

# Maja Radziemska

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

1,601  
citations

331538

21  
h-index

360920

35  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1714  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of the possible adverse effects of biochar in the soil environment. <i>Science of the Total Environment</i> , 2021, 796, 148756.	3.9	113
2	Environmental assessment of the effects of a municipal landfill on the content and distribution of heavy metals in <i>Tanacetum vulgare</i> L.. <i>Chemosphere</i> , 2017, 185, 1011-1018.	4.2	69
3	Soil Science Challenges in a New Era: A Transdisciplinary Overview of Relevant Topics. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212097749.	1.2	69
4	Valorization of Fish Waste Compost as a Fertilizer for Agricultural Use. <i>Waste and Biomass Valorization</i> , 2019, 10, 2537-2545.	1.8	64
5	Phytostabilization – Management Strategy for Stabilizing Trace Elements in Contaminated Soils. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 958.	1.2	60
6	Environmental and Geotechnical Assessment of the Steel Slags as a Material for Road Structure. <i>Materials</i> , 2015, 8, 4857-4875.	1.3	58
7	Study of applying naturally occurring mineral sorbents of Poland (dolomite halloysite, chalcedonite) for aided phytostabilization of soil polluted with heavy metals. <i>Catena</i> , 2018, 163, 123-129.	2.2	54
8	Assessment of phytotoxicity, environmental and health risks of historical urban park soils. <i>Chemosphere</i> , 2019, 220, 678-686.	4.2	53
9	Potential of using immobilizing agents in aided phytostabilization on simulated contamination of soil with lead. <i>Ecological Engineering</i> , 2017, 102, 490-500.	1.6	50
10	Level and Contamination Assessment of Soil along an Expressway in an Ecologically Valuable Area in Central Poland. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 13372-13387.	1.2	42
11	Effects of Chromium(III and VI) on Spring Barley and Maize Biomass Yield and Content of Nitrogenous Compounds. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010, 73, 1274-1282.	1.1	39
12	Assessment and Evaluation of Heavy Metals Removal from Landfill Leachate by <i>Pleurotus ostreatus</i> . <i>Waste and Biomass Valorization</i> , 2018, 9, 503-511.	1.8	39
13	Tillage Versus No-Tillage. Soil Properties and Hydrology in an Organic Persimmon Farm in Eastern Iberian Peninsula. <i>Water (Switzerland)</i> , 2020, 12, 1539.	1.2	39
14	Insight into metal immobilization and microbial community structure in soil from a steel disposal dump phytostabilized with composted, pyrolyzed or gasified wastes. <i>Chemosphere</i> , 2021, 272, 129576.	4.2	39
15	Assessment of Tri- and Hexavalent Chromium Phytotoxicity on Oats ( <i>Avena sativa</i> L.) Biomass and Content of Nitrogen Compounds. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1619.	1.1	36
16	The combined effect of phytostabilization and different amendments on remediation of soils from post-military areas. <i>Science of the Total Environment</i> , 2019, 688, 37-45.	3.9	36
17	Concept of Aided Phytostabilization of Contaminated Soils in Postindustrial Areas. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 24.	1.2	35
18	The use of vegetation as a natural strategy for landfill restoration. <i>Land Degradation and Development</i> , 2018, 29, 3674-3680.	1.8	34

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19	Municipal solid waste landfill – Vegetation succession in an area transformed by human impact. <i>Ecological Engineering</i> , 2019, 129, 109-114.	1.6	30
20	CONTENT OF SELECTED HEAVY METALS IN NI-CONTAMINATED SOIL FOLLOWING THE APPLICATION OF HALLOYSITE AND ZEOLITE. <i>Journal of Ecological Engineering</i> , 2016, 17, 125-133.	0.5	27
21	Co-composted Biochar Enhances Growth, Physiological, and Phytostabilization Efficiency of <i>Brassica napus</i> and Reduces Associated Health Risks Under Chromium Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 775785.	1.7	24
22	Environmental risk assessment and consequences of municipal solid waste disposal. <i>Chemosphere</i> , 2018, 208, 569-578.	4.2	23
23	Composting versus mechanical–biological treatment: Does it really make a difference in the final product parameters and maturity. <i>Waste Management</i> , 2020, 106, 173-183.	3.7	23
24	Silver Nanoparticles (AgNPs) in Urea Solution in Laboratory Tests and Field Experiments with Crops and Vegetables. <i>Materials</i> , 2022, 15, 870.	1.3	23
25	Impact of Municipal Solid Waste Landfill on Environment – a Case Study. <i>Journal of Ecological Engineering</i> , 2018, 19, 55-68.	0.5	22
26	Quality of Water in the Road Drainage Systems in the Warsaw Agglomeration, Poland. <i>Water (Switzerland)</i> , 2016, 8, 429.	1.2	21
27	Assisted phytostabilization of soil from a former military area with mineral amendments. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109934.	2.9	21
28	The applicability of compost, zeolite and calcium oxide in assisted remediation of acidic soil contaminated with Cr(III) and Cr(VI). <i>Environmental Science and Pollution Research</i> , 2019, 26, 21351-21362.	2.7	20
29	Landfill Leachate Effects on Germination and Seedling Growth of Hemp Cultivars ( <i>Cannabis Sativa L.</i> ). <i>Waste and Biomass Valorization</i> , 2019, 10, 369-376.	1.8	18
30	MONITORING OF TOTAL DISSOLVED SOLIDS ON AGRICULTURAL LANDS USING ELECTRICAL CONDUCTIVITY MEASUREMENTS. <i>Applied Ecology and Environmental Research</i> , 2016, 14, 285-295.	0.2	18
31	Environmental Impact Assessment of Potentially Toxic Elements in Soils Near the Runway at the International Airport in Central Europe. <i>Sustainability</i> , 2020, 12, 7224.	1.6	17
32	SEM Analysis and Degradation Behavior of Conventional and Bio-Based Plastics During Composting. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2018, 66, 349-356.	0.2	17
33	Co-remediation of Ni-contaminated soil by halloysite and Indian mustard ( <i>Brassica juncea L.</i> ). <i>Clay Minerals</i> , 2016, 51, 489-497.	0.2	16
34	Immobilization of Potentially Toxic Elements (PTE) by Mineral-Based Amendments: Remediation of Contaminated Soils in Post-Industrial Sites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 87.	0.8	16
35	Seasonal Changes and Toxic Potency of Landfill Leachate for White Mustard ( <i>Sinapis alba L.</i> ). <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2018, 66, 235-242.	0.2	14
36	Biochar and Sulphur Enriched Digestate: Utilization of Agriculture Associated Waste Products for Improved Soil Carbon and Nitrogen Content, Microbial Activity, and Plant Growth. <i>Agronomy</i> , 2021, 11, 2041.	1.3	14

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37	Zonal Tillage as Innovative Element of the Technology of Growing Winter Wheat: A Field Experiment under Low Rainfall Conditions. <i>Agriculture (Switzerland)</i> , 2020, 10, 105.	1.4	13
38	Assessment Strategies for Municipal Selective Waste Collection – Regional Waste Management. <i>Journal of Ecological Engineering</i> , 2018, 19, 33-41.	0.5	13
39	Application of Mineral-Based Amendments for Enhancing Phytostabilization in <i>Lolium perenne</i> L. Cultivation. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1600679.	0.7	12
40	Pilot Scale Use of Compost Combined with Sorbents to Phytostabilize Ni-Contaminated Soil Using <i>Lolium perenne</i> L.. <i>Waste and Biomass Valorization</i> , 2019, 10, 1585-1595.	1.8	12
41	Transport of Nitrogen Compounds through Subsoils in Agricultural Areas: Column Tests. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 1505-1514.	0.6	12
42	Bentonite-Based Organic Amendment Enriches Microbial Activity in Agricultural Soils. <i>Land</i> , 2020, 9, 258.	1.2	11
43	Can the Application of Municipal Sewage Sludge Compost in the Aided Phytostabilization Technique Provide an Effective Waste Management Method?. <i>Energies</i> , 2021, 14, 1984.	1.6	10
44	Assessing the potential of biochar aged by humic substances to enhance plant growth and soil biological activity. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	10
45	Sequential soil washing with mixed biosurfactants is suitable for simultaneous removal of multi-metals from soils with different properties, pollution levels and ages. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	9
46	Environmental impact assessment of risk elements from railway transport with the use of pollution indices, a biotest and bioindicators. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 517-540.	1.7	9
47	Nano Zero Valent Iron (nZVI) as an Amendment for Phytostabilization of Highly Multi-PTE Contaminated Soil. <i>Materials</i> , 2021, 14, 2559.	1.3	9
48	The Potential of Biochar Made from Agricultural Residues to Increase Soil Fertility and Microbial Activity: Impacts on Soils with Varying Sand Content. <i>Agronomy</i> , 2021, 11, 1174.	1.3	9
49	Research of the biodegradability of degradable/biodegradable plastic material in various types of environments. <i>Scientific Review Engineering and Environmental Sciences</i> , 2017, 26, 3-14.	0.2	9
50	Blast Furnace Slag, Post-Industrial Waste or Valuable Building Materials with Remediation Potential?. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 478.	0.8	9
51	Assessment of the effect of reactive materials on the content of selected elements in Indian mustard grown in Cu-contaminated soils. <i>Journal of Water and Land Development</i> , 2016, 28, 53-60.	0.9	8
52	Saponin Versus Rhamnolipids for Remediation of Cd Contaminated Soils. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1700071.	0.7	8
53	Using Mosses as Bioindicators of Potentially Toxic Element Contamination in Ecologically Valuable Areas Located in the Vicinity of a Road: A Case Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3963.	1.2	8
54	Soils from an iron and steel scrap storage yard remediated with aided phytostabilization. <i>Land Degradation and Development</i> , 2019, 30, 202-211.	1.8	8

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55	Environmental Impact of Landfill on Soils – the Example of the Czech Republic. <i>Polish Journal of Soil Science</i> , 2017, 50, 93.	0.3	8
56	Cattle Manure Fermented with Biochar and Humic Substances Improve the Crop Biomass, Microbiological Properties and Nutrient Status of Soil. <i>Agronomy</i> , 2022, 12, 368.	1.3	8
57	A Mineral By-Product from Gasification of Poultry Feathers for Removing Cd from Highly Contaminated Synthetic Wastewater. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1048.	0.8	7
58	Chemical and Biological Properties of Sandy Loam Soil in Response to Long-Term Organic–Mineral Fertilisation in a Warm-Summer Humid Continental Climate. <i>Agronomy</i> , 2020, 10, 1610.	1.3	7
59	EFFECT OF COMPOST FROM BY-PRODUCT OF THE FISHING INDUSTRY ON CROP YIELD AND MICROELEMENT CONTENT IN MAIZE. <i>Journal of Ecological Engineering</i> , 2015, 16, 168-175.	0.5	7
60	Geotechnical and Environmental Assessment of Blast Furnace Slag for Engineering Applications. <i>Materials</i> , 2021, 14, 6029.	1.3	7
61	Co-application of nanosized halloysite and biochar as soil amendments in aided phytostabilization of metal(-oid)s-contaminated soil under different temperature conditions. <i>Chemosphere</i> , 2022, 288, 132452.	4.2	7
62	Biochar-Assisted Phytostabilization for Potentially Toxic Element Immobilization. <i>Sustainability</i> , 2022, 14, 445.	1.6	7
63	Successful Outcome of Phytostabilization in Cr(VI) Contaminated Soils Amended with Alkalinizing Additives. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6073.	1.2	6
64	Assessment of Soil Contamination with Potentially Toxic Elements and Soil Ecotoxicity of Botanical Garden in Brno, Czech Republic: Are Urban Botanical Gardens More Polluted Than Urban Parks?. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7622.	1.2	6
65	Impact of physiochemical properties, microbes and biochar on bioavailability of toxic elements in the soil: a review. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3725-3742.	1.8	6
66	Manure Maturation with Biochar: Effects on Plant Biomass, Manure Quality and Soil Microbiological Characteristics. <i>Agriculture (Switzerland)</i> , 2022, 12, 314.	1.4	6
67	Short-Term Soil Flushing with Tannic Acid and Its Effect on Metal Mobilization and Selected Properties of Calcareous Soil. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5698.	1.2	5
68	Effect of Biochar on Metal Distribution and Microbiome Dynamic of a Phytostabilized Metalloid-Contaminated Soil Following Freeze–Thaw Cycles. <i>Materials</i> , 2022, 15, 3801.	1.3	5
69	Ecotoxicity of In-Situ Produced Compost Intended for Landfill Restoration. <i>Environments - MDPI</i> , 2018, 5, 111.	1.5	4
70	Enhanced Phytostabilization of Metal-Contaminated Soil after Adding Natural Mineral Adsorbents. <i>Polish Journal of Environmental Studies</i> , 2018, 27, 267-273.	0.6	4
71	EFFECT OF REACTIVE MATERIALS ON THE CONTENT OF SELECTED ELEMENTS IN INDIAN MUSTARD GROWN IN CR(VI)-CONTAMINATED SOILS. <i>Journal of Ecological Engineering</i> , 2016, 17, 141-147.	0.5	4
72	Determination of Risk Perceptions of University Students and Evaluating Their Environmental Awareness in Poland. <i>Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi</i> , 2016, 37, 418.	0.1	3

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73	Using Compost, Zeolite and Calcium Oxide to Limit the Effect of Chromium (III) and (VI) on the Content of Trace Elements in Plants. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2017, 65, 709-719.	0.2	3
74	Remediation of Smelter Contaminated Soil by Sequential Washing Using Biosurfactants. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12875.	1.2	3
75	Aided Phytostabilization of Copper Contaminated Soils with <i>L. Perenne</i> and Mineral Sorbents as Soil Amendments. <i>Civil and Environmental Engineering Reports</i> , 2017, 26, 79-89.	0.2	2
76	Novel combined amendments for sustainable remediation of the Pb-contaminated soil. <i>AIMS Environmental Science</i> , 2020, 7, 1-12.	0.7	2
77	CHEMICAL COMPOSITION OF SPRING RAPESEED GROWN IN COPPER- CONTAMINATED SOIL AMENDED WITH HALLOYSITE AND ZEOLITE. <i>Journal of Ecological Engineering</i> , 2017, 18, 38-43.	0.5	2
78	Chemical Composition of Soil Contaminated with Tri- and Hexavalent Chromium Amended with Compost, Zeolite and Calcium Oxide. <i>Polish Journal of Soil Science</i> , 2017, 49, 181.	0.3	2
79	Can rail transport-related contamination affect railway vegetation? A case study of a busy railway corridor in Poland. <i>Chemosphere</i> , 2022, 293, 133521.	4.2	2
80	Biochar Role in Soil Carbon Stabilization and Crop Productivity. , 2021, , 1-46.		1
81	Recycling of Blast Furnace and Coal Slags in Aided Phytostabilisation of Soils Highly Polluted with Heavy Metals. <i>Energies</i> , 2021, 14, 4300.	1.6	1
82	Green roofs as an alternative solution to reduced green surface area in highly urbanized cities of the European Union – the study case of the Netherlands. <i>Acta Scientiarum Polonorum Architectura</i> , 2018, 16, 59-70.	0.1	1
83	CO2 Content In Soil Air Upon Application of Composts Formed From Fish Industry By-Products. <i>Soil Science Annual</i> , 2012, 63, 46-49.	0.4	0
84	Investigate the influence of halloysite and activated carbon mixtures in phytostabilization of Pb-contaminated soil with <i>Lolium perenne</i> L.. <i>Annals of Warsaw University of Life Sciences, Land Reclamation</i> , 2017, 49, 69-80.	0.2	0
85	Rain water not in sewers but in the garden – the study case of the Netherlands and Polish experience. <i>Acta Scientiarum Polonorum Architectura</i> , 2018, 17, 79-88.	0.1	0
86	Novel combined amendments for sustainable remediation of the Pb-contaminated soil. <i>AIMS Environmental Science</i> , 2020, 7, 1-12.	0.7	0