Fabio L Olivares

List of Publications by Year in Descending Order

109 papers	4,845 citations	36 h-index	68 g-index
117 ext. papers	5,788 ext. citations	3.8 avg, IF	5.62 L-index

#	Paper	IF	Citations
109	Characterization of cellular, biochemical and genomic features of the diazotrophic plant growth-promoting bacterium Azospirillum sp. UENF-412522, a novel member of the Azospirillum genus. *Microbiological Research*, **2022**, 254, 126896	5.3	1
108	Microbial inoculants in agriculture and its effects on plant microbiome **2022**, 151-169		
107	Passion fruit plants treated with biostimulants induce defense-related and phytohormone-associated genes. *Plant Gene*, **2022**, 30, 100357	3.1	
106	Mutualistic interaction of native Serratia marcescens UENF-22GI with Trichoderma longibrachiatum UENF-F476 boosting seedling growth of tomato and papaya. *World Journal of Microbiology and Biotechnology*, **2021**, 37, 211	4.4	1
105	Genome sequencing of the vermicompost strain Stenotrophomonas maltophilia UENF-4GII and population structure analysis of the S. maltophilia Sm3 genogroup. *Microbiological Research*, **2021**, 255, 126923	5.3	2
104	Fast Pyrolysis of Peanut Husk Agroindustrial Waste: Intensification of Anhydro Sugar (Levoglucosan) Production. *Waste and Biomass Valorization*, **2021**, 12, 5573-5585	3.2	2
103	Quantitative proteomic analysis reveals altered enzyme expression profile in Zea mays roots during the early stages of colonization by Herbaspirillum seropedicae. *Proteomics*, **2021**, 21, e2000129	4.8	1
102	Plant microbiome structure and benefits for sustainable agriculture. *Current Plant Biology*, **2021**, 26, 100198	3.3	23
101	Plant growth promotion of micropropagated sugarcane seedlings var. Co 412 inoculated with endophytic diazotrophic bacteria and effects on the Ratoon Stunting Disease. *Australasian Plant Pathology*, **2021**, 50, 513	1.4	0
100	Altered bacteria community dominance reduces tolerance to resident fungus and seed to seedling growth performance in maize (Zea mays L. var. DKB 177). *Microbiological Research*, **2021**, 243, 126643	5.3	3
99	Insights into the structure and role of seed-borne bacteriome during maize germination. *FEMS Microbiology Ecology*, **2021**, 97,	4.3	2
98	Acclimation with humic acids enhances maize and tomato tolerance to salinity. *Chemical and Biological Technologies in Agriculture*, **2021**, 8,	4.4	3
97	Attenuations of bacterial spot disease Xanthomonas euvesicatoria on tomato plants treated with biostimulants. *Chemical and Biological Technologies in Agriculture*, **2021**, 8,	4.4	2
96	Rhizobacteria modify root architecture and improve nutrient uptake in oil palm seedlings despite reduced fertilizer. *Rhizosphere*, **2021**, 19, 100420	3.5	3
95	Interaction between Humic Substances and Plant Hormones for Phosphorous Acquisition. *Agronomy*, **2020**, 10, 640	3.6	20
94	Hormonal imbalance triggered by rhizobacteria enhance nutrient use efficiency and biomass in oil palm. *Scientia Horticulturae*, **2020**, 264, 109161	4.1	6
93	From Lab to Field: Role of Humic Substances Under Open-Field and Greenhouse Conditions as Biostimulant and Biocontrol Agent. *Frontiers in Plant Science*, **2020**, 11, 426	6.2	30

92	Humic acids trigger the weak acids stress response in maize seedlings. *Chemical and Biological Technologies in Agriculture*, **2020**, 7,	4.4	6
91	Endophytic diazotrophic bacteria mitigate water deprivation effects in pineapple explants during acclimatization. *Theoretical and Experimental Plant Physiology*, **2020**, 32, 63-77	2.4	3
90	Inoculation with the endophytic bacterium Herbaspirillum seropedicae promotes growth, nutrient uptake and photosynthetic efficiency in rice. *Planta*, **2020**, 252, 87	4.7	5
89	Herbaspirillum **2020**, 493-508		2
88	The Free-Living Stage Growth Conditions of the Endophytic Fungus May Regulate Its Potential as Plant Growth Promoting Microbe. *Frontiers in Microbiology*, **2020**, 11, 562238	5.7	2
87	Plant chemical priming by humic acids. *Chemical and Biological Technologies in Agriculture*, **2020**, 7,	4.4	27
86	Population structure and pangenome analysis of Enterobacter bugandensis uncover the presence of bla, bla and bla, along with sophisticated iron acquisition strategies. *Genomics*, **2020**, 112, 1182-1191	4.3	7
85	Humic acids and Herbaspirillum seropedicae change the extracellular H+ flux and gene expression in maize roots seedlings. *Chemical and Biological Technologies in Agriculture*, **2019**, 6,	4.4	8
84	Evaluation of the effects of humic acids on maize root architecture by label-free proteomics analysis. *Scientific Reports*, **2019**, 9, 12019	4.9	17
83	Evaluation of molecular properties of humic acids from vermicompost by 13 C-CPMAS-NMR spectroscopy and thermochemolysisâ€CâM. *Journal of Analytical and Applied Pyrolysis*, **2019**, 141, 104634	6	17
82	The Amount of Phosphate Solubilization Depends on the Strain, C-Source, Organic Acids and Type of Phosphate. *Geomicrobiology Journal*, **2019**, 36, 232-242	2.5	15
81	Humic Acids Interfere with Nutrient Sensing in Plants Owing to the Differential Expression of TOR. *Journal of Plant Growth Regulation*, **2019**, 38, 216-224	4.7	7
80	Metabolite fingerprints of maize and sugarcane seedlings: searching for markers after inoculation with plant growth-promoting bacteria in humic acids. *Chemical and Biological Technologies in Agriculture*, **2019**, 6,	4.4	11
79	Desiccation-induced viable but nonculturable state in Pseudomonas putida KT2440, a survival strategy. *PLoS ONE*, **2019**, 14, e0219554	3.7	9
78	Synthesis and role of melanin for tolerating rumen digestion in , a nematode-trapping fungus. *Mycology*, **2019**, 10, 229-242	3.7	3
77	Humic acids increase the maize seedlings exudation yield. *Chemical and Biological Technologies in Agriculture*, **2019**, 6,	4.4	14
76	Alkamides: a new class of plant growth regulators linked to humic acid bioactivity. *Chemical and Biological Technologies in Agriculture*, **2019**, 6,	4.4	14
75	Highly specific host-pathogen interactions influence Metarhizium brunneum blastospore virulence against Culex quinquefasciatus larvae. *Virulence*, **2018**, 9, 1449-1467	4.7	8

74	Changes in metabolic profiling of sugarcane leaves induced by endophytic diazotrophic bacteria and humic acids. *PeerJ*, **2018**, 6, e5445	3.1	21
73	Genome sequencing and assessment of plant growth-promoting properties of a Serratia marcescens strain isolated from vermicompost. *BMC Genomics*, **2018**, 19, 750	4.5	34
72	Promoting the growth of Brachiaria decumbens by humic acids (HAs). *Australian Journal of Crop Science*, **2018**, 12, 1114-1121	0.5	2
71	Compost biofortification with diazotrophic and P-solubilizing bacteria improves maturation process and P availability. *Journal of the Science of Food and Agriculture*, **2017**, 97, 949-955	4.3	10
70	Production of border cells and colonization of maize root tips by Herbaspirillum seropedicae are modulated by humic acid. *Plant and Soil*, **2017**, 417, 403-413	4.2	25
69	The biostimulant manufactured using diazotrophic endophytic bacteria and humates is effective to increase sugarcane yield. *Chemical and Biological Technologies in Agriculture*, **2017**, 4,	4.4	18
68	Mixed rhizobia and Herbaspirillum seropedicae inoculations with humic acid-like substances improve water-stress recovery in common beans. *Chemical and Biological Technologies in Agriculture* , **2017**, 4,	4.4	19
67	Plant growth promoting bacteria and humic substances: crop promotion and mechanisms of action. *Chemical and Biological Technologies in Agriculture*, **2017**, 4,	4.4	50
66	Endophytic colonization of Arabidopsis thaliana by Gluconacetobacter diazotrophicus and its effect on plant growth promotion, plant physiology, and activation of plant defense. *Plant and Soil*, **2016**, 399, 257-270	4.2	36
65	Phosphorus speciation and high-affinity transporters are influenced by humic substances. *Journal of Plant Nutrition and Soil Science*, **2016**, 179, 206-214	2.3	27
64	Differential effects of salinity and osmotic stress on the plant growth-promoting bacterium Gluconacetobacter diazotrophicus PAL5. *Archives of Microbiology*, **2016**, 198, 287-94	3	13
63	Endophytic colonization of sugarcane (Saccharum officinarum) by the novel diazotrophs Shinella sp. UYSO24 and Enterobacter sp. UYSO10. *Plant and Soil*, **2016**, 403, 403-418	4.2	8
62	Diazotrophic bacteria and nitrogen fertilization on the growth of micropropagated pineapple plantlets during acclimatization. *Ciencia Rural*, **2016**, 46, 1952-1958	1.3	1
61	Metabolic profile and antioxidant responses during drought stress recovery in sugarcane treated with humic acids and endophytic diazotrophic bacteria. *Annals of Applied Biology*, **2016**, 168, 203-213	2.6	40
60	Plant growth promotion by streptomycetes: ecophysiology, mechanisms and applications. *Chemical and Biological Technologies in Agriculture*, **2016**, 3,	4.4	58
59	Functional uncoupling of the tonoplast proton pump and its effect on the flesh gelling physiological disorder in papaya fruit. *Scientia Horticulturae*, **2015**, 187, 115-121	4.1	1
58	Humic and fulvic acids as biostimulants in horticulture. *Scientia Horticulturae*, **2015**, 196, 15-27	4.1	352
57	Humic substances from vermicompost enhance urban lettuce production. *Agronomy for Sustainable Development*, **2015**, 35, 225-232	6.8	34

56	Initial pH of medium affects organic acids production but do not affect phosphate solubilization. *Brazilian Journal of Microbiology*, **2015**, 46, 367-75	2.2	21
55	Humic matter elicits proton and calcium fluxes and signaling dependent on Ca2+-dependent protein kinase (CDPK) at early stages of lateral plant root development. *Chemical and Biological Technologies in Agriculture*, **2015**, 2, 3	4.4	37
54	Substrate biofortification in combination with foliar sprays of plant growth promoting bacteria and humic substances boosts production of organic tomatoes. *Scientia Horticulturae*, **2015**, 183, 100-108	4.1	81
53	Cuban zeolite as ammonium carrier in urea-based fertilizer pellets: Photoacoustic-based sensor for monitoring N-ammonia losses by volatilization in aqueous solutions. *Sensors and Actuators B: Chemical*, **2015**, 212, 35-40	8.5	6
52	Molecular characteristics of humic acids isolated from vermicomposts and their relationship to bioactivity. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 11412-9	5.7	39
51	Physiological responses to humic substances as plant growth promoter. *Chemical and Biological Technologies in Agriculture*, **2014**, 1, 3	4.4	201
50	Soil Organic Matter Quality From Soils Cropped by Traditional Peasants. *Sustainable Agriculture Research*, **2014**, 3, 63	1	0
49	Detection and cellular localization of Xanthomonas campestris pv. viticola in seeds of commercial Red Globe grapes. *Tropical Plant Pathology*, **2014**, 39, 134-140	2.5	6
48	Performance of pineapple slips inoculated with diazotrophic phosphate-solubilizing bacteria and rock phosphate. *Revista Ceres*, **2014**, 61, 414-423	0.7	
47	Root exudate profiling of maize seedlings inoculated with Herbaspirillum seropedicaeand humic acids. *Chemical and Biological Technologies in Agriculture*, **2014**, 1,	4.4	34
46	The Family Oxalobacteraceae **2014**, 919-974		39
45	Molecular characteristics of vermicompost and their relationship to preservation of inoculated nitrogen-fixing bacteria. *Journal of Analytical and Applied Pyrolysis*, **2013**, 104, 540-550	6	30
44	A combination of humic substances and Herbaspirillum seropedicae inoculation enhances the growth of maize (Zea mays L.). *Plant and Soil*, **2013**, 366, 119-132	4.2	92
43	Bioactivity of humic acids isolated from vermicomposts at different maturation stages. *Plant and Soil*, **2013**, 362, 161-174	4.2	52
42	Prediction of humic acids bioactivity using spectroscopy and multivariate analysis. *Journal of Geochemical Exploration*, **2013**, 129, 95-102	3.8	46
41	Transporte de Xanthomonas vesicatoria de sementes para plântulas e mudas de tomate. *Horticultura Brasileira*, **2013**, 31, 50-58	0.9	1
40	Changes in labile phosphorus forms during maturation of vermicompost enriched with phosphorus-solubilizing and diazotrophic bacteria. *Bioresource Technology*, **2012**, 110, 390-5	11	80
39	Chemical properties of humic matter as related to induction of plant lateral roots. *European Journal of Soil Science*, **2012**, 63, 315-324	3.4	52

38	The type III secretion system is necessary for the development of a pathogenic and endophytic interaction between Herbaspirillum rubrisubalbicans and Poaceae. *BMC Microbiology*, **2012**, 12, 98	4.5	25
37	Crescimento de mudas de maracujazeiro-doce inoculadas com fungos micorrízicos arbusculares e bactérias diazotróficas sob diferentes doses de fósforo. *Revista Brasileira De Fruticultura*, **2012**, 34, 442-450	1.2	5
36	Initial growth of maize in response to application of rock phosphate, vermicompost and endophytic bacteria. *Revista Ceres*, **2012**, 59, 262-270	0.7	5
35	Root growth of tomato seedlings intensified by humic substances from peat bogs. *Revista Brasileira De Ciencia Do Solo*, **2011**, 35, 1609-1617	1.5	15
34	Fungos micorrízicos arbusculares, bactérias diazotróficas e adubação fosfatada em mudas de mamoeiro. *Revista Brasileira De Fruticultura*, **2011**, 33, 932-940	1.2	4
33	Structural Interaction Between GFP-Labeled Diazotrophic Endophytic Bacterium Herbaspirillum seropedicae RAM10 and Pineapple Plantlets (Vitória). *Brazilian Journal of Microbiology*, **2011**, 42, 114-25	2.2	22
32	Probing the hormonal activity of fractionated molecular humic components in tomato auxin mutants. *Annals of Applied Biology*, **2011**, 159, 202-211	2.6	50
31	Seleção de bactérias promotoras de crescimento no abacaxizeiro cultivar Vitória durante a aclimatização. *Revista Brasileira De Ciencia Do Solo*, **2010**, 34, 349-360	1.5	20
30	Growth promotion of pineapple (Vitória) by humic acids and burkholderia spp. during acclimatization. *Revista Brasileira De Ciencia Do Solo*, **2010**, 34, 1593-1600	1.5	31
29	Bioactivity of chemically transformed humic matter from vermicompost on plant root growth. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 3681-8	5.7	99
28	Chemical composition and bioactivity properties of size-fractions separated from a vermicompost humic acid. *Chemosphere*, **2010**, 78, 457-66	8.4	126
27	Soil organic matter and nutrient pools under long-term non-burning management of sugar cane. *European Journal of Soil Science*, **2010**, 61, 375-383	3.4	24
26	Nitric oxide mediates humic acids-induced root development and plasma membrane H+-ATPase activation. *Planta*, **2010**, 231, 1025-36	4.7	127
25	Desempenho do abacaxizeiro (Vitória) em resposta à aplicação de ácidos húmicos durante a aclimatação. *Revista Brasileira De Ciencia Do Solo*, **2009**, 33, 979-990	1.5	37
24	Efeito dos ácidos húmicos na inoculação de bactérias diazotróficas endofíticas em sementes de milho. *Ciencia Rural*, **2009**, 39, 1880-1883	1.3	6
23	Arbuscular mycorrhizal fungi induce differential activation of the plasma membrane and vacuolar H+ pumps in maize roots. *Mycorrhiza*, **2009**, 19, 69-80	3.9	20
22	Identification and characterization of Gluconacetobacter diazotrophicus mutants defective in the solubilization of phosphorus and zinc. *Archives of Microbiology*, **2009**, 191, 477-83	3	44
21	Relationships Between Chemical Characteristics and Root Growth Promotion of Humic Acids Isolated From Brazilian Oxisols. *Soil Science*, **2009**, 174, 611-620	0.9	51

20	Distribuição de massa molecular de ácidos húmicos e promoção do crescimento radicular. *Revista Brasileira De Ciencia Do Solo*, **2009**, 33, 1613-1623	1.5	9
19	Phylloepiphytic interaction between bacteria and different plant species in a tropical agricultural system. *Canadian Journal of Microbiology*, **2008**, 54, 918-31	3.2	47
18	Recobrimento de sementes de milho com ácidos húmicos e bactérias diazotróficas endofíticas. *Pesquisa Agropecuaria Brasileira*, **2008**, 43, 545-548	1.8	13
17	Promoção de enraizamento de microtoletes de cana-de-açúcar pelo uso conjunto de substâncias húmicas e bactérias diazotróficas endofíticas. *Revista Brasileira De Ciencia Do Solo*, **2008**, 32, 1121-1128	1.5	22
16	Characterization of diazotrophic bacteria associated with maize: effect of plant genotype, ontogeny and nitrogen-supply. *World Journal of Microbiology and Biotechnology*, **2006**, 22, 967-974	4.4	45
15	Characterization of glutamine synthetase genes in sugarcane genotypes with different rates of biological nitrogen fixation. *Plant Science*, **2005**, 169, 819-832	5.3	35
14	Especificidade de anti-soro policlonal Leifsonia xyli subsp. xyli. *Tropical Plant Pathology*, **2004**, 29, 614-619		8
13	Humic acids isolated from earthworm compost enhance root elongation, lateral root emergence, and plasma membrane H+-ATPase activity in maize roots. *Plant Physiology*, **2002**, 130, 1951-7	6.6	429
12	Infection and colonization of rice seedlings by the plant growth-promoting bacterium Herbaspirillum seropedicae Z67. *Molecular Plant-Microbe Interactions*, **2002**, 15, 894-906	3.6	291
11	Bioatividade de ácidos húmicos: efeitos sobre o desenvolvimento radicular e sobre a bomba de prótons da membrana plasmática. *Pesquisa Agropecuaria Brasileira*, **2002**, 37, 1301-1310	1.8	43
10	Further observations on the interaction between sugar cane and Gluconacetobacter diazotrophicus under laboratory and greenhouse conditions. *Journal of Experimental Botany*, **2001**, 52, 747-60	7	112
9	Technical approaches to inoculate micropropagated sugar cane plants were Acetobacter diazotrophicus. *Plant and Soil*, **1998**, 206, 205-211	4.2	40
8	Infection and Colonization of Sugar Cane and Other Graminaceous Plants by Endophytic Diazotrophs. *Critical Reviews in Plant Sciences*, **1998**, 17, 77-119	5.6	198
7	Herbaspirillum, an endophytic diazotroph colonizing vascular tissue 3Sorghum bicolor L. Moench. *Journal of Experimental Botany*, **1997**, 48, 785-798	7	125
6	Infection of mottled stripe disease-susceptible and resistant sugar cane varieties by the endophytic diazotroph Herbaspirilium. *New Phytologist*, **1997**, 135, 723-737	9.8	125
5	Occurrence of the endophytic diazotrophs Herbaspirillum spp. in roots, stems, and leaves, predominantly of Gramineae. *Biology and Fertility of Soils*, **1996**, 21, 197-200	6.1	159
4	Improved methodology for isolation of Acetobacter diazotrophicus and confirmation of its endophytic habitat. *World Journal of Microbiology and Biotechnology*, **1994**, 10, 401-5	4.4	134
3	Infection of sugar cane by the nitrogen-fixing bacteriumAcetobacter diazotrophicus. *Journal of Experimental Botany*, **1994**, 45, 757-766	7	268

2	Herbaspirillum seropedicae and sugarcane endophytic interaction investigated by using high pressure freezing electron microscopy. *Brazilian Journal of Microbiology*,34, 69-71	2.2	10
1	Infection and Colonization of Sugar Cane and Other Graminaceous Plants by Endophytic Diazotrophs		179