

# Martha-Helena RamÃ- rez-Bahena

## List of Publications by Year in descending order

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72  
papers

3,252  
citations

136950

32  
h-index

161849

54  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Associations with Legumes. <i>Critical Reviews in Plant Sciences</i> , 2015, 34, 17-42.	5.7	320
2	Historical evolution and current status of the taxonomy of genus <i>Pseudomonas</i> . <i>Infection, Genetics and Evolution</i> , 2009, 9, 1132-1147.	2.3	221
3	The current status on the taxonomy of <i>Pseudomonas</i> revisited: An update. <i>Infection, Genetics and Evolution</i> , 2018, 57, 106-116.	2.3	196
4	Rhizobium Promotes Non-Legumes Growth and Quality in Several Production Steps: Towards a Biofertilization of Edible Raw Vegetables Healthy for Humans. <i>PLoS ONE</i> , 2012, 7, e38122.	2.5	155
5	Revision of the taxonomic status of the species <i>Rhizobium leguminosarum</i> (Frank 1879) Frank 1889AL, <i>Rhizobium phaseoli</i> Dangeard 1926AL and <i>Rhizobium trifolii</i> Dangeard 1926AL. <i>R. trifolii</i> is a later synonym of <i>R. leguminosarum</i> . Reclassification of the strain <i>R. leguminosarum</i> DSM 30132 (=NCIMB) Tj ETQq1 1 0i784314 rgs1 /Oveldo 2008, 58, 2484-2490.	1.7	127
6	<i>Bradyrhizobium pachyrhizi</i> sp. nov. and <i>Bradyrhizobium jicamae</i> sp. nov., isolated from effective nodules of <i>Pachyrhizus erosus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 1929-1934.	1.7	127
7	<i>Rhizobium</i> cellulase CelC2 is essential for primary symbiotic infection of legume host roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7064-7069.	7.1	119
8	Reclassification of <i>Pseudomonas aurantiaca</i> as a synonym of <i>Pseudomonas chlororaphis</i> and proposal of three subspecies, <i>P. chlororaphis</i> subsp. <i>chlororaphis</i> subsp. nov., <i>P. chlororaphis</i> subsp. <i>aureofaciens</i> subsp. nov., comb. nov. and <i>P. chlororaphis</i> subsp. <i>aurantiaca</i> subsp. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1286-1290.	1.7	99
9	<i>Rhizobium laguerreae</i> sp. nov. nodulates <i>Vicia faba</i> on several continents. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 242-247.	1.7	93
10	Definition of a novel symbiovar (sv. <i>retamae</i> ) within <i>Bradyrhizobium retamae</i> sp. nov., nodulating <i>Retama sphaerocarpa</i> and <i>Retama monosperma</i> . <i>Systematic and Applied Microbiology</i> , 2013, 36, 218-223.	2.8	88
11	Diversity of Potassium-Solubilizing Microorganisms and Their Interactions with Plants. , 2016, , 99-110.		76
12	Life in an Arsenic-Containing Gold Mine: Genome and Physiology of the Autotrophic Arsenite-Oxidizing Bacterium <i>Rhizobium</i> sp. NT-26. <i>Genome Biology and Evolution</i> , 2013, 5, 934-953.	2.5	60
13	<i>Bradyrhizobium rifense</i> sp. nov. isolated from effective nodules of <i>Cytisus villosus</i> grown in the Moroccan Rif. <i>Systematic and Applied Microbiology</i> , 2012, 35, 302-305.	2.8	55
14	Distribution and efficiency of <i>Rhizobium leguminosarum</i> strains nodulating <i>Phaseolus vulgaris</i> in Northern Spanish soils: Selection of native strains that replace conventional N fertilization. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2283-2293.	8.8	53
15	<i>Vigna unguiculata</i> is nodulated in Spain by endosymbionts of Genisteeae legumes and by a new symbiovar ( <i>vignae</i> ) of the genus <i>Bradyrhizobium</i> . <i>Systematic and Applied Microbiology</i> , 2014, 37, 533-540.	2.8	52
16	Revision of the taxonomic status of the species <i>Rhizobium lupini</i> and reclassification as <i>Bradyrhizobium lupini</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1213-1219.	1.7	52
17	Reclassification of strains MAFF 303099T and R7A into <i>Mesorhizobium japonicum</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4936-4941.	1.7	52
18	<i>Pseudomonas coleopterorum</i> sp. nov., a cellulase-producing bacterium isolated from the bark beetle <i>Hylesinus fraxini</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2852-2858.	1.7	50

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19	The analysis of core and symbiotic genes of rhizobia nodulating <i>Vicia</i> from different continents reveals their common phylogenetic origin and suggests the distribution of <i>Rhizobium leguminosarum</i> strains together with <i>Vicia</i> seeds. <i>Archives of Microbiology</i> , 2009, 191, 659-668.	2.2	49
20	Phylogenetic diversity based on <i>rrs</i> , <i>atpD</i> , <i>recA</i> genes and 16S-23S intergenic sequence analyses of rhizobial strains isolated from <i>Vicia faba</i> and <i>Pisum sativum</i> in Peru. <i>Archives of Microbiology</i> , 2008, 189, 239-247.	2.2	48
21	<i>Bradyrhizobium centrosemae</i> (symbiovar <i>centrosemae</i> ) sp. nov., <i>Bradyrhizobium americanum</i> (symbiovar <i>phaseolarum</i> ) sp. nov. and a new symbiovar ( <i>tropici</i> ) of <i>Bradyrhizobium viridifuturi</i> establish symbiosis with <i>Centrosema</i> species native to America. <i>Systematic and Applied Microbiology</i> , 2016, 39, 378-383.	2.8	48
22	Defining the <i>Rhizobium leguminosarum</i> Species Complex. <i>Genes</i> , 2021, 12, 111.	2.4	48
23	Revision of the taxonomic status of type strains of <i>Mesorhizobium loti</i> and reclassification of strain USDA 3471T as the type strain of <i>Mesorhizobium erdmanii</i> sp. nov. and ATCC 33669T as the type strain of <i>Mesorhizobium jarvisii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1703-1708.	1.7	47
24	Reclassification of <i>Agromonas oligotrophica</i> into the genus <i>Bradyrhizobium</i> as <i>Bradyrhizobium oligotrophicum</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1013-1016.	1.7	46
25	<i>Phyllobacterium loti</i> sp. nov. isolated from nodules of <i>Lotus corniculatus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 781-786.	1.7	46
26	<i>Endobacter medicaginis</i> gen. nov., sp. nov., isolated from alfalfa nodules in an acidic soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1760-1765.	1.7	45
27	Single acquisition of protelomerase gave rise to speciation of a large and diverse clade within the <i>Agrobacterium/Rhizobium</i> supercluster characterized by the presence of a linear chromid. <i>Molecular Phylogenetics and Evolution</i> , 2014, 73, 202-207.	2.7	44
28	<i>Pseudomonas guariconensis</i> sp. nov., isolated from rhizospheric soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4413-4420.	1.7	43
29	<i>Pseudomonas helmanticensis</i> sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2338-2345.	1.7	42
30	<i>Paenibacillus prosopidis</i> sp. nov., isolated from the nodules of <i>Prosopis farcta</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2182-2186.	1.7	40
31	Mesorhizobial strains nodulating <i>Anagyris latifolia</i> and <i>Lotus berthelotii</i> in Tamadaya ravine (Tenerife, Canary Islands) are two symbiovars of the same species, <i>Mesorhizobium tamadayense</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2012, 35, 334-341.	2.8	39
32	<i>Paenibacillus endophyticus</i> sp. nov., isolated from nodules of <i>Cicer arietinum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4433-4438.	1.7	37
33	<i>Pseudorhizobium pelagicum</i> gen. nov., sp. nov. isolated from a pelagic Mediterranean zone. <i>Systematic and Applied Microbiology</i> , 2015, 38, 293-299.	2.8	37
34	<i>Cohnella lupini</i> sp. nov., an endophytic bacterium isolated from root nodules of <i>Lupinus albus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 83-87.	1.7	34
35	<i>Paenibacillus lupini</i> sp. nov., isolated from nodules of <i>Lupinus albus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3028-3033.	1.7	32
36	<i>Pseudomonas punonensis</i> sp. nov., isolated from straw. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1834-1839.	1.7	30

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37	Identification at the species and symbiovar levels of strains nodulating <i>Phaseolus vulgaris</i> in saline soils of the Marrakech region (Morocco) and analysis of the <i>otsA</i> gene putatively involved in osmotolerance. <i>Systematic and Applied Microbiology</i> , 2012, 35, 156-164.	2.8	28
38	Analysis of rhizobial strains nodulating <i>Phaseolus vulgaris</i> from Hispaniola Island, a geographic bridge between Meso and South America and the first historical link with Europe. <i>Systematic and Applied Microbiology</i> , 2014, 37, 149-156.	2.8	26
39	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1207-1216.	1.7	25
40	Invasion of the Brazilian campo rupestre by the exotic grass <i>Melinis minutiflora</i> is driven by the high soil N availability and changes in the N cycle. <i>Science of the Total Environment</i> , 2017, 577, 202-211.	8.0	24
41	Physiological and antioxidant responses of <i>Medicago sativa</i> -rhizobia symbiosis to cyanobacterial toxins (Microcystins) exposure. <i>Toxicon</i> , 2013, 76, 167-177.	1.6	22
42	<i>Mesorhizobium helmanticense</i> sp. nov., isolated from <i>Lotus corniculatus</i> nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2301-2305.	1.7	21
43	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
44	<i>Phyllobacterium salinisoli</i> sp. nov., isolated from a <i>Lotus lancerottensis</i> root nodule in saline soil from Lanzarote. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1085-1089.	1.7	20
45	<i>Pseudomonas endophytica</i> sp. nov., isolated from stem tissue of <i>Solanum tuberosum</i> L. in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2110-2117.	1.7	17
46	Genome Analysis of <i>Endobacterium cerealis</i> , a Novel Genus and Species Isolated from <i>Zea mays</i> Roots in North Spain. <i>Microorganisms</i> , 2020, 8, 939.	3.6	17
47	<i>Paenibacillus periandrae</i> sp. nov., isolated from nodules of <i>Periandra mediterranea</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1838-1843.	1.7	16
48	<i>Centrosema</i> is a promiscuous legume nodulated by several new putative species and symbiovars of <i>Bradyrhizobium</i> in various American countries. <i>Systematic and Applied Microbiology</i> , 2013, 36, 392-400.	2.8	15
49	<i>Fontibacillus phaseoli</i> sp. nov. isolated from <i>Phaseolus vulgaris</i> nodules. <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 23-28.	1.7	14
50	<i>Pseudomonas turukhanskensis</i> sp. nov., isolated from oil-contaminated soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4657-4664.	1.7	14
51	<i>Brevundimonas canariensis</i> sp. nov., isolated from roots of <i>Triticum aestivum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 969-973.	1.7	14
52	Legume bioactive compounds: influence of rhizobial inoculation. <i>AIMS Microbiology</i> , 2017, 3, 267-278.	2.2	14
53	The <i>celC</i> gene, a new phylogenetic marker useful for taxonomic studies in <i>Rhizobium</i> . <i>Systematic and Applied Microbiology</i> , 2011, 34, 393-399.	2.8	13
54	Reclassification of <i>Arthrobacter viscosus</i> as <i>Rhizobium viscosum</i> comb. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1789-1792.	1.7	13

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55	<i>Pseudomonas edaphica</i> sp. nov., isolated from rhizospheric soil of <i>Cistus ladanifer</i> L. in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3141-3147.	1.7	13
56	<i>Erwinia endophytica</i> sp. nov., isolated from potato ( <i>Solanum tuberosum</i> L.) stems. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 975-981.	1.7	12
57	Bacteria Involved in Nitrogen-Fixing Legume Symbiosis: Current Taxonomic Perspective. , 2010, , 1-25.		11
58	Characterization of phosphate solubilizing rhizobacteria associated with pea ( <i>Pisum sativum</i> L.) isolated from two agricultural soils. <i>Symbiosis</i> , 2015, 67, 33-41.	2.3	11
59	Alfalfa microsymbionts from different ITS and nodC lineages of <i>Ensifer meliloti</i> and <i>Ensifer medicae</i> symbiovar <i>meliloti</i> establish efficient symbiosis with alfalfa in Spanish acid soils. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4855-4865.	3.6	11
60	<i>Fontibacillus solani</i> sp. nov. isolated from potato ( <i>Solanum tuberosum</i> L.) root. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 1315-1321.	1.7	11
61	The N-fixing legume <i>Periandra mediterranea</i> constrains the invasion of an exotic grass ( <i>Melinis</i> ) Tj ETQq1 1 0.784314.rgBT /Oyerlock 10	3.3	10
62	Current Status of the Taxonomy of Bacteria Able to Establish Nitrogen-Fixing Legume Symbiosis. , 2017, , 1-43.		9
63	<i>Agrobacterium leguminum</i> sp. nov., isolated from nodules of <i>Phaseolus vulgaris</i> in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	9
64	The Mimosoid tree <i>Leucaena leucocephala</i> can be nodulated by the symbiovar <i>genistearum</i> of <i>Bradyrhizobium canariense</i> . <i>Systematic and Applied Microbiology</i> , 2020, 43, 126041.	2.8	7
65	Historia de la investigaci3n en la simbiosis leguminosa-bacteria: una perspectiva did4ctica. <i>Arbor</i> , 2016, 192, a319.	0.3	6
66	<i>Agrobacterium cavarae</i> sp. nov., isolated from maize ( <i>Zea mays</i> L.) roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5512-5519.	1.7	6
67	Rapid and simultaneous detection of linear chromosome and large plasmids in Proteobacteria. <i>Journal of Basic Microbiology</i> , 2012, 52, 736-739.	3.3	5
68	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from Le3n Province in Mainland Spain. , 2016, , 45-53.		5
69	Phylogenetic diversity of rhizobia nodulating <i>Phaseolus vulgaris</i> in Croatia and definition of the symbiovar <i>phaseoli</i> within the species <i>Rhizobium pisi</i> . <i>Systematic and Applied Microbiology</i> , 2019, 42, 126019.	2.8	5
70	<i>Rhizobium croatiense</i> sp. nov. and <i>Rhizobium redzepovicii</i> sp. nov., two new species isolated from nodules of <i>Phaseolus vulgaris</i> in Croatia. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126317.	2.8	5
71	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition. , 2019, , 79-104.		4
72	The Rhizobiaceae Bacteria Transferring Genes to Higher Plants. , 2019, , 269-289.		1