

# Susana Redondo-Gmez

## List of Publications by Citations

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96  
papers

2,772  
citations

30  
h-index

49  
g-index

100  
ext. papers

3,208  
ext. citations

4.6  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
96	Growth and photosynthetic responses to salinity of the salt-marsh shrub <i>Atriplex portulacoides</i> . <i>Annals of Botany</i> , <b>2007</b> , 100, 555-63	4.1	187
95	Salt stimulation of growth and photosynthesis in an extreme halophyte, <i>Arthrocnemum macrostachyum</i> . <i>Plant Biology</i> , <b>2010</b> , 12, 79-87	3.7	139
94	Growth and photosynthetic responses to salinity in an extreme halophyte, <i>Sarcocornia fruticosa</i> . <i>Physiologia Plantarum</i> , <b>2006</b> , 128, 116-124	4.6	122
93	Arbuscular mycorrhizal symbiosis ameliorates the optimum quantum yield of photosystem II and reduces non-photochemical quenching in rice plants subjected to salt stress. <i>Journal of Plant Physiology</i> , <b>2015</b> , 185, 75-83	3.6	111
92	Comparison of the role of two <i>Spartina</i> species in terms of phytostabilization and bioaccumulation of metals in the estuarine sediment. <i>Marine Pollution Bulletin</i> , <b>2008</b> , 56, 2037-42	6.7	105
91	Accumulation and tolerance characteristics of cadmium in a halophytic Cd-hyperaccumulator, <i>Arthrocnemum macrostachyum</i> . <i>Journal of Hazardous Materials</i> , <b>2010</b> , 184, 299-307	12.8	87
90	Accumulation and tolerance characteristics of chromium in a cordgrass Cr-hyperaccumulator, <i>Spartina argentinensis</i> . <i>Journal of Hazardous Materials</i> , <b>2011</b> , 185, 862-9	12.8	81
89	Endophytic Cultivable Bacteria of the Metal Bioaccumulator <i>Spartina maritima</i> Improve Plant Growth but Not Metal Uptake in Polluted Marshes Soils. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1450	5.7	77
88	Facilitated invasion by hybridization of <i>Sarcocornia</i> species in a salt-marsh succession. <i>Journal of Ecology</i> , <b>2003</b> , 91, 616-626	6	74
87	Influences of salinity and light on germination of three <i>Sarcocornia</i> taxa with contrasted habitats. <i>Aquatic Botany</i> , <b>2004</b> , 78, 255-264	1.8	74
86	Growth and photosynthetic responses to zinc stress of an invasive cordgrass, <i>Spartina densiflora</i> . <i>Plant Biology</i> , <b>2008</b> , 10, 754-62	3.7	73
85	Moving closer towards restoration of contaminated estuaries: Bioaugmentation with autochthonous rhizobacteria improves metal rhizoaccumulation in native <i>Spartina maritima</i> . <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 263-271	12.8	61
84	Scouting contaminated estuaries: heavy metal resistant and plant growth promoting rhizobacteria in the native metal rhizoaccumulator <i>Spartina maritima</i> . <i>Marine Pollution Bulletin</i> , <b>2015</b> , 90, 150-9	6.7	60
83	Biological Flora of the British Isles: <i>Sarcocornia perennis</i> (Miller) A.J. Scott. <i>Journal of Ecology</i> , <b>2006</b> , 94, 1035-1048	6	59
82	Growth and photosynthetic responses to copper stress of an invasive cordgrass, <i>Spartina densiflora</i> . <i>Marine Environmental Research</i> , <b>2008</b> , 66, 459-65	3.3	58
81	Bioaccumulation of heavy metals in <i>Spartina</i> . <i>Functional Plant Biology</i> , <b>2013</b> , 40, 913-921	2.7	55
80	Assessing the role of endophytic bacteria in the halophyte <i>Arthrocnemum macrostachyum</i> salt tolerance. <i>Plant Biology</i> , <b>2017</b> , 19, 249-256	3.7	53

79	Growth, reproductive and photosynthetic responses to copper in the yellow-horned poppy, <i>Glaucium flavum</i> Crantz.. <i>Environmental and Experimental Botany</i> , <b>2011</b> , 71, 57-64	5.9	51
78	Synergic effect of salinity and zinc stress on growth and photosynthetic responses of the cordgrass, <i>Spartina densiflora</i> . <i>Journal of Experimental Botany</i> , <b>2011</b> , 62, 5521-30	7	49
77	Synergic effect of salinity and CO <sub>2</sub> enrichment on growth and photosynthetic responses of the invasive cordgrass <i>Spartina densiflora</i> . <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 1643-54	7	48
76	Carry-over of differential salt tolerance in plants grown from dimorphic seeds of <i>Suaeda splendens</i> . <i>Annals of Botany</i> , <b>2008</b> , 102, 103-12	4.1	47
75	Prospecting metal-resistant plant-growth promoting rhizobacteria for rhizoremediation of metal contaminated estuaries using <i>Spartina densiflora</i> . <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 3713-21	5.1	44
74	Short-term responses to salinity of an invasive cordgrass. <i>Biological Invasions</i> , <b>2005</b> , 7, 29-35	2.7	42
73	PGPR Reduce Root Respiration and Oxidative Stress Enhancing Root Growth and Heavy Metal Rhizoaccumulation. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1500	6.2	41
72	Comparison of germination, growth, photosynthetic responses and metal uptake between three populations of <i>Spartina densiflora</i> under different soil pollution conditions. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 2040-9	7	38
71	Growth and photosynthetic responses of the cordgrass <i>Spartina maritima</i> to CO <sub>2</sub> enrichment and salinity. <i>Chemosphere</i> , <b>2010</b> , 81, 725-31	8.4	37
70	Physiological and biochemical mechanisms preventing Cd-toxicity in the hyperaccumulator <i>Atriplex halimus</i> L. <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 106, 30-8	5.4	34
69	Safe Cultivation of in Metal-Polluted Soils from Semi-Arid Regions Assisted by Heat- and Metallo-Resistant PGPR. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	33
68	Effectiveness of glyphosate and imazamox on the control of the invasive cordgrass <i>Spartina densiflora</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 1694-700	7	31
67	Growth and photosynthetic limitation analysis of the Cd-accumulator <i>Salicornia ramosissima</i> under excessive cadmium concentrations and optimum salinity conditions. <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 109, 103-113	5.4	31
66	Investigating the mechanisms underlying phytoprotection by plant growth-promoting rhizobacteria in <i>Spartina densiflora</i> under metal stress. <i>Plant Biology</i> , <b>2018</b> , 20, 497-506	3.7	30
65	Halophyte fatty acids as biomarkers of anthropogenic-driven contamination in Mediterranean marshes: Sentinel species survey and development of an integrated biomarker response (IBR) index. <i>Ecological Indicators</i> , <b>2018</b> , 87, 86-96	5.8	30
64	Tolerance to and accumulation of arsenic in the cordgrass <i>Spartina densiflora</i> Brongn. <i>Bioresource Technology</i> , <b>2012</b> , 104, 187-94	11	29
63	Environmental limitations on recruitment from seed in invasive <i>Spartina densiflora</i> on a southern European salt marsh. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 79, 727-732	2.9	29
62	Response of Holm oak ( <i>Quercus ilex</i> subsp. <i>ballota</i> ) and mastic shrub ( <i>Pistacia lentiscus</i> L.) seedlings to high concentrations of Cd and Tl in the rhizosphere. <i>Chemosphere</i> , <b>2011</b> , 83, 1166-74	8.4	27

61	Chloroplast ultrastructure and thylakoid polypeptide composition are affected by different salt concentrations in the halophytic plant <i>Arthrocnemum macrostachyum</i> . <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 111-6	3.6	26
60	The role of two <i>Spartina</i> species in phytostabilization and bioaccumulation of Co, Cr, and Ni in the Tinto-Diel estuary (SW Spain). <i>Hydrobiologia</i> , <b>2011</b> , 671, 95-103	2.4	26
59	Improving legume nodulation and Cu rhizostabilization using a genetically modified rhizobia. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 1237-45	2.6	25
58	Effects of Salinity on Germination and Seedling Establishment of Endangered <i>Limonium emarginatum</i> (Willd.) O. Kuntze. <i>Journal of Coastal Research</i> , <b>2008</b> , 1, 201-205	0.6	25
57	Bioaugmentation with bacteria selected from the microbiome enhances <i>Arthrocnemum macrostachyum</i> metal accumulation and tolerance. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 117, 340-347	6.7	24
56	Modulation of <i>Spartina densiflora</i> plant growth and metal accumulation upon selective inoculation treatments: A comparison of gram negative and gram positive rhizobacteria. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 125, 77-85	6.7	23
55	Physiological responses to salinity in the yellow-horned poppy, <i>Glaucium flavum</i> . <i>Plant Physiology and Biochemistry</i> , <b>2011</b> , 49, 186-94	5.4	23
54	Supporting <i>Spartina</i> : Interdisciplinary perspective shows <i>Spartina</i> as a distinct solid genus. <i>Ecology</i> , <b>2019</b> , 100, e02863	4.6	22
53	Contrasting strategies to cope with drought by invasive and endemic species of <i>Lantana</i> in Galapagos. <i>Biodiversity and Conservation</i> , <b>2007</b> , 16, 2123-2136	3.4	21
52	Impact of Plant Growth Promoting Bacteria on Ecophysiology and Heavy Metal Phytoremediation Capacity in Estuarine Soils. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 553018	5.7	21
51	Disentangling the effect of atmospheric CO <sub>2</sub> enrichment on the halophyte <i>Salicornia ramosissima</i> J. Woods physiological performance under optimal and suboptimal saline conditions. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 127, 617-629	5.4	19
50	Effect of Plant Growth-Promoting Rhizobacteria on <i>Salicornia ramosissima</i> Seed Germination under Salinity, CO <sub>2</sub> and Temperature Stress. <i>Agronomy</i> , <b>2019</b> , 9, 655	3.6	19
49	Bracteoles affect germination and seedling establishment in a Mediterranean population of <i>Atriplex portulacoides</i> . <i>Aquatic Botany</i> , <b>2007</b> , 86, 93-96	1.8	18
48	Fundamental niche differentiation in subspecies of <i>Sarcocornia perennis</i> on a salt marsh elevational gradient. <i>Marine Ecology - Progress Series</i> , <b>2007</b> , 347, 15-20	2.6	17
47	Growth, nutrient status, and photosynthetic response to diesel-contaminated soil of a cordgrass, <i>Spartina argentinensis</i> . <i>Marine Pollution Bulletin</i> , <b>2014</b> , 79, 34-8	6.7	16
46	<i>Spartina densiflora</i> demonstrates high tolerance to phenanthrene in soil and reduces its concentration. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 1800-8	6.7	16
45	Effect of the herbicides terbuthylazine and glyphosate on photosystem II photochemistry of young olive ( <i>Olea europaea</i> ) plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5528-34	5.7	15
44	Factors influencing seed germination of <i>Cyperus capitatus</i> , inhabiting the moving sand dunes in southern Europe. <i>Journal of Arid Environments</i> , <b>2011</b> , 75, 309-312	2.5	14

43	Presence of internal photosynthetic cylinder surrounding the stele in stems of the tribe Salicornieae (Chenopodiaceae) from SW Iberian Peninsula. <i>Photosynthetica</i> , <b>2005</b> , 43, 157-159	2.2	13
42	Microbulbifer rhizosphaerae sp. nov., isolated from the rhizosphere of the halophyte <i>Arthrocnemum macrostachyum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2016</b> , 66, 1844-1850	2.2	13
41	Investigating the physiological mechanisms underlying <i>Salicornia ramosissima</i> response to atmospheric CO <sub>2</sub> enrichment under coexistence of prolonged soil flooding and saline excess. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 135, 149-159	5.4	13
40	Impact of short-term extreme temperature events on physiological performance of <i>Salicornia ramosissima</i> J. Woods under optimal and sub-optimal saline conditions. <i>Scientific Reports</i> , <b>2019</b> , 9, 659	4.9	12
39	Salinity alleviates zinc toxicity in the saltmarsh zinc-accumulator <i>Juncus acutus</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 478-485	7	12
38	<i>Labrenzia salina</i> sp. nov., isolated from the rhizosphere of the halophyte <i>Arthrocnemum macrostachyum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2016</b> , 66, 5173-5180	2.2	12
37	Heavy Metals and Trace Element Concentrations in Intertidal Soils of Four Estuaries of SW Iberian Peninsula. <i>Soil and Sediment Contamination</i> , <b>2009</b> , 18, 320-327	3.2	11
36	Interpopulation Differences in Salinity Tolerance of the Invasive Cordgrass <i>Spartina densiflora</i> : Implications for Invasion Process. <i>Estuaries and Coasts</i> , <b>2016</b> , 39, 98-107	2.8	10
35	Physiological characterization of photosynthesis, chloroplast ultrastructure, and nutrient content in bracts and rosette leaves from <i>Glaucium flavum</i> . <i>Photosynthetica</i> , <b>2010</b> , 48, 488-493	2.2	9
34	The ACC-Deaminase Producing Bacterium sp CT7.15 as a Tool for Improving Nodulation and Growth in Arid Regions of Tunisia. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	8
33	Abiotic and Biotic Stress Tolerance in Plants <b>2013</b> , 1-20		8
32	Exploring molecular variation in the cosmopolitan <i>Caprella penantis</i> (Crustacea: Amphipoda): results from RAPD analysis. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2010</b> , 90, 617-622	1.1	8
31	The effect of heavy metal contamination pre-conditioning in the heat stress tolerance of native and invasive Mediterranean halophytes. <i>Ecological Indicators</i> , <b>2020</b> , 111, 106045	5.8	8
30	Highlighting the differential role of leaf paraheliotropism in two Mediterranean <i>Cistus</i> species under drought stress and well-watered conditions. <i>Journal of Plant Physiology</i> , <b>2017</b> , 213, 199-208	3.6	7
29	Effect of prior salt experience on desalination capacity of the halophyte <i>Arthrocnemum macrostachyum</i> . <i>Desalination</i> , <b>2019</b> , 463, 50-54	10.3	7
28	Soil phenanthrene phytoremediation capacity in bacteria-assisted <i>Spartina densiflora</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 182, 109382	7	7
27	Synergic effect of salinity and light-chilling on photosystem II photochemistry of the halophyte, <i>Sarcocornia fruticosa</i> . <i>Journal of Arid Environments</i> , <b>2009</b> , 73, 586-589	2.5	7
26	<i>Caprella penantis</i> Leach, 1814 and <i>Caprella dilatata</i> Kroyer, 1843 (Crustacea: Amphipoda) from the Strait of Gibraltar: a molecular approach to explore intra- and interspecific variation. <i>Marine Biology Research</i> , <b>2006</b> , 2, 100-108	1	7

25	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve Response of Eight Crops to Soil Salinization and Climate Change Conditions. <i>Agronomy</i> , <b>2021</b> , 11, 1609	3.6	7
24	Dissipation and effects of tricyclazole on soil microbial communities and rice growth as affected by amendment with alperujo compost. <i>Science of the Total Environment</i> , <b>2016</b> , 550, 637-644	10.2	6
23	Combined effect of diuron and simazine on photosystem II photochemistry in a sandy soil and soil amended with solid olive-mill waste. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2007</b> , 42, 249-54	2.2	6
22	Importance of Physiological Traits Vulnerability in Determine Halophytes Tolerance to Salinity Excess: A Comparative Assessment in. <i>Plants</i> , <b>2020</b> , 9,	4.5	5
21	Combined effect of Cr-toxicity and temperature rise on physiological and biochemical responses of <i>Atriplex halimus</i> L. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 132, 675-682	5.4	5
20	<i>Kocuria salina</i> sp. nov., an actinobacterium isolated from the rhizosphere of the halophyte <i>Arthrocnemum macrostachyum</i> and emended description of <i>Kocuria turfanensis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2017</b> , 67, 5006-5012	2.2	5
19	<i>Kushneria phyllosphaerae</i> sp. nov. and <i>Kushneria endophytica</i> sp. nov., plant growth promoting endophytes isolated from the halophyte plant <i>Arthrocnemum macrostachyum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2018</b> , 68, 2800-2806	2.2	5
18	Coastal Ecosystems as Sources of Biofertilizers in Agriculture: From Genomics to Application in an Urban Orchard. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	5
17	Differential photosynthetic performance of three Mediterranean shrubs under grazing by domestic goats. <i>Photosynthetica</i> , <b>2010</b> , 48, 348-354	2.2	4
16	Atmospheric CO <sub>2</sub> enrichment effect on the Cu-tolerance of the C <sub>4</sub> cordgrass <i>Spartina densiflora</i> . <i>Journal of Plant Physiology</i> , <b>2018</b> , 220, 155-166	3.6	4
15	Improved Nodulation under Stress Assisted by sp. Endophytes.. <i>Plants</i> , <b>2022</b> , 11,	4.5	4
14	Mediterranean seasonality and the halophyte <i>Arthrocnemum macrostachyum</i> determine the bacterial community in salt marsh soils in Southwest Spain. <i>Applied Soil Ecology</i> , <b>2020</b> , 151, 103532	5	3
13	Microbial strategies in non-target invasive <i>Spartina densiflora</i> for heavy metal clean up in polluted saltmarshes. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 238, 106730	2.9	3
12	Effect of herbicide and soil amendment on growth and photosynthetic responses in olive crops. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2007</b> , 42, 523-8	2.2	3
11	Inter-population differences tolerance to Cu excess during the initials phases of <i>Juncus acutus</i> life cycle: implications for the design of metal restoration strategies. <i>International Journal of Phytoremediation</i> , <b>2019</b> , 21, 550-555	3.9	3
10	Consortia of Plant-Growth-Promoting Rhizobacteria Isolated from Halophytes Improve the Response of Swiss Chard to Soil Salinization. <i>Agronomy</i> , <b>2022</b> , 12, 468	3.6	3
9	Modular response to salinity in the annual halophyte, <i>Salicornia ramosissima</i> . <i>Photosynthetica</i> , <b>2010</b> , 48, 157-160	2.2	2
8	<i>Sarcocornia fruticosa</i> photosynthetic response to short-term extreme temperature events in combination with optimal and sub-optimal salinity concentrations. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 148, 45-52	5.4	2

7	Role of Nodulation-Enhancing Rhizobacteria in the Promotion of Development in Nutrient-Poor Soils.. <i>Plants</i> , <b>2022</b> , 11,	4.5	2
6	Uncovering PGPB <i>Vibrio spartinae</i> inoculation-triggered physiological mechanisms involved in the tolerance of <i>Halimione portulacoides</i> to NaCl excess. <i>Plant Physiology and Biochemistry</i> , <b>2020</b> , 154, 151-159	5.4	1
5	Seasonal ecophysiology of an endangered coastal species, the yellow-horned poppy ( <i>Glaucium flavum</i> Crantz). <i>Russian Journal of Ecology</i> , <b>2014</b> , 45, 215-222	0.7	1
4	Identification of a 2-cys peroxiredoxin as a tetramethyl benzidine-hydrogen peroxide stained protein from the thylakoids of the extreme halophyte <i>Arthrocnemum macrostachyum</i> L. <i>Plant Physiology and Biochemistry</i> , <b>2012</b> , 57, 59-66	5.4	1
3	Photosynthetic responses to light intensity of <i>Sarcocornia</i> taxa (Chenopodiaceae). <i>Russian Journal of Plant Physiology</i> , <b>2010</b> , 57, 887-891	1.6	1
2	Understanding the impact of a complex environmental matrix associated with climate change on the European marshes engineer species <i>Spartina maritima</i> . <i>Environmental and Experimental Botany</i> , <b>2021</b> , 182, 104304	5.9	1
1	Assessing the Biofortification of Wheat Plants by Combining a Plant Growth-Promoting Rhizobacterium (PGPR) and Polymeric Fe-Nanoparticles: Allies or Enemies?. <i>Agronomy</i> , <b>2022</b> , 12, 228	3.6	0