

# Vimala D Nair

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

3,054  
citations

30  
h-index

54  
g-index

92  
ext. papers

3,423  
ext. citations

3.7  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
79	Soil Conservation and Control of Land-Degradation <b>2021</b> , 445-474		
78	Carbon Sequestration and Climate Change Mitigation <b>2021</b> , 487-537		
77	Shaded Perennial Agroforestry Systems <b>2021</b> , 137-168		
76	Global Distribution of Agroforestry Systems <b>2021</b> , 45-58		1
75	Other Ecosystem Services of Agroforestry <b>2021</b> , 563-581		
74	An Introduction to Agroforestry <b>2021</b> ,		7
73	Silvopastoral Systems (SPS) in the Tropics and Subtropics <b>2021</b> , 169-193		
72	Plant-to-Plant (Tree-Trop) Interactions in Agroforestry Systems <b>2021</b> , 353-364		
71	Characterization of bonechar as a soil amendment in tropical soils. <i>Horticulture International Journal</i> , <b>2021</b> , 5, 74-76	0.4	0
70	Soil carbon stock and stability under Eucalyptus-based silvopasture and other land-use systems in the Cerrado biodiversity hotspot. <i>Journal of Environmental Management</i> , <b>2021</b> , 299, 113676	7.9	3
69	Mining of soil legacy phosphorus without jeopardizing crop yield <b>2020</b> , 3, e20056		5
68	Do Coffee Agroforestry Systems Always Improve Soil Carbon Stocks Deeper in the Soil? A Case Study from Turrialba, Costa Rica. <i>Forests</i> , <b>2020</b> , 11, 49	2.8	5
67	Reductions in water, soil and nutrient losses and pesticide pollution in agroforestry practices: a review of evidence and processes. <i>Plant and Soil</i> , <b>2020</b> , 453, 45-86	4.2	27
66	Biochar as Influenced by Feedstock Variability: Implications and Opportunities for Phosphorus Management. <i>Frontiers in Sustainable Food Systems</i> , <b>2020</b> , 4,	4.8	7
65	Depth-wise distribution of soil-carbon stock in aggregate-sized fractions under shaded-perennial agroforestry systems in the Western Ghats of Karnataka, India. <i>Agroforestry Systems</i> , <b>2020</b> , 94, 341-358	2	5
64	Subsurface transport and potential risk of phosphorus to groundwater across different land uses in a karst springs basin, Florida, USA. <i>Geoderma</i> , <b>2019</b> , 338, 97-106	6.7	14
63	Estimating soil total nitrogen in smallholder farm settings using remote sensing spectral indices and regression kriging. <i>Catena</i> , <b>2018</b> , 163, 111-122	5.8	30

62	Changes in soil carbon stocks across the Forest-Agroforest-Agriculture/Pasture continuum in various agroecological regions: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 266, 55-67	5.7	54
61	Consistency of the Threshold Phosphorus Saturation Ratio across a Wide Geographic Range of Acid Soils <b>2018</b> , 1, 1-8		20
60	Approaches for evaluating subsurface phosphorus loss potential from soil profiles. <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 245, 92-99	5.7	13
59	Spatial downscaling of soil prediction models based on weighted generalized additive models in smallholder farm settings. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 502	3.1	0
58	Grass vs. tree origin of soil organic carbon under different land-use systems in the Brazilian Cerrado. <i>Plant and Soil</i> , <b>2017</b> , 419, 281-292	4.2	10
57	Biochar in the Agroecosystem-Climate-Change-Sustainability Nexus. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 2051	6.2	53
56	Phosphorous dynamics in poplar silvopastoral systems fertilised with sewage sludge. <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 223, 87-98	5.7	2
55	Relative influence of soil- vs. biochar properties on soil phosphorus retention. <i>Geoderma</i> , <b>2016</b> , 280, 82-87	4.7	47
54	Carbon, iron, and aluminum responses to controlled water table fluctuations in sandy soil material. <i>Journal of Soils and Sediments</i> , <b>2016</b> , 16, 2449-2457	3.4	4
53	Evaluation of Legacy Phosphorus Storage and Release from Wetland Soils. <i>Journal of Environmental Quality</i> , <b>2015</b> , 44, 1956-64	3.4	15
52	Estimation of phosphorus isotherm parameters: a simple and cost-effective procedure. <i>Frontiers in Environmental Science</i> , <b>2015</b> , 3,	4.8	18
51	Phosphorus Sorption and Desorption in Wetland Soils. <i>Soil Science Society of America Book Series</i> , <b>2015</b> , 667-681		7
50	Solid fluid gas the state of knowledge on carbon-sequestration potential of agroforestry systems in Africa. <i>Current Opinion in Environmental Sustainability</i> , <b>2014</b> , 6, 22-27	7.2	31
49	Soil Phosphorus Storage Capacity for Environmental Risk Assessment. <i>Advances in Agriculture</i> , <b>2014</b> , 2014, 1-9	1.1	10
48	Soil phosphorus saturation ratio for risk assessment in land use systems. <i>Frontiers in Environmental Science</i> , <b>2014</b> , 2,	4.8	57
47	Organization of a Research Paper: The IMRAD Format <b>2014</b> , 13-25		5
46	Environmentally Relevant Phosphorus Retention Capacity of Sandy Coastal Plain Soils. <i>Soil Science</i> , <b>2012</b> , 177, 701-707	0.9	17
45	Compositional Differences Between Alaquods and Paleudults Affecting Phosphorus Sorption-Desorption Behavior. <i>Soil Science</i> , <b>2012</b> , 177, 188-197	0.9	4

44	A Review of Turfgrass Fertilizer Management Practices: Implications for Urban Water Quality. <i>HortTechnology</i> , <b>2012</b> , 22, 280-291	1.3	42
43	Regulatory and Resource Management Practices for Urban Watersheds: The Florida Experience. <i>HortTechnology</i> , <b>2012</b> , 22, 418-429	1.3	6
42	Soil carbon storage in silvopastoral systems and a treeless pasture in northwestern Spain. <i>Journal of Environmental Quality</i> , <b>2011</b> , 40, 825-32	3.4	63
41	Silvopasture and Carbon Sequestration with Special Reference to the Brazilian Savanna (Cerrado). <i>Advances in Agroforestry</i> , <b>2011</b> , 145-162		8
40	Soil phosphorus storage capacity in manure-impacted Alaquods: Implications for water table management. <i>Agriculture, Ecosystems and Environment</i> , <b>2011</b> , 142, 167-175	5.7	19
39	Potential for greenhouse gas emissions from soil carbon stock following biofuel cultivation on degraded lands. <i>Land Degradation and Development</i> , <b>2011</b> , 22, 395-409	4.4	15
38	Soil carbon storage as influenced by tree cover in the Dehesa cork oak silvopasture of central-western Spain. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 1897-904		66
37	Soil carbon storage in silvopasture and related land-use systems in the brazilian cerrado. <i>Journal of Environmental Quality</i> , <b>2011</b> , 40, 833-41	3.4	50
36	Contribution of trees to carbon storage in soils of silvopastoral systems in Florida, USA. <i>Global Change Biology</i> , <b>2010</b> , 16, 427-438	11.4	78
35	Carbon Sequestration in Agroforestry Systems. <i>Advances in Agronomy</i> , <b>2010</b> , 108, 237-307	7.7	225
34	Effect of dietary modifications of calcium and magnesium on reducing solubility of phosphorus in feces from lactating dairy cows. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 2598-611	4	10
33	Carbon storage in soil size fractions under two cacao agroforestry systems in Bahia, Brazil. <i>Environmental Management</i> , <b>2010</b> , 45, 274-83	3.1	81
32	Carbon storage in relation to soil size-fractions under tropical tree-based land-use systems. <i>Plant and Soil</i> , <b>2010</b> , 328, 433-446	4.2	70
31	Soil Properties Pertinent to Horticulture in Florida. <i>HortTechnology</i> , <b>2010</b> , 20, 10-18	1.3	6
30	Soil Carbon in Agroforestry Systems: An Unexplored Treasure?. <i>Nature Precedings</i> , <b>2009</b> ,		9
29	Contribution of trees to soil carbon sequestration under agroforestry systems in the West African Sahel. <i>Agroforestry Systems</i> , <b>2009</b> , 76, 11-25	2	55
28	Soil carbon stock in relation to plant diversity of homegardens in Kerala, India. <i>Agroforestry Systems</i> , <b>2009</b> , 76, 53-65	2	98
27	Soil carbon sequestration in tropical agroforestry systems: a feasibility appraisal. <i>Environmental Science and Policy</i> , <b>2009</b> , 12, 1099-1111	6.2	127

26	Agroforestry as a strategy for carbon sequestration. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2009</b> , 172, 10-23	2.3	509
25	Development of indices to predict phosphorus release from wetland soils. <i>Journal of Environmental Quality</i> , <b>2009</b> , 38, 878-86	3.4	16
24	Carbon storage of different soil-size fractions in Florida silvopastoral systems. <i>Journal of Environmental Quality</i> , <b>2008</b> , 37, 1789-97	3.4	114
23	Carbon stock and sequestration potential of traditional and improved agroforestry systems in the West African Sahel. <i>Agriculture, Ecosystems and Environment</i> , <b>2008</b> , 125, 159-166	5.7	165
22	Contribution of trees to soil carbon sequestration under agroforestry systems in the West African Sahel. <i>Advances in Agroforestry</i> , <b>2008</b> , 11-25		3
21	Controlled application rate of water treatment residual for agronomic and environmental benefits. <i>Journal of Environmental Quality</i> , <b>2007</b> , 36, 1715-24	3.4	33
20	Phosphorus and other soil components in a dairy effluent sprayfield within the central Florida Ridge. <i>Journal of Environmental Quality</i> , <b>2007</b> , 36, 1042-9	3.4	9
19	Inhibition of calcium phosphate precipitation under environmentally-relevant conditions. <i>Science of the Total Environment</i> , <b>2007</b> , 383, 205-15	10.2	64
18	Silvopasture for reducing phosphorus loss from subtropical sandy soils. <i>Plant and Soil</i> , <b>2007</b> , 297, 267-276	4.2	30
17	Minimizing Confounding Factors in Phosphorus Leaching Assessment for Dairy-and Poultry-Manure-Amended Soils. <i>Communications in Soil Science and Plant Analysis</i> , <b>2007</b> , 38, 975-987	1.5	3
16	Laboratory Validation of Soil Phosphorus Storage Capacity Predictions for Use in Risk Assessment. <i>Soil Science Society of America Journal</i> , <b>2007</b> , 71, 1564-1569	2.5	23
15	Environmental quality improvement of agricultural lands through silvopasture in southeastern United States. <i>Scientia Agricola</i> , <b>2007</b> , 64, 513-519	2.5	20
14	A RETARDATION-BASED MODEL FOR PHOSPHORUS TRANSPORT IN SANDY SOIL. <i>Soil Science</i> , <b>2006</b> , 171, 293-304	0.9	8
13	Phosphorus loss from organic versus inorganic fertilizers used in alleycropping on a Florida Ultisol. <i>Agriculture, Ecosystems and Environment</i> , <b>2006</b> , 117, 290-298	5.7	37
12	A quick field test for evaluating phosphorus movement in sandy soils. <i>New Zealand Journal of Agricultural Research</i> , <b>2005</b> , 48, 367-375	1.9	
11	Nitrogen mineralization in a pecan ( <i>Carya illinoensis</i> K. Koch) cotton ( <i>Gossypium hirsutum</i> L.) alley cropping system in the southern United States. <i>Biology and Fertility of Soils</i> , <b>2005</b> , 41, 28-37	6.1	28
10	Associated release of magnesium and phosphorus from active and abandoned dairy soils. <i>Journal of Environmental Quality</i> , <b>2005</b> , 34, 184-91	3.4	35
9	An environmental threshold for degree of phosphorus saturation in sandy soils. <i>Journal of Environmental Quality</i> , <b>2004</b> , 33, 107-13	3.4	124

8	A capacity factor as an alternative to soil test phosphorus in phosphorus risk assessment. <i>New Zealand Journal of Agricultural Research</i> , <b>2004</b> , 47, 491-497	1.9	54
7	Phosphorus saturation in spodosols impacted by manure. <i>Journal of Environmental Quality</i> , <b>2002</b> , 31, 1279-85	3.4	52
6	Influence of flooding on phosphorus mobility in manure-impacted soil. <i>Journal of Environmental Quality</i> , <b>2002</b> , 31, 1399-405	3.4	26
5	Soil development in phosphate-mined created wetlands of Florida, USA. <i>Wetlands</i> , <b>2001</b> , 21, 232-239	1.7	34
4	Phosphorus Retention Capacity of the Spodic Horizon under Varying Environmental Conditions. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 1308-1313	3.4	23
3	Phosphorus accumulation in manure-impacted Spodosols of Florida. <i>Agriculture, Ecosystems and Environment</i> , <b>1999</b> , 75, 31-40	5.7	23
2	Dairy Manure Influences on Phosphorus Retention Capacity of Spodosols. <i>Journal of Environmental Quality</i> , <b>1998</b> , 27, 522-527	3.4	52
1	Forms of Phosphorus in Soil Profiles from Dairies of South Florida. <i>Soil Science Society of America Journal</i> , <b>1995</b> , 59, 1244-1249	2.5	69