

# Gilberto O Mendes

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

699  
citations

686830

13  
h-index

713013

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of phosphate solubilization by fungal isolates when exposed to different P sources. <i>Annals of Microbiology</i> , 2014, 64, 239-249.	1.1	136
2	Biochar of animal origin: a sustainable solution to the global problem of high-grade rock phosphate scarcity?. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 1799-1804.	1.7	79
3	Oxalic acid is more efficient than sulfuric acid for rock phosphate solubilization. <i>Minerals Engineering</i> , 2020, 155, 106458.	1.8	59
4	Inhibition of <i>Aspergillus niger</i> Phosphate Solubilization by Fluoride Released from Rock Phosphate. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4906-4913.	1.4	49
5	Optimization of <i>Aspergillus niger</i> rock phosphate solubilization in solid-state fermentation and use of the resulting product as a P fertilizer. <i>Microbial Biotechnology</i> , 2015, 8, 930-939.	2.0	48
6	Fungal rock phosphate solubilization using sugarcane bagasse. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 43-50.	1.7	47
7	Biochar Enhances <i>Aspergillus niger</i> Rock Phosphate Solubilization by Increasing Organic Acid Production and Alleviating Fluoride Toxicity. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3081-3085.	1.4	45
8	Fermentation liquid containing microbially solubilized P significantly improved plant growth and P uptake in both soil and soilless experiments. <i>Applied Soil Ecology</i> , 2017, 117-118, 208-211.	2.1	37
9	Biotechnological Tools for Enhancing Microbial Solubilization of Insoluble Inorganic Phosphates. <i>Geomicrobiology Journal</i> , 2014, 31, 751-763.	1.0	35
10	Solubilization of animal bonechar by a filamentous fungus employed in solid state fermentation. <i>Ecological Engineering</i> , 2013, 58, 165-169.	1.6	30
11	Enhanced growth in nursery of coffee seedlings inoculated with the rhizosphere fungus <i>Aspergillus niger</i> for field transplantation. <i>Rhizosphere</i> , 2020, 15, 100236.	1.4	19
12	Fungal endophytes inoculation improves soil nutrient availability, arbuscular mycorrhizal colonization and common bean growth. <i>Rhizosphere</i> , 2021, 18, 100330.	1.4	15
13	Fluoride-Tolerant Mutants of <i>Aspergillus niger</i> Show Enhanced Phosphate Solubilization Capacity. <i>PLoS ONE</i> , 2014, 9, e110246.	1.1	14
14	<i>Aspergillus niger</i> as a key to unlock fixed phosphorus in highly weathered soils. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108190.	4.2	13
15	<i>Aspergillus niger</i> as a Biological Input for Improving Vegetable Seedling Production. <i>Microorganisms</i> , 2022, 10, 674.	1.6	13
16	Decreased mineral availability enhances rock phosphate solubilization efficiency in <i>Aspergillus niger</i> . <i>Annals of Microbiology</i> , 2015, 65, 745-751.	1.1	12
17	Solid-State Fermentation and Plant-Beneficial Microorganisms. , 2018, , 435-450.		12
18	Chemical and Physical Mechanisms of Fungal Bioweathering of Rock Phosphate. <i>Geomicrobiology Journal</i> , 2021, 38, 384-394.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Rock phosphate solubilization by abiotic and fungalâ€produced oxalic acid: reaction parameters and bioleaching potential. <i>Microbial Biotechnology</i> , 2022, 15, 1189-1202.	2.0	10
20	Carbon Fluxes from Different Pools in a Mined Area under Reclamation in Minas Gerais State, Brazil. <i>Land Degradation and Development</i> , 2017, 28, 507-514.	1.8	9
21	Effect of Mineral Nitrogen on Transfer of <sup>13</sup> C-Carbon from Eucalyptus Harvest Residue Components to Soil Organic Matter Fractions. <i>Revista Brasileira De Ciencia Do Solo</i> , 2017, 41, .	0.5	3
22	Potassium extraction from the silicate rock Verdete using organic acids. <i>Scientia Agricola</i> , 2022, 79, .	0.6	2