects for volatile sulphur compounds in Nalophan sampling bags: Stability influenced by storage time, Biosystems Engineering, 2019, 188, 217-228	1.9	9

CITATION REPORT

#	Article	IF	CITATIONS
37	Oxidation of ethanethiol in aqueous alkaline solution by ferrate(VI): Kinetics, stoichiometry and mechanism. Chemical Engineering Journal, 2019, 361, 1557-1564.	6.6	11
38	Methods of assaying volatile oxygenated organic compounds in effluent samples by gas chromatography—A review. Journal of Chromatography A, 2019, 1592, 143-160.	1.8	62
39	Degradation of refractory pollutants by hydrodynamic cavitation: Key parameters to degradation rates. Journal of Hydrodynamics, 2019, 31, 848-856.	1.3	10
40	Spatial and temporal evaluation of H2S, SO2 and NH3 concentrations near Cerro Prieto geothermal power plant in Mexico. Atmospheric Pollution Research, 2020, 11, 94-104.	1.8	8
41	Integrated model for estimating odor emissions from civil wastewater treatment plants. Environmental Science and Pollution Research, 2020, 27, 3992-4007.	2.7	11
42	Sustainable Reduction of the Odor Impact of Painting Wooden Products for Interior Design. Applied Sciences (Switzerland), 2020, 10, 8124.	1.3	1
43	Upstream Natural Pulsed Ventilation: A simple measure to control the sulfide and methane production in gravity sewer. Science of the Total Environment, 2020, 742, 140579.	3.9	6
44	Characteristics of Ammonia Oxidation in a Dielectric Barrier Discharge Reactor. IEEE Transactions on Plasma Science, 2020, 48, 3616-3620.	0.6	2
45	Spatiotemporal variation of odor-active VOCs in Thessaloniki, Greece: implications for impacts from industrial activities. Environmental Science and Pollution Research, 2021, 28, 59091-59104.	2.7	7
46	Current understanding on microbiologically induced corrosion of concrete in sewer structures: a review of the evaluation methods and mitigation measures. Construction and Building Materials, 2020, 247, 118539.	3.2	44
47	Identifying the function of activated carbon surface chemical properties in the removability of two common odor compounds. Water Research, 2020, 178, 115797.	5.3	21
48	Recent advances in photocatalytic removal of organic and inorganic pollutants in air. Journal of Cleaner Production, 2021, 278, 123895.	4.6	103
49	Effects of activated carbon on the in-situ control of odorous gases emitted from anaerobic digestion of food waste and the microbial community response. Environmental Technology and Innovation, 2021, 21, 101170.	3.0	7
50	Real-time foul sewer hydraulic modelling driven by water consumption data from water distribution systems. Water Research, 2021, 188, 116544.	5.3	16
51	Integral evaluation of granular activated carbon at four stages of a full-scale WWTP deodorization system. Science of the Total Environment, 2021, 754, 142237.	3.9	12
52	Chlorine and peracetic acid in decentralized wastewater treatment: Disinfection, oxidation and odor control. Chemical Engineering Research and Design, 2021, 146, 620-628.	2.7	24
53	Modeling sulfide production in full flow concrete sewers based on the HRT variation of sewerage. Water Science and Technology, 2021, 83, 2063-2074.	1.2	3
54	A critical review on geosmin and 2-methylisoborneol in water: sources, effects, detection, and removal techniques. Environmental Monitoring and Assessment, 2021, 193, 204.	1.3	32

CITATION REPORT

#	Article	IF	CITATIONS
55	Estimation of greenhouse gas and odour emissions from a cold region municipal biological nutrient removal wastewater treatment plant. Journal of Environmental Management, 2021, 281, 111864.	3.8	22
56	Concrete corrosion in wastewater systems: Prediction and sensitivity analysis using advanced extreme learning machine. Frontiers of Structural and Civil Engineering, 2021, 15, 444-460.	1.2	10
57	Application of Olfactometry to Assess the Anti-Odor Properties of Filtering Facepiece Respirators Containing Activated Carbon Nonwovens. International Journal of Environmental Research and Public Health, 2021, 18, 8157.	1.2	0
58	Occurrence, impacts, and microbial transformation of 3-methylindole (skatole): A critical review. Journal of Hazardous Materials, 2021, 416, 126181.	6.5	25
59	Simultaneous hydrogen sulfide removal and wastewater purification in a novel alum sludge-based odor-gas aerated biofilter. Chemical Engineering Journal, 2021, 419, 129558.	6.6	13
60	Water quality modeling in sewer networks: Review and future research directions. Water Research, 2021, 202, 117419.	5.3	35
61	Foul sewer model development using geotagged information and smart water meter data. Water Research, 2021, 204, 117594.	5.3	5
62	Biomass in biogas production: Pretreatment and codigestion. Renewable and Sustainable Energy Reviews, 2021, 150, 111509.	8.2	101
63	Greenhouse gas emission estimation from municipal wastewater using a hybrid approach of generative adversarial network and data-driven modelling. Science of the Total Environment, 2021, 800, 149508.	3.9	9
64	An innovative biofilter technology for reducing environmental spreading of emerging pollutants and odour emissions during municipal sewage treatment. Science of the Total Environment, 2022, 803, 149966.	3.9	10
65	Wastewater treatment systems and power generation. , 2021, , 321-348.		0
66	Comparison of Reactive Blue 203 Dye Removal Using Ultraviolet Irradiation, Ferrate (VI) Oxidation Process and MgO Nanoparticles. Avicenna Journal of Environmental Health Engineering, 2018, 5, 78-90.	0.3	4
67	Hydrogen sulfide and organic compounds removal in municipal wastewater using ferrate (VI) and ultraviolet radiation. Environmental Health Engineering and Management, 2017, 4, 7-14.	0.3	6
68	CHARACTERIZATION OF ODOROUS EMISSIONS FROM A CIVIL WASTEWATER TREATMENT PLANT IN ITALY. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	1
69	Removal of H2S and COD Using UV, Ferrate and UV/Ferrate from Municipal Wastewater. Journal of Human, Environment, and Health Promotion, 2016, 2, 1-8.	0.2	9
70	CFD modeling of different mass transfer coefficients on hydrogen sulfide emission in a flux chamber. Environmental Science and Pollution Research, 2021, , 1.	2.7	1
71	Model-Driven Strategies for Sulfide Control in a Regional Wastewater System Receiving Tannery Effluents in Portugal. Water (Switzerland), 2021, 13, 2838.	1.2	0
72	Study of Magnesium Hydroxide Protective Coating against Corrosion, Applied on Poly(methyl) Tj ETQq1 1 0.7843	314 rgBT / 0.2	Overlock 1 0

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#	Article	IF	CITATIONS
74	Application of Electronic Nose to Ambient Air Quality Evaluation With Respect to Odour Nuisance in Vicinity of Municipal Landfills and Sewage Treatment. Advances in Computer and Electrical Engineering Book Series, 2018, , 175-201.	0.2	2
75	Assessment for which tide level saltwater intrusion occurs in a sewer network. Case study: Barreiro/Moita WWTP, Portugal. Water Practice and Technology, 2020, 15, 723-733.	1.0	2
76	Forecasting saltwater intrusion volume and sulfate content in a wastewater collection system. Case study: Barreiro/Moita WWTP, Portugal. Journal of Water and Climate Change, 2021, 12, 3648-3660.	1.2	0
77	Highly efficient degradation of hydrogen sulfide, styrene, and m-xylene in a bio-trickling filter. Science of the Total Environment, 2022, 808, 152130.	3.9	16
78	The Impact of Wastewater Quality and Flow Characteristics on H2S Emissions Generation: Statistical Correlations and an Artificial Neural Network Model. Water (Switzerland), 2022, 14, 791.	1.2	5
79	Wastewater deodorization: problems and solutions. IOP Conference Series: Earth and Environmental Science, 2021, 937, 042064.	0.2	0
80	Full-Scale Odor Abatement Technologies in Wastewater Treatment Plants (WWTPs): A Review. Water (Switzerland), 2021, 13, 3503.	1.2	11
81	Co-substrate-Assisted Dimethyl Sulfide Degradation and Electricity Generation in a Microbial Fuel Cell. Energy & Fuels, 2022, 36, 514-520.	2.5	16
82	Performance of hydrogen peroxide 35% treatment for sulfide mitigation in sanitary sewers: sewage characterization and response surface methodology. International Journal of Environmental Science and Technology, 0, , .	1.8	0
83	Recent Advances in Photocatalytic Removal of Organic and Inorganic Pollutants in Air. SSRN Electronic Journal, 0, , .	0.4	0
84	An Overview of Biological Processes and Their Potential for CO <sub>2</sub> Capture. SSRN Electronic Journal, 0, , .	0.4	0
85	Waste-derived biochar for water pollution control and sustainable development. Nature Reviews Earth & Environment, 2022, 3, 444-460.	12.2	233
86	The variation of odor characteristics of wastewater sludge treated by advanced anaerobic digestion (AAD) and the contribution pattern of key odorants. Science of the Total Environment, 2022, 840, 156722.	3.9	7
87	Uv/H2o2/O3 Removal Efficiency and Characterization of Algae-Derived Organic Matter and Odorous Substances. SSRN Electronic Journal, 0, , .	0.4	0
88	Simultaneous use of nitrate and calcium peroxide to control sulfide and greenhouse gas emission in sewers. Science of the Total Environment, 2023, 855, 158913.	3.9	3
89	Smart instrumental Odour Monitoring Station for the efficient odour emission management and control in wastewater treatment plants. Chemosphere, 2022, 309, 136665.	4.2	4
90	New insight into the enhanced ozonation of malodorous compounds by Cu(II): Inhibiting the formation of free radicals to promote ozone utilization. Journal of Hazardous Materials, 2023, 443, 130190.	6.5	3
91	UV/H2O2/O3 removal efficiency and characterization of algae-derived organic matter and odorous substances. Journal of Environmental Chemical Engineering, 2023, 11, 109128.	3.3	1

IF CITATIONS ARTICLE # Evaluating the Environmental and Economic Performance of Municipal Solid Waste Disposal by 92 1.6 3 All-Component Resource Recovery. Sustainability, 2022, 14, 16898. Absorption processes in reducing the odor nuisance of wastewater. MethodsX, 2023, 10, 101996. Advanced technologies for a smart and integrated control of odour emissions from wastewater 94 1 treatment plant., 2023,, 315-332. DISTINCTIVE ODORS., 2023, , 31-59. Odorous Substances in Urban Drainage Pipelines and the Removal Technology: A Review. Water 96 1.2 1 (Switzerland), 2023, 15, 1157. The degradation of spring water resources in Nepal: some policy gaps. Water Policy, 2023, 25, 338-358. Treatment of hospital wastewater by oxidation using potassium ferrate: Systematic review. AIP 100 0.3 1 Conference Proceedings, 2023, , .

**CITATION REPORT**