

# Michele Duarte de Menezes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/982414/publications.pdf>

Version: 2024-02-01

21  
papers

425  
citations

687363

13  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

379  
citing authors

#	ARTICLE	IF	CITATIONS
1	GIS and fuzzy logics in establishing new potential areas for winter wines (Syrah cv.) cultivation in tropical conditions of southeastern Brazil. <i>Applied Geography</i> , 2022, 141, 102680.	3.7	0
2	Rapid soil fertility prediction using X-ray fluorescence data and machine learning algorithms. <i>Catena</i> , 2021, 197, 105003.	5.0	42
3	Land use capability classification adaptation in low and intermediate technology farming systems: A soil erosion indicator. <i>Soil Use and Management</i> , 2021, 37, 164-180.	4.9	5
4	X-ray fluorescence spectrometry applied to digital mapping of soil fertility attributes in tropical region with elevated spatial variability. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200646.	0.8	2
5	Macro scale analysis of Syrah vineyards under winter growing cycles: Agronomical and ecophysiological responses. <i>Scientia Agricola</i> , 2021, 78, .	1.2	0
6	Rare earth elements (REEs): geochemical patterns and contamination aspects in Brazilian benchmark soils. <i>Environmental Pollution</i> , 2021, 289, 117972.	7.5	18
7	Modeling arsenic content in Brazilian soils: What is relevant?. <i>Science of the Total Environment</i> , 2020, 712, 136511.	8.0	22
8	Transferability, accuracy, and uncertainty assessment of different knowledge-based approaches for soil types mapping. <i>Catena</i> , 2019, 182, 104134.	5.0	8
9	Soil type spatial prediction from Random Forest: different training datasets, transferability, accuracy and uncertainty assessment. <i>Scientia Agricola</i> , 2019, 76, 243-254.	1.2	20
10	Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management. <i>Ciencia E Agrotecnologia</i> , 2018, 42, 631-642.	1.5	3
11	Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds. <i>Scientia Agricola</i> , 2018, 75, 144-153.	1.2	13
12	Multiple linear regression and random forest to predict and map soil properties using data from portable X-ray fluorescence spectrometer (pXRF). <i>Ciencia E Agrotecnologia</i> , 2017, 41, 648-664.	1.5	65
13	Proximal Sensing and Digital Terrain Models Applied to Digital Soil Mapping and Modeling of Brazilian Latosols (Oxisols). <i>Remote Sensing</i> , 2016, 8, 614.	4.0	52
14	Mapping soils in two watersheds using legacy data and extrapolation for similar surrounding areas. <i>Ciencia E Agrotecnologia</i> , 2016, 40, 534-546.	1.5	23
15	Retrieving pedologist's mental model from existing soil map and comparing data mining tools for refining a larger area map under similar environmental conditions in Southeastern Brazil. <i>Geoderma</i> , 2016, 267, 65-77.	5.1	36
16	Evaluation of Conditioned Latin Hypercube Sampling as a Support for Soil Mapping and Spatial Variability of Soil Properties. <i>Soil Science Society of America Journal</i> , 2015, 79, 603-611.	2.2	18
17	Solum depth spatial prediction comparing conventional with knowledge-based digital soil mapping approaches. <i>Scientia Agricola</i> , 2014, 71, 316-323.	1.2	32
18	A Technique for Low Cost Soil Mapping and Validation Using Expert Knowledge on a Watershed in Minas Gerais, Brazil. <i>Soil Science Society of America Journal</i> , 2014, 78, 1310-1319.	2.2	20

#	ARTICLE	IF	CITATIONS
19	Digital soil mapping approach based on fuzzy logic and field expert knowledge. Ciencia E Agrotecnologia, 2013, 37, 287-298.	1.5	26
20	Levantamento pedológico e sistema de informações geográficas na avaliação do uso das terras em sub-bacia hidrográfica de Minas Gerais. Ciencia E Agrotecnologia, 2009, 33, 1544-1553.	1.5	19
21	Pedology-based management class establishment: a study case in Brazilian coffee crops. Precision Agriculture, 0, , 1.	6.0	1