

# M Ftima Carvalho

## List of Publications by Citations

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56  
papers

1,158  
citations

22  
h-index

31  
g-index

63  
ext. papers

1,448  
ext. citations

5.7  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
56	4-Chlorophenol degradation by a bacterial consortium: development of a granular activated carbon biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , <b>1999</b> , 52, 722-9	5.7	99
55	Biodegradation of the veterinary antibiotics enrofloxacin and ceftiofur and associated microbial community dynamics. <i>Science of the Total Environment</i> , <b>2017</b> , 581-582, 359-368	10.2	87
54	2-fluorophenol degradation by aerobic granular sludge in a sequencing batch reactor. <i>Water Research</i> , <b>2011</b> , 45, 6745-52	12.5	60
53	Isolation and properties of a pure bacterial strain capable of fluorobenzene degradation as sole carbon and energy source. <i>Environmental Microbiology</i> , <b>2005</b> , 7, 294-8	5.2	52
52	Isolation and initial characterization of a bacterial consortium able to mineralize fluorobenzene. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 102-5	4.8	51
51	A GAC biofilm reactor for the continuous degradation of 4-chlorophenol: treatment efficiency and microbial analysis. <i>Applied Microbiology and Biotechnology</i> , <b>2001</b> , 57, 419-26	5.7	38
50	Biodegradation of oxytetracycline and enrofloxacin by autochthonous microbial communities from estuarine sediments. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 962-972	10.2	37
49	Degradation of fluorobenzene by Rhizobiales strain F11 via ortho cleavage of 4-fluorocatechol and catechol. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 7413-7	4.8	37
48	Actinobacteria Isolated From : A Source of New Bioactive Compounds. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 683	5.7	34
47	Adsorption of fluorobenzene onto granular activated carbon: isotherm and bioavailability studies. <i>Bioresource Technology</i> , <b>2007</b> , 98, 3424-30	11	32
46	Increased protein content of chickpea ( <i>Cicer arietinum</i> L.) inoculated with arbuscular mycorrhizal fungi and nitrogen-fixing bacteria under water deficit conditions. <i>Journal of the Science of Food and Agriculture</i> , <b>2017</b> , 97, 4379-4385	4.3	31
45	Isolation and characterization of a <i>Rhodococcus</i> strain able to degrade 2-fluorophenol. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 95, 511-20	5.7	31
44	Natural production of fluorinated compounds and biotechnological prospects of the fluorinase enzyme. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 880-897	9.4	30
43	<i>Chryseobacterium palustre</i> sp. nov. and <i>Chryseobacterium humi</i> sp. nov., isolated from industrially contaminated sediments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2010</b> , 60, 402-407	2.2	26
42	Seed coating with inocula of arbuscular mycorrhizal fungi and plant growth promoting rhizobacteria for nutritional enhancement of maize under different fertilisation regimes. <i>Archives of Agronomy and Soil Science</i> , <b>2019</b> , 65, 31-43	2	25
41	Biodegradation of fluoroanilines by the wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 80, 10-15	4.8	24
40	Bioaugmentation of a rotating biological contactor for degradation of 2-fluorophenol. <i>Bioresource Technology</i> , <b>2011</b> , 102, 9300-3	11	24

39	Degradation of difluorobenzenes by the wild strain <i>Labrys portucalensis</i> . <i>Biodegradation</i> , <b>2012</b> , 23, 653-671	4.1	23
38	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by <i>Labrys portucalensis</i> . <i>Biodegradation</i> , <b>2013</b> , 24, 245-55	4.1	23
37	In situ corrosion control in industrial water systems. <i>Biodegradation</i> , <b>2000</b> , 11, 441-8	4.1	23
36	Actinobacteria and Cyanobacteria Diversity in Terrestrial Antarctic Microenvironments Evaluated by Culture-Dependent and Independent Methods. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1018	5.7	22
35	<i>Labrys portucalensis</i> sp. nov., a fluorobenzene-degrading bacterium isolated from an industrially contaminated sediment in northern Portugal. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 692-8	2.2	22
34	Biodegradation of mono-, di- and trifluoroacetate by microbial cultures with different origins. <i>New Biotechnology</i> , <b>2018</b> , 43, 23-29	6.4	21
33	Bacterial degradation of moxifloxacin in the presence of acetate as a bulk substrate. <i>Journal of Environmental Management</i> , <b>2016</b> , 168, 219-28	7.9	20
32	Improved grain yield of cowpea ( <i>Vigna unguiculata</i> ) under water deficit after inoculation with <i>Bradyrhizobium elkanii</i> and <i>Rhizophagus irregularis</i> . <i>Crop and Pasture Science</i> , <b>2017</b> , 68, 1052	2.2	20
31	Microbial degradation of two highly persistent fluorinated fungicides - epoxiconazole and fludioxonil. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122545	12.8	18
30	Arbuscular mycorrhizal fungi are an alternative to the application of chemical fertilizer in the production of the medicinal and aromatic plant <i>Coriandrum sativum</i> L. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2016</b> , 79, 320-8	3.2	18
29	Co-metabolic degradation of chlorobenzene by the fluorobenzene degrading wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , <b>2012</b> , 72, 76-81	4.8	17
28	Microbial degradation of 17beta -estradiol and 17alpha -ethinylestradiol followed by a validated HPLC-DAD method. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 265-73	2.2	17
27	Genetic, phenotypic and functional variation within a <i>Glomus geosporum</i> isolate cultivated with or without the stress of a highly alkaline anthropogenic sediment. <i>Applied Soil Ecology</i> , <b>2010</b> , 45, 39-48	5	16
26	Biodegradation of 2-fluorobenzoate and dichloromethane under simultaneous and sequential alternating pollutant feeding. <i>Water Research</i> , <b>2008</b> , 42, 3857-69	12.5	16
25	The Essentials of Marine Biotechnology. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	16
24	Long-term performance and microbial dynamics of an up-flow fixed bed reactor established for the biodegradation of fluorobenzene. <i>Applied Microbiology and Biotechnology</i> , <b>2006</b> , 71, 555-62	5.7	15
23	Mineralization of 4-fluorocinnamic acid by a <i>Rhodococcus</i> strain. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 1893-905	5.7	13
22	Biodegradation of enrofloxacin by microbial consortia obtained from rhizosediments of two estuarine plants. <i>Journal of Environmental Management</i> , <b>2019</b> , 231, 1145-1153	7.9	13

21	Bioremediation of bezafibrate and paroxetine by microorganisms from estuarine sediment and activated sludge of an associated wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 796-806	10.2	12
20	Biological treatment of a contaminated gaseous emission from a leather industry in a suspended-growth bioreactor. <i>Chemosphere</i> , <b>2009</b> , 74, 232-8	8.4	10
19	SARS-CoV-2 RNA detected in urban wastewater from Porto, Portugal: Method optimization and continuous 25-week monitoring. <i>Science of the Total Environment</i> , <b>2021</b> , 792, 148467	10.2	10
18	Microbial degradation of pharmaceuticals followed by a simple HPLC-DAD method. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 2151-8	2.3	9
17	Pharmaceutical Compounds in Aquatic Environments-Occurrence, Fate and Bioremediation Prospective. <i>Toxics</i> , <b>2021</b> , 9,	4.7	9
16	Optimization of an Autochthonous Bacterial Consortium Obtained from Beach Sediments for Bioremediation of Petroleum Hydrocarbons. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 66	3	8
15	Development of an autonomous biosampler to capture in situ aquatic microbiomes. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216882	3.7	7
14	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	7
13	Potential of bacterial consortia obtained from different environments for bioremediation of paroxetine and bezafibrate. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103881	6.8	6
12	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	6
11	Diversity and Bioactive Potential of Actinobacteria Isolated from a Coastal Marine Sediment in Northern Portugal. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	5
10	Harnessing the Potential of Native Microbial Communities for Bioremediation of Oil Spills in the Iberian Peninsula NW Coast. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 633659	5.7	5
9	Fish performance, intestinal bacterial community, digestive function and skin and fillet attributes during cold storage of gilthead seabream ( <i>Sparus aurata</i> ) fed diets supplemented with <i>Gracilaria</i> by-products. <i>Aquaculture</i> , <b>2021</b> , 541, 736808	4.4	4
8	Endophytic Actinobacteria for Sustainable Agricultural Applications. <i>Sustainable Development and Biodiversity</i> , <b>2017</b> , 163-189	2.1	2
7	Bioremediation of Petroleum Hydrocarbons in Seawater: Prospects of Using Lyophilized Native Hydrocarbon-Degrading Bacteria. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
6	Diversity and Hydrocarbon-Degrading Potential of Deep-Sea Microbial Community from the Mid-Atlantic Ridge, South of the Azores (North Atlantic Ocean). <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
5	Combining Culture-Dependent and Independent Approaches for the Optimization of Epoxiconazole and Fludioxonil-Degrading Bacterial Consortia. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
4	Revisiting pesticide pollution: The case of fluorinated pesticides. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118315	9.3	1

- 3 Culturable bacteria from two Portuguese salterns: diversity and bioactive potential. *Antonie Van Leeuwenhoek*, **2020**, 113, 459-475 2.1 1
- 2 Biodegradation of the Antibiotics Oxytetracycline and Enrofloxacin by Microbial Communities from Douro Estuary (Portugal) Sediments. *Advances in Science, Technology and Innovation*, **2018**, 595-596 0.3
- 1 Atlas of the microbial degradation of fluorinated pesticides. *Critical Reviews in Biotechnology*, **2021**, 1-19.4