

# Violette Geissen

## 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.

98 papers	7,293 citations	37 h-index	85 g-index
102 ext. papers	10,128 ext. citations	6.7 avg, IF	6.57 L-index

#	Paper	IF	Citations
98	Soil quality DA critical review. <i>Soil Biology and Biochemistry</i> , <b>2018</b> , 120, 105-125	7.5	801
97	Microplastics in the Terrestrial Ecosystem: Implications for Lumbricus terrestris (Oligochaeta, Lumbricidae). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2685-91	10.3	526
96	An overview of microplastic and nanoplastic pollution in agroecosystems. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 1377-1388	10.2	502
95	Emerging pollutants in the environment: A challenge for water resource management. <i>International Soil and Water Conservation Research</i> , <b>2015</b> , 3, 57-65	6.9	497
94	Evidence of microplastic accumulation in agricultural soils from sewage sludge disposal. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 411-420	10.2	377
93	Macro- and micro- plastics in soil-plant system: Effects of plastic mulch film residues on wheat ( <i>Triticum aestivum</i> ) growth. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 1048-1056	10.2	335
92	Pesticide residues in European agricultural soils - A hidden reality unfolded. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1532-1545	10.2	328
91	Incorporation of microplastics from litter into burrows of Lumbricus terrestris. <i>Environmental Pollution</i> , <b>2017</b> , 220, 523-531	9.3	305
90	Field evidence for transfer of plastic debris along a terrestrial food chain. <i>Scientific Reports</i> , <b>2017</b> , 7, 14071	4.9	274
89	Response of soil dissolved organic matter to microplastic addition in Chinese loess soil. <i>Chemosphere</i> , <b>2017</b> , 185, 907-917	8.4	247
88	A simple method for the extraction and identification of light density microplastics from soil. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 1056-1065	10.2	204
87	Decay of low-density polyethylene by bacteria extracted from earthworm's guts: A potential for soil restoration. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 753-757	10.2	158
86	Sewage sludge application as a vehicle for microplastics in eastern Spanish agricultural soils. <i>Environmental Pollution</i> , <b>2020</b> , 261, 114198	9.3	153
85	Distribution of glyphosate and aminomethylphosphonic acid (AMPA) in agricultural topsoils of the European Union. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 1352-1359	10.2	149
84	Effects of plastic mulch film residues on wheat rhizosphere and soil properties. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 121711	12.8	131
83	Wind erosion as a driver for transport of light density microplastics. <i>Science of the Total Environment</i> , <b>2019</b> , 669, 273-281	10.2	121
82	Factors affecting farmers' behaviour in pesticide use: Insights from a field study in northern China. <i>Science of the Total Environment</i> , <b>2015</b> , 537, 360-8	10.2	103

81	Extension of a GIS procedure for calculating the RUSLE equation LS factor. <i>Computers and Geosciences</i> , <b>2013</b> , 52, 177-188	4.5	98
80	Persistence of glyphosate and aminomethylphosphonic acid in loess soil under different combinations of temperature, soil moisture and light/darkness. <i>Science of the Total Environment</i> , <b>2016</b> , 572, 301-311	10.2	96
79	Effects of wildfire on soil nutrients in Mediterranean ecosystems. <i>Earth-Science Reviews</i> , <b>2014</b> , 139, 47-58	10.2	91
78	Predicting soil microplastic concentration using vis-NIR spectroscopy. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 922-932	10.2	88
77	Farmer and retailer knowledge and awareness of the risks from pesticide use: a case study in the Wei River catchment, China. <i>Science of the Total Environment</i> , <b>2014</b> , 497-498, 172-179	10.2	80
76	Pesticide residues in Nepalese vegetables and potential health risks. <i>Environmental Research</i> , <b>2019</b> , 172, 511-521	7.9	78
75	Leaching of microplastics by preferential flow in earthworm ( <i>Lumbricus terrestris</i> ) burrows. <i>Environmental Chemistry</i> , <b>2019</b> , 16, 31	3.2	76
74	Influence of microplastic addition on glyphosate decay and soil microbial activities in Chinese loess soil. <i>Environmental Pollution</i> , <b>2018</b> , 242, 338-347	9.3	74
73	Distribution and bioconcentration of heavy metals in a tropical aquatic food web: A case study of a tropical estuarine lagoon in SE Mexico. <i>Environmental Pollution</i> , <b>2016</b> , 210, 155-65	9.3	69
72	Short-term transport of glyphosate with erosion in Chinese loess soil--a flume experiment. <i>Science of the Total Environment</i> , <b>2015</b> , 512-513, 406-414	10.2	63
71	Impact of plastic mulch film debris on soil physicochemical and hydrological properties. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115097	9.3	55
70	Microplastics occurrence and frequency in soils under different land uses on a regional scale. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141917	10.2	53
69	An improved method for calculating slope length ( $L$ ) and the LS parameters of the Revised Universal Soil Loss Equation for large watersheds. <i>Geoderma</i> , <b>2017</b> , 308, 36-45	6.7	46
68	Response of common bean ( <i>Phaseolus vulgaris</i> L.) growth to soil contaminated with microplastics. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142516	10.2	46
67	Vegetable farmers' behaviour and knowledge related to pesticide use and related health problems: A case study from Bangladesh. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 122-133	10.3	44
66	Glyphosate and AMPA distribution in wind-eroded sediment derived from loess soil. <i>Environmental Pollution</i> , <b>2017</b> , 220, 1079-1089	9.3	43
65	Factors affecting pesticide safety behaviour: The perceptions of Nepalese farmers and retailers. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1560-1571	10.2	42
64	Soil and water pollution in a banana production region in tropical Mexico. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2010</b> , 85, 407-13	2.7	42

63	Concentration and distribution of pesticide residues in soil: Non-dietary human health risk assessment. <i>Chemosphere</i> , <b>2020</b> , 253, 126594	8.4	39
62	Mulching as a strategy to improve soil properties and reduce soil erodibility in coffee farming systems of Rwanda. <i>Catena</i> , <b>2017</b> , 149, 43-51	5.8	37
61	Low density-microplastics detected in sheep faeces and soil: A case study from the intensive vegetable farming in Southeast Spain. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142653	10.2	36
60	Domestic Water Consumption under Intermittent and Continuous Modes of Water Supply. <i>Water Resources Management</i> , <b>2014</b> , 28, 853-865	3.7	34
59	Microplastic pollution alters forest soil microbiome. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124606	12.8	34
58	Biogenic transport of glyphosate in the presence of LDPE microplastics: A mesocosm experiment. <i>Environmental Pollution</i> , <b>2019</b> , 245, 829-835	9.3	33
57	Decay characteristics and erosion-related transport of glyphosate in Chinese loess soil under field conditions. <i>Science of the Total Environment</i> , <b>2015</b> , 530-531, 87-95	10.2	31
56	Assessing the effect of water harvesting techniques on event-based hydrological responses and sediment yield at a catchment scale in northern Ethiopia using the Limburg Soil Erosion Model (LISEM). <i>Catena</i> , <b>2017</b> , 159, 20-34	5.8	30
55	Effect of fire frequency on runoff, soil erosion, and loss of organic matter at the micro-plot scale in north-central Portugal. <i>Geoderma</i> , <b>2016</b> , 269, 126-137	6.7	30
54	Factors affecting domestic water consumption in rural households upon access to improved water supply: insights from the Wei River Basin, China. <i>PLoS ONE</i> , <b>2013</b> , 8, e71977	3.7	29
53	Dynamics of glyphosate and AMPA in the soil surface layer of glyphosate-resistant crop cultivations in the loess Pampas of Argentina. <i>Environmental Pollution</i> , <b>2019</b> , 244, 323-331	9.3	27
52	Water use patterns and conservation in households of Wei River Basin, China. <i>Resources, Conservation and Recycling</i> , <b>2013</b> , 74, 45-53	11.9	26
51	GIS-based multi-criteria analysis for Arabica coffee expansion in Rwanda. <i>PLoS ONE</i> , <b>2014</b> , 9, e107449	3.7	26
50	Silver nanoparticles in soil: Aqueous extraction combined with single-particle ICP-MS for detection and characterization. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2017</b> , 7, 24-33	3.3	25
49	Pollutants in drainage channels following long-term application of Mancozeb to banana plantations in southeastern Mexico. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2008</b> , 171, 597-604	2.3	25
48	Assessment of promising agricultural management practices. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 610-619	10.2	25
47	Effects of elevated CO <sub>2</sub> and drought on the microbial biomass and enzymatic activities in the rhizospheres of two grass species in Chinese loess soil. <i>Geoderma</i> , <b>2017</b> , 286, 25-34	6.7	24
46	Cocktails of pesticide residues in conventional and organic farming systems in Europe - Legacy of the past and turning point for the future. <i>Environmental Pollution</i> , <b>2021</b> , 278, 116827	9.3	24

45	Effect of In Situ Water Harvesting Techniques on Soil and Nutrient Losses in Semi-Arid Northern Ethiopia. <i>Land Degradation and Development</i> , <b>2017</b> , 28, 1016-1027	4.4	23
44	An integrated algorithm to evaluate flow direction and flow accumulation in flat regions of hydrologically corrected DEMs. <i>Catena</i> , <b>2017</b> , 151, 174-181	5.8	21
43	Effect of Integrated Water-Nutrient Management Strategies on Soil Erosion Mediated Nutrient Loss and Crop Productivity in Cabo Verde Drylands. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134244	3.7	18
42	A decision support approach for the selection and implementation of water harvesting techniques in arid and semi-arid regions. <i>Agricultural Water Management</i> , <b>2016</b> , 173, 35-47	5.9	18
41	Effects of fire occurrence and recurrence on nitrogen and phosphorus losses by overland flow in maritime pine plantations in north-central Portugal. <i>Geoderma</i> , <b>2017</b> , 289, 97-106	6.7	17
40	Tracking the Transport of Silver Nanoparticles in Soil: a Saturated Column Experiment. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 334	2.6	17
39	Limits to the bioindication potential of Collembola in environmental impact analysis: a case study of forest soil-liming and fertilization. <i>Biology and Fertility of Soils</i> , <b>2004</b> , 39, 383-390	6.1	15
38	Temporal predictability of soil microarthropod communities in temperate forests. <i>Pedobiologia</i> , <b>2005</b> , 49, 41-50	1.7	14
37	Effects of different land use on soil chemical properties, decomposition rate and earthworm communities in tropical Mexico. <i>Pedobiologia</i> , <b>2009</b> , 53, 75-86	1.7	13
36	Visual assessment of the impact of agricultural management practices on soil quality. <i>Agronomy Journal</i> , <b>2020</b> , 112, 2608-2623	2.2	12
35	Spatial glyphosate and AMPA redistribution on the soil surface driven by sediment transport processes - A flume experiment. <i>Environmental Pollution</i> , <b>2018</b> , 234, 1011-1020	9.3	12
34	Sources of Light Density Microplastic Related to Two Agricultural Practices: The Use of Compost and Plastic Mulch. <i>Environments - MDPI</i> , <b>2021</b> , 8, 36	3.2	12
33	Improving on-site water availability by combining in-situ water harvesting techniques in semi-arid Northern Ethiopia. <i>Agricultural Water Management</i> , <b>2017</b> , 193, 153-162	5.9	9
32	Formation and decay of ethylenethiourea (ETU) in soil and water under tropical conditions. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2013</b> , 176, 40-46	2.3	9
31	Effect of Vermicompost on the Growth and Production Of Amashito Pepper, Interactions with Earthworms and Rhizobacteria. <i>Compost Science and Utilization</i> , <b>2010</b> , 18, 282-288	1.2	9
30	Indicators of environmentally sound land use in the humid tropics: The potential roles of expert opinion, knowledge engineering and knowledge discovery. <i>Ecological Indicators</i> , <b>2010</b> , 10, 320-329	5.8	9
29	Water quality under intensive banana production and extensive pastureland in tropical Mexico. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2012</b> , 175, 553-559	2.3	9
28	Is the Polylactic Acid Fiber in Green Compost a Risk for and ?. <i>Polymers</i> , <b>2021</b> , 13,	4.5	9

27	Ecological risk assessment of pesticide residues in soils from vegetable production areas: A case study in S-Nepal. <i>Science of the Total Environment</i> , <b>2021</b> , 788, 147921	10.2	9
26	Effect of different polymers of microplastics on soil organic carbon and nitrogen - A mesocosm experiment. <i>Environmental Research</i> , <b>2022</b> , 204, 111938	7.9	9
25	Transport of silver nanoparticles by runoff and erosion - A flume experiment. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 1418-1426	10.2	8
24	Integration of transport concepts for risk assessment of pesticide erosion. <i>Science of the Total Environment</i> , <b>2016</b> , 551-552, 563-70	10.2	8
23	Towards an ecological index for tropical soil quality based on soil macrofauna. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2009</b> , 44, 1056-1062	1.8	7
22	Microplastics in Soil Ecosystem: Insight on Its Fate and Impacts on Soil Quality. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 245-258	0.8	7
21	Developing generalized parameters for post-fire erosion risk assessment using the revised Morgan-Morgan-Finney model: A test for north-central Portuguese pine stands. <i>Catena</i> , <b>2018</b> , 165, 358-368	5.8	7
20	Investigation of the 2018 Shiraz dust event: Potential sources of metals, rare earth elements, and radionuclides; health assessment. <i>Chemosphere</i> , <b>2021</b> , 279, 130533	8.4	7
19	The short-term effectiveness of surfactant seed coating and mulching treatment in reducing post-fire runoff and erosion. <i>Geoderma</i> , <b>2017</b> , 307, 231-237	6.7	6
18	Assessing the impact of human interventions on floods and low flows in the Wei River Basin in China using the LISFLOOD model. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 1077-1094	10.2	6
17	An integrated method for calculating DEM-based RUSLE LS. <i>Earth Science Informatics</i> , <b>2018</b> , 11, 579-590	2.5	6
16	A multi-criteria index for ecological evaluation of tropical agriculture in southeastern Mexico. <i>PLoS ONE</i> , <b>2014</b> , 9, e112493	3.7	5
15	A laboratory comparison of the interactions between three plastic mulch types and 38 active substances found in pesticides. <i>PeerJ</i> , <b>2020</b> , 8, e9876	3.1	5
14	Effects of plastic mulching on the accumulation and distribution of macro and micro plastics in soils of two farming systems in Northwest China. <i>PeerJ</i> , <b>2020</b> , 8, e10375	3.1	5
13	Effects of microplastics and earthworm burrows on soil macropore water flow within a laboratory soil column setup. <i>Vadose Zone Journal</i> , <b>2020</b> , 19, e20059	2.7	5
12	Mulching effects on soil nutrient levels and yield in coffee farming systems in Rwanda. <i>Soil Use and Management</i> , <b>2020</b> , 36, 58-70	3.1	5
11	Collection of human and environmental data on pesticide use in Europe and Argentina: Field study protocol for the SPRINT project. <i>PLoS ONE</i> , <b>2021</b> , 16, e0259748	3.7	3
10	Assessing the Biophysical Impact and Financial Viability of Soil Management Technologies Under Variable Climate in Cabo Verde Drylands: The PESERA-DESMICE Approach. <i>Land Degradation and Development</i> , <b>2016</b> , 27, 1679-1690	4.4	2

9	Environmental and human health at risk - Scenarios to achieve the Farm to Fork 50% pesticide reduction goals.. <i>Environment International</i> , <b>2022</b> , 165, 107296	12.9	2
8	Morphospecies Abundance of Above-Ground Invertebrates in Agricultural Systems under Glyphosate and Microplastics in South-Eastern Mexico. <i>Environments - MDPI</i> , <b>2021</b> , 8, 130	3.2	1
7	Effects of chloropicrin fumigation and azoxystrobin application on ginger growth and phosphorus uptake.. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 232, 113246	7	0
6	Variations of soil phosphatase activity and phosphorus fractions in ginger fields exposed to different years of chloropicrin fumigation. <i>Journal of Soils and Sediments</i> ,1	3.4	0
5	Parks and Recreational Areas as Sinks of Plastic Debris in Urban Sites: The Case of Light-Density Microplastics in the City of Amsterdam, The Netherlands. <i>Environments - MDPI</i> , <b>2022</b> , 9, 5	3.2	0
4	Pesticide usage practices and the exposure risk to pollinators: A case study in the North China Plain. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 241, 113713	7	0
3	Pesticide screening and health risk assessment of residential dust in a rural region of the North China Plain. <i>Chemosphere</i> , <b>2022</b> , 303, 135115	8.4	0
2	An optimized method for extracting slope length in RUSLE from raster digital elevation. <i>Catena</i> , <b>2022</b> , 209, 105818	5.8	
1	Promising Agricultural Management Practices and Soil Threats in Europe and China. <i>Innovations in Landscape Research</i> , <b>2021</b> , 195-213	0.5	