

# Adele Muscolo

## List of Publications by Year in descending order

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103  
papers

5,247  
citations

94433

37  
h-index

91884

69  
g-index

111  
all docs

111  
docs citations

111  
times ranked

4842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salinity tolerance of lentil is achieved by enhanced proline accumulation, lower level of sodium uptake and modulation of photosynthetic traits. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 40-52.	3.5	8
2	Salinity modulates crop plants suitability as hosts for <i>Cuscuta campestris</i> parasitism. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2022, 21, 324-330.	1.9	1
3	AnchoisFert: A New Organic Fertilizer from Fish Processing Waste for Sustainable Agriculture. <i>Global Challenges</i> , 2022, 6, .	3.6	13
4	Economic and technical feasibility of AnchoisFert organic fertilizer production. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100315.	5.6	5
5	Bergamot and olive extracts as beer ingredients: their influence on nutraceutical and sensory properties. <i>European Food Research and Technology</i> , 2022, 248, 2067-2077.	3.3	3
6	Recycling of agricultural (orange and olive) bio-wastes into ecofriendly fertilizers for improving soil and garlic quality. <i>Resources, Conservation &amp; Recycling Advances</i> , 2022, 15, 200083.	2.5	2
7	Potential <i>Piriformospora indica</i> effect on growth and mineral nutrition of <i>Phaseolus vulgaris</i> crop under low phosphorus intake. <i>Journal of Plant Nutrition</i> , 2021, 44, 498-507.	1.9	4
8	Soil Biodiversity as Affected by Different Thinning Intensities in a <i>Pinus laricio</i> Stand of Calabrian Apennine, South Italy. <i>Forests</i> , 2021, 12, 108.	2.1	6
9	The relationships between selected soil properties and caesium-137 identify organic carbon, nitrogen and water soluble phenols as indicators of soil erosion processes in different forest stands. <i>Journal of Forestry Research</i> , 2021, 32, 2589-2598.	3.6	4
10	Using Digestate as Fertilizer for a Sustainable Tomato Cultivation. <i>Sustainability</i> , 2021, 13, 1574.	3.2	22
11	Evaluation of Physiological and Morphological Traits for Improving Spring Wheat Adaptation to Terminal Heat Stress. <i>Plants</i> , 2021, 10, 455.	3.5	33
12	Elemental localisation and a reduced glutathione redox state protect seeds of the halophyte <i>Suaeda maritima</i> from salinity during over-wintering and germination. <i>Environmental and Experimental Botany</i> , 2021, 190, 104569.	4.2	6
13	Recycling agricultural, municipal and industrial pollutant wastes into fertilizers for a sustainable healthy food production. <i>Journal of Environmental Management</i> , 2021, 300, 113771.	7.8	14
14	Digestate Application on Two Different Soils: Agricultural Benefit and Risk. <i>Waste and Biomass Valorization</i> , 2021, 12, 4341-4353.	3.4	28
15	Effects of Gap Size and Cardinal Directions on Natural Regeneration, Growth Dynamics of Trees outside the Gaps and Soil Properties in European Beech Forests of Southern Italy. <i>Forests</i> , 2021, 12, 1563.	2.1	9
16	Short-term effects of different fire severities on soil properties and <i>Pinus halepensis</i> regeneration. <i>Journal of Forestry Research</i> , 2020, 31, 1271-1282.	3.6	14
17	Soil biological indicators and caesium-137 to estimate soil erosion in areas with different forest system management. <i>European Journal of Forest Research</i> , 2020, 139, 67-81.	2.5	9
18	Sulfur bentonite-organic-based fertilizers as tool for improving bio-compounds with antioxidant activities in red onion. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 785-793.	3.5	13

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19	Effectiveness of Humic Substances and Phenolic Compounds in Regulating Plant-Biological Functionality. <i>Agronomy</i> , 2020, 10, 1553.	3.0	12
20	Effect of Organic Fertilizers on Selected Health Beneficial Bioactive Compounds and Aroma Profile of Red Topepo Sweet Pepper. <i>Foods</i> , 2020, 9, 1323.	4.3	11
21	Agro-Morphological, Yield and Quality Traits and Interrelationship with Yield Stability in Quinoa ( <i>Chenopodium quinoa</i> Willd.) Genotypes under Saline Marginal Environment. <i>Plants</i> , 2020, 9, 1763.	3.5	28
22	Crop diversification and saline water irrigation as potential strategies to save freshwater resources and reclamation of marginal soils—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28695-28729.	5.3	50
23	Responses of soil quality indicators to innovative and traditional thinning in a beech ( <i>Fagus sylvatica</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.2	11
24	Soil salinity improves nutritional and health promoting compounds in three varieties of lentil ( <i>Lens</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	11
25	Influence of Soil Properties on Bioactive Compounds and Antioxidant Capacity of <i>Brassica rupestris</i> Raf.. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 808-815.	3.4	10
26	Three different methods for turning olive pomace in resource: Benefits of the end products for agricultural purpose. <i>Science of the Total Environment</i> , 2019, 662, 1-7.	8.0	32
27	Sustainable use and management of non-conventional water resources for rehabilitation of marginal lands in arid and semiarid environments. <i>Agricultural Water Management</i> , 2019, 221, 462-476.	5.6	136
28	Protein content, antioxidant activity, carbohydrates and photosynthesis in leaves of girdled stems of four olive cultivars. <i>Scientia Horticulturae</i> , 2019, 256, 108551.	3.6	7
29	Use of digestate as an alternative to mineral fertilizer: effects on growth and crop quality. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 700-711.	2.6	53
30	Effects of different thinning intensities on soil carbon storage in <i>Pinus laricio</i> forest of Apennine South Italy. <i>European Journal of Forest Research</i> , 2018, 137, 131-141.	2.5	33
31	Factors determining enzyme activities in soils under <i>Pinus halepensis</i> and <i>Pinus sylvestris</i> plantations in Spain: a basis for establishing sustainable forest management strategies. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	33
32	Carbon ( $\delta^{13}C$ ) and Nitrogen ( $\delta^{15}N$ ) Stable Isotope Composition Provide New Insights into Phenotypic Plasticity in Broad Leaf Weed <i>Rumex acetosa</i> under Allelochemical Stress. <i>Molecules</i> , 2018, 23, 2449.	3.8	5
33	Bio-priming mitigates detrimental effects of salinity on maize improving antioxidant defense and preserving photosynthetic efficiency. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 465-474.	5.8	43
34	Are raw materials or composting conditions and time that most influence the maturity and/or quality of composts? Comparison of obtained composts on soil properties. <i>Journal of Cleaner Production</i> , 2018, 195, 93-101.	9.3	71
35	Reclaimed municipal wastewater for forage production. <i>Water Science and Technology</i> , 2017, 75, 1784-1793.	2.5	7
36	Effect of halotolerant endophytic bacteria isolated from <i>Salicornia europaea</i> L. on the growth of fodder beet ( <i>Beta vulgaris</i> L.) under salt stress. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1404-1418.	2.6	52

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37	Anaerobic co-digestion of recalcitrant agricultural wastes: Characterizing of biochemical parameters of digestate and its impacts on soil ecosystem. <i>Science of the Total Environment</i> , 2017, 586, 746-752.	8.0	53
38	Erosion of Brassica incana Genetic Resources: Causes and Effects. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 78, 012014.	0.3	1
39	Land Use Affects the Soil C Sequestration in Alpine Environment, NE Italy. <i>Forests</i> , 2017, 8, 197.	2.1	20
40	Increasing Soil and Crop Productivity by Using Agricultural Wastes Pelletized with Elemental Sulfur and Bentonite. <i>Agronomy Journal</i> , 2017, 109, 1900-1910.	1.8	8
41	Use of canopy gap openings to restore coniferous stands in Mediterranean environment. <i>IForest</i> , 2017, 10, 322-327.	1.4	23
42	Drought and Salinity Differently Affect Growth and Secondary Metabolites of <i>Chenopodium quinoa</i> Willd. Seedlings. , 2016, , 259-275.		4
43	Jatropha Curcas Sludge Valorization. <i>Procedia, Social and Behavioral Sciences</i> , 2016, 223, 865-870.	0.5	3
44	Use of Recalcitrant Agriculture Wastes to Produce Biogas and Feasible Biofertilizer. <i>Waste and Biomass Valorization</i> , 2016, 7, 267-280.	3.4	40
45	Phenotypic and metabolic responses to drought and salinity of four contrasting lentil accessions. <i>Journal of Experimental Botany</i> , 2015, 66, 5467-5480.	4.8	146
46	Humic substances stimulate maize nitrogen assimilation and amino acid metabolism at physiological and molecular level. <i>Chemical and Biological Technologies in Agriculture</i> , 2015, 2, .	4.6	52
47	Introduction to the Special Issue: Halophytes in a changing world. <i>AoB PLANTS</i> , 2015, 7, .	2.3	68
48	Early warning indicators of changes in soil ecosystem functioning. <i>Ecological Indicators</i> , 2015, 48, 542-549.	6.3	51
49	Effect of saline water on seed germination and early seedling growth of the halophyte quinoa. <i>AoB PLANTS</i> , 2014, 6, plu047-plu047.	2.3	156
50	A review of the roles of forest canopy gaps. <i>Journal of Forestry Research</i> , 2014, 25, 725-736.	3.6	244
51	Effect of PEG-induced drought stress on seed germination of four lentil genotypes. <i>Journal of Plant Interactions</i> , 2014, 9, 354-363.	2.1	137
52	Biological indicators to assess short-term soil quality changes in forest ecosystems. <i>Ecological Indicators</i> , 2014, 45, 416-423.	6.3	36
53	Manipulating the antioxidant capacity of halophytes to increase their cultural and economic value through saline cultivation. <i>AoB PLANTS</i> , 2014, 6, plu046-plu046.	2.3	68
54	Ecology, Distribution and Ecophysiology of <i>Salicornia Europaea</i> L.. <i>Tasks for Vegetation Science</i> , 2014, , 233-240.	0.6	14

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55	Non-trophic Interactions: Allelopathy. <i>Biodiversity Community and Ecosystems</i> , 2014, , 139-162.	0.2	2
56	Alfalfa plant-derived biostimulant stimulate short-term growth of salt stressed <i>Zea mays</i> L. plants. <i>Plant and Soil</i> , 2013, 364, 145-158.	3.7	233
57	Ecophysiology of <i>Pennisetum clandestinum</i> : a valuable salt tolerant grass. <i>Environmental and Experimental Botany</i> , 2013, 92, 55-63.	4.2	38
58	Isopentenyladenosine and cytokinin-like activity of different humic substances. <i>Journal of Geochemical Exploration</i> , 2013, 129, 70-75.	3.2	98
59	Biological effects of water-soluble soil phenol and soil humic extracts on plant systems. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 309-320.	2.1	14
60	Humic substance: Relationship between structure and activity. Deeper information suggests univocal findings. <i>Journal of Geochemical Exploration</i> , 2013, 129, 57-63.	3.2	138
61	Does salt stress increase the ability of the exotic legume <i>Acacia longifolia</i> to compete with native legumes in sand dune ecosystems?. <i>Environmental and Experimental Botany</i> , 2012, 82, 74-79.	4.2	17
62	Salt tolerance traits increase the invasive success of <i>Acacia longifolia</i> in Portuguese coastal dunes. <i>Plant Physiology and Biochemistry</i> , 2012, 55, 60-65.	5.8	53
63	Soil and forest productivity: a case study from Stone pine ( <i>Pinus pinea</i> L.) stands in Calabria (southern) Tj ETQq1 1 0,784314 pgBT /OV 1.4 15	1.4	15
64	Root plasticity improves salt tolerance in different genotypes of lentil ( <i>Lens culinaris</i> ). <i>Ecological Questions</i> , 2010, 14, .	0.3	0
65	Gap size effects on above- and below-ground processes in a silver fir stand. <i>European Journal of Forest Research</i> , 2010, 129, 355-365.	2.5	37
66	High Molecular Size Humic Substances Enhance Phenylpropanoid Metabolism in Maize ( <i>Zea mays</i> L.). <i>Journal of Chemical Ecology</i> , 2010, 36, 662-669.	1.8	168
67	Effect of long-term irrigation water salinity on soil properties and microbial biomass. <i>Ecological Questions</i> , 2010, 14, .	0.3	0
68	Carboxyl and Phenolic Humic Fractions Affect <i>Pinus Nigra</i> Callus Growth and Metabolism. <i>Soil Science Society of America Journal</i> , 2009, 73, 1119-1129.	2.2	25
69	Effect of a Compost and Its Water-Soluble Fractions on Key Enzymes of Nitrogen Metabolism in Maize Seedlings. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11267-11276.	5.2	49
70	Drought, salinity and heat differently affect seed germination of <i>Pinus pinea</i> . <i>Journal of Forest Research</i> , 2008, 13, 326-330.	1.4	49
71	Influence of slope aspects on soil chemical and biochemical properties in a <i>Pinus laricio</i> forest ecosystem of Aspromonte (Southern Italy). <i>European Journal of Soil Biology</i> , 2008, 44, 364-372.	3.2	90
72	Variations in Four Genotypes of Lentil under NaCl-Salinity Stress. <i>American Journal of Agricultural and Biological Science</i> , 2008, 3, 410-416.	0.4	35

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73	Changes in germination and glyoxylate and respiratory enzymes of <i>Pinus pinea</i> seeds under various abiotic stresses. <i>Journal of Plant Interactions</i> , 2007, 2, 273-279.	2.1	7
74	Biological Activity of Humic Substances Is Related to Their Chemical Structure. <i>Soil Science Society of America Journal</i> , 2007, 71, 75-85.	2.2	80
75	Response of four genotypes of lentil to salt stress conditions. <i>Seed Science and Technology</i> , 2007, 35, 497-503.	1.4	20
76	Influence of gap size on organic matter decomposition, microbial biomass and nutrient cycle in Calabrian pine ( <i>Pinus laricio</i> , Poiret) stands. <i>Forest Ecology and Management</i> , 2007, 242, 412-418.	3.2	86
77	Relationship between molecular characteristics of soil humic fractions and glycolytic pathway and krebs cycle in maize seedlings. <i>Soil Biology and Biochemistry</i> , 2007, 39, 3138-3146.	8.8	164
78	Stomatal Responses to Humic Substances and Auxin are Sensitive to Inhibitors of Phospholipase A2. <i>Plant and Soil</i> , 2006, 283, 175-185.	3.7	54
79	Seasonal fluctuations in soil phenolics of a coniferous forest: effects on seed germination of different coniferous species. <i>Plant and Soil</i> , 2006, 284, 305-318.	3.7	60
80	The Auxin-like Activity of Humic Substances is Related to Membrane Interactions in Carrot Cell Cultures. <i>Journal of Chemical Ecology</i> , 2006, 33, 115-129.	1.8	84
81	Variations in soil chemical properties and microbial biomass in artificial gaps in silver fir stands. <i>European Journal of Forest Research</i> , 2006, 126, 59-65.	2.5	23
82	The Effects Of Humic Substances On <i>Pinus</i> Callus Are Reversed By 2,4-Dichlorophenoxyacetic Acid. <i>Journal of Chemical Ecology</i> , 2005, 31, 577-590.	1.8	10
83	Early effects of phenolic compounds, extracted from two forest litters, on ammonium uptake and assimilation in <i>Pinus laricio</i> and <i>Pinus pinaster</i> seedlings. <i>Plant and Soil</i> , 2005, 269, 309-320.	3.7	9
84	Influence of Acidity on Growth and Biochemistry of <i>Pennisetum clandestinum</i> . <i>Biologia Plantarum</i> , 2004, 48, 133-136.	1.9	15
85	Title is missing!. <i>Plant Growth Regulation</i> , 2003, 41, 57-62.	3.4	27
86	Effects of salinity on growth, carbohydrate metabolism and nutritive properties of kikuyu grass ( <i>Pennisetum clandestinum</i> Hochst). <i>Plant Science</i> , 2003, 164, 1103-1110.	3.6	84
87	Physiological effects of humic substances on higher plants. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1527-1536.	8.8	728
88	Title is missing!. <i>Plant Growth Regulation</i> , 2002, 37, 1-5.	3.4	7
89	The effect of phenols on respiratory enzymes in seed germination. <i>Plant Growth Regulation</i> , 2001, 35, 31-35.	3.4	119
90	EFFECT OF HUMIC SUBSTANCES ON NITROGEN UPTAKE AND ASSIMILATION IN TWO SPECIES OF <i>PINUS</i> . <i>Journal of Plant Nutrition</i> , 2001, 24, 693-704.	1.9	36

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91	Earthworm humic matter produces auxin-like effects on <i>Daucus carota</i> cell growth and nitrate metabolism. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1303-1311.	8.8	201
92	Biological activity of humic substances extracted from soils under different vegetation cover. <i>Communications in Soil Science and Plant Analysis</i> , 1999, 30, 621-634.	1.4	16
93	IAA detection in humic substances. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1199-1201.	8.8	107
94	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in <i>Daucus carota</i> ? II cells. <i>Biology and Fertility of Soils</i> , 1996, 22, 83-88.	4.3	45
95	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in <i>Daucus carota</i> ? II cells. <i>Biology and Fertility of Soils</i> , 1996, 22, 83-88.	4.3	2
96	IAA Radioimmunoassay in humic substances using antibodies against ring-linked IAA. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1995, 129, 1018-1019.	0.0	0
97	Glutamine Synthetase in Cells from Carrot ( <i>Daucus carota</i> L.): Interaction between Phosphinothricin and Glutamate. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1995, , 589-594.	0.0	0
98	Auxin-like effect of humic substances extracted from faeces of <i>Allolobophora caliginosa</i> and <i>A. rosea</i> . <i>Soil Biology and Biochemistry</i> , 1994, 26, 1341-1346.	8.8	70
99	Effect of earthworm humic substances on esterase and peroxidase activity during growth of leaf explants of <i>Nicotiana plumbaginifolia</i> . <i>Biology and Fertility of Soils</i> , 1993, 15, 127-131.	4.3	67
100	Biological Activities of Humic Substances. , 0, , 305-339.		77
101	Effect of long-term irrigation water salinity on soil properties and microbial biomass. <i>Ecological Questions</i> , 0, 14, 77.	0.3	2
102	Root plasticity improves salt tolerance in different genotypes of lentil ( <i>Lens culinaris</i> ). <i>Ecological Questions</i> , 0, 14, 95.	0.3	4
103	Short-term changes in soil properties after prescribed fire and mulching with fern in Mediterranean forests. <i>Journal of Forestry Research</i> , 0, , 1.	3.6	10