

Vimala D Nair

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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 | Agroforestry as a strategy for carbon sequestration. <i>Journal of Plant Nutrition and Soil Science</i> , 2009 , 172, 10-23 | 2.3 | 509 |
| 78 | Carbon Sequestration in Agroforestry Systems. <i>Advances in Agronomy</i> , 2010 , 108, 237-307 | 7.7 | 225 |
| 77 | Carbon stock and sequestration potential of traditional and improved agroforestry systems in the West African Sahel. <i>Agriculture, Ecosystems and Environment</i> , 2008 , 125, 159-166 | 5.7 | 165 |
| 76 | Soil carbon sequestration in tropical agroforestry systems: a feasibility appraisal. <i>Environmental Science and Policy</i> , 2009 , 12, 1099-1111 | 6.2 | 127 |
| 75 | An environmental threshold for degree of phosphorus saturation in sandy soils. <i>Journal of Environmental Quality</i> , 2004 , 33, 107-13 | 3.4 | 124 |
| 74 | Carbon storage of different soil-size fractions in Florida silvopastoral systems. <i>Journal of Environmental Quality</i> , 2008 , 37, 1789-97 | 3.4 | 114 |
| 73 | Soil carbon stock in relation to plant diversity of homegardens in Kerala, India. <i>Agroforestry Systems</i> , 2009 , 76, 53-65 | 2 | 98 |
| 72 | Carbon storage in soil size fractions under two cacao agroforestry systems in Bahia, Brazil. <i>Environmental Management</i> , 2010 , 45, 274-83 | 3.1 | 81 |
| 71 | Contribution of trees to carbon storage in soils of silvopastoral systems in Florida, USA. <i>Global Change Biology</i> , 2010 , 16, 427-438 | 11.4 | 78 |
| 70 | Carbon storage in relation to soil size-fractions under tropical tree-based land-use systems. <i>Plant and Soil</i> , 2010 , 328, 433-446 | 4.2 | 70 |
| 69 | Forms of Phosphorus in Soil Profiles from Dairies of South Florida. <i>Soil Science Society of America Journal</i> , 1995 , 59, 1244-1249 | 2.5 | 69 |
| 68 | Soil carbon storage as influenced by tree cover in the Dehesa cork oak silvopasture of central-western Spain. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 1897-904 | | 66 |
| 67 | Inhibition of calcium phosphate precipitation under environmentally-relevant conditions. <i>Science of the Total Environment</i> , 2007 , 383, 205-15 | 10.2 | 64 |
| 66 | Soil carbon storage in silvopastoral systems and a treeless pasture in northwestern Spain. <i>Journal of Environmental Quality</i> , 2011 , 40, 825-32 | 3.4 | 63 |
| 65 | Soil phosphorus saturation ratio for risk assessment in land use systems. <i>Frontiers in Environmental Science</i> , 2014 , 2, | 4.8 | 57 |
| 64 | Contribution of trees to soil carbon sequestration under agroforestry systems in the West African Sahel. <i>Agroforestry Systems</i> , 2009 , 76, 11-25 | 2 | 55 |
| 63 | 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> , 2018 , 266, 55-67 | 5.7 | 54 |

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| 62 | A capacity factor as an alternative to soil test phosphorus in phosphorus risk assessment. <i>New Zealand Journal of Agricultural Research</i> , 2004 , 47, 491-497 | 1.9 | 54 |
| 61 | Biochar in the Agroecosystem-Climate-Change-Sustainability Nexus. <i>Frontiers in Plant Science</i> , 2017 , 8, 2051 | 6.2 | 53 |
| 60 | Phosphorus saturation in spodosols impacted by manure. <i>Journal of Environmental Quality</i> , 2002 , 31, 1279-85 | 3.4 | 52 |
| 59 | Dairy Manure Influences on Phosphorus Retention Capacity of Spodosols. <i>Journal of Environmental Quality</i> , 1998 , 27, 522-527 | 3.4 | 52 |
| 58 | Soil carbon storage in silvopasture and related land-use systems in the brazilian cerrado. <i>Journal of Environmental Quality</i> , 2011 , 40, 833-41 | 3.4 | 50 |
| 57 | Relative influence of soil- vs. biochar properties on soil phosphorus retention. <i>Geoderma</i> , 2016 , 280, 82-87 | 4.7 | 47 |
| 56 | A Review of Turfgrass Fertilizer Management Practices: Implications for Urban Water Quality. <i>HortTechnology</i> , 2012 , 22, 280-291 | 1.3 | 42 |
| 55 | Phosphorus loss from organic versus inorganic fertilizers used in alleycropping on a Florida Ultisol. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 117, 290-298 | 5.7 | 37 |
| 54 | Associated release of magnesium and phosphorus from active and abandoned dairy soils. <i>Journal of Environmental Quality</i> , 2005 , 34, 184-91 | 3.4 | 35 |
| 53 | Soil development in phosphate-mined created wetlands of Florida, USA. <i>Wetlands</i> , 2001 , 21, 232-239 | 1.7 | 34 |
| 52 | Controlled application rate of water treatment residual for agronomic and environmental benefits. <i>Journal of Environmental Quality</i> , 2007 , 36, 1715-24 | 3.4 | 33 |
| 51 | Soil carbon sequestration potential of agroforestry systems in Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014 , 6, 22-27 | 7.2 | 31 |
| 50 | Estimating soil total nitrogen in smallholder farm settings using remote sensing spectral indices and regression kriging. <i>Catena</i> , 2018 , 163, 111-122 | 5.8 | 30 |
| 49 | Silvopasture for reducing phosphorus loss from subtropical sandy soils. <i>Plant and Soil</i> , 2007 , 297, 267-276 | 4.2 | 30 |
| 48 | 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> , 2005 , 41, 28-37 | 6.1 | 28 |
| 47 | Reductions in water, soil and nutrient losses and pesticide pollution in agroforestry practices: a review of evidence and processes. <i>Plant and Soil</i> , 2020 , 453, 45-86 | 4.2 | 27 |
| 46 | Influence of flooding on phosphorus mobility in manure-impacted soil. <i>Journal of Environmental Quality</i> , 2002 , 31, 1399-405 | 3.4 | 26 |
| 45 | Laboratory Validation of Soil Phosphorus Storage Capacity Predictions for Use in Risk Assessment. <i>Soil Science Society of America Journal</i> , 2007 , 71, 1564-1569 | 2.5 | 23 |

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| 44 | Phosphorus Retention Capacity of the Spodic Horizon under Varying Environmental Conditions. <i>Journal of Environmental Quality</i> , 1999 , 28, 1308-1313 | 3.4 | 23 |
| 43 | Phosphorus accumulation in manure-impacted Spodosols of Florida. <i>Agriculture, Ecosystems and Environment</i> , 1999 , 75, 31-40 | 5.7 | 23 |
| 42 | Environmental quality improvement of agricultural lands through silvopasture in southeastern United States. <i>Scientia Agricola</i> , 2007 , 64, 513-519 | 2.5 | 20 |
| 41 | Consistency of the Threshold Phosphorus Saturation Ratio across a Wide Geographic Range of Acid Soils 2018 , 1, 1-8 | | 20 |
| 40 | Soil phosphorus storage capacity in manure-impacted Alaquods: Implications for water table management. <i>Agriculture, Ecosystems and Environment</i> , 2011 , 142, 167-175 | 5.7 | 19 |
| 39 | Estimation of phosphorus isotherm parameters: a simple and cost-effective procedure. <i>Frontiers in Environmental Science</i> , 2015 , 3, | 4.8 | 18 |
| 38 | Environmentally Relevant Phosphorus Retention Capacity of Sandy Coastal Plain Soils. <i>Soil Science</i> , 2012 , 177, 701-707 | 0.9 | 17 |
| 37 | Development of indices to predict phosphorus release from wetland soils. <i>Journal of Environmental Quality</i> , 2009 , 38, 878-86 | 3.4 | 16 |
| 36 | Evaluation of Legacy Phosphorus Storage and Release from Wetland Soils. <i>Journal of Environmental Quality</i> , 2015 , 44, 1956-64 | 3.4 | 15 |
| 35 | Potential for greenhouse gas emissions from soil carbon stock following biofuel cultivation on degraded lands. <i>Land Degradation and Development</i> , 2011 , 22, 395-409 | 4.4 | 15 |
| 34 | Subsurface transport and potential risk of phosphorus to groundwater across different land uses in a karst springs basin, Florida, USA. <i>Geoderma</i> , 2019 , 338, 97-106 | 6.7 | 14 |
| 33 | Approaches for evaluating subsurface phosphorus loss potential from soil profiles. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 245, 92-99 | 5.7 | 13 |
| 32 | Grass vs. tree origin of soil organic carbon under different land-use systems in the Brazilian Cerrado. <i>Plant and Soil</i> , 2017 , 419, 281-292 | 4.2 | 10 |
| 31 | Soil Phosphorus Storage Capacity for Environmental Risk Assessment. <i>Advances in Agriculture</i> , 2014 , 2014, 1-9 | 1.1 | 10 |
| 30 | 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> , 2010 , 93, 2598-611 | 4 | 10 |
| 29 | Soil Carbon in Agroforestry Systems: An Unexplored Treasure?. <i>Nature Precedings</i> , 2009 , | | 9 |
| 28 | Phosphorus and other soil components in a dairy effluent sprayfield within the central Florida Ridge. <i>Journal of Environmental Quality</i> , 2007 , 36, 1042-9 | 3.4 | 9 |
| 27 | Silvopasture and Carbon Sequestration with Special Reference to the Brazilian Savanna (Cerrado). <i>Advances in Agroforestry</i> , 2011 , 145-162 | | 8 |

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| 26 | A RETARDATION-BASED MODEL FOR PHOSPHORUS TRANSPORT IN SANDY SOIL. <i>Soil Science</i> , 2006 , 171, 293-304 | 0.9 | 8 |
| 25 | Phosphorus Sorption and Desorption in Wetland Soils. <i>Soil Science Society of America Book Series</i> , 2015 , 667-681 | | 7 |
| 24 | An Introduction to Agroforestry 2021 , | | 7 |
| 23 | Biochar as Influenced by Feedstock Variability: Implications and Opportunities for Phosphorus Management. <i>Frontiers in Sustainable Food Systems</i> , 2020 , 4, | 4.8 | 7 |
| 22 | Soil Properties Pertinent to Horticulture in Florida. <i>HortTechnology</i> , 2010 , 20, 10-18 | 1.3 | 6 |
| 21 | Regulatory and Resource Management Practices for Urban Watersheds: The Florida Experience. <i>HortTechnology</i> , 2012 , 22, 418-429 | 1.3 | 6 |
| 20 | Mining of soil legacy phosphorus without jeopardizing crop yield 2020 , 3, e20056 | | 5 |
| 19 | Do Coffee Agroforestry Systems Always Improve Soil Carbon Stocks Deeper in the Soil? A Case Study from Turrialba, Costa Rica. <i>Forests</i> , 2020 , 11, 49 | 2.8 | 5 |
| 18 | Organization of a Research Paper: The IMRAD Format 2014 , 13-25 | | 5 |
| 17 | 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> , 2020 , 94, 341-358 | 2 | 5 |
| 16 | Compositional Differences Between Alaquods and Paleudults Affecting Phosphorus Sorption-Desorption Behavior. <i>Soil Science</i> , 2012 , 177, 188-197 | 0.9 | 4 |
| 15 | Carbon, iron, and aluminum responses to controlled water table fluctuations in sandy soil material. <i>Journal of Soils and Sediments</i> , 2016 , 16, 2449-2457 | 3.4 | 4 |
| 14 | Minimizing Confounding Factors in Phosphorus Leaching Assessment for Dairy-and Poultry-Manure-Amended Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 975-987 | 1.5 | 3 |
| 13 | Contribution of trees to soil carbon sequestration under agroforestry systems in the West African Sahel. <i>Advances in Agroforestry</i> , 2008 , 11-25 | | 3 |
| 12 | 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> , 2021 , 299, 113676 | 7.9 | 3 |
| 11 | Phosphorous dynamics in poplar silvopastoral systems fertilised with sewage sludge. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 223, 87-98 | 5.7 | 2 |
| 10 | Global Distribution of Agroforestry Systems 2021 , 45-58 | | 1 |
| 9 | Spatial downscaling of soil prediction models based on weighted generalized additive models in smallholder farm settings. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 502 | 3.1 | 0 |

- 8 Characterization of bonechar as a soil amendment in tropical soils. *Horticulture International Journal*, **2021**, 5, 74-76 0.4 0
- 7 A quick field test for evaluating phosphorus movement in sandy soils. *New Zealand Journal of Agricultural Research*, **2005**, 48, 367-375 1.9
- 6 Soil Conservation and Control of Land-Degradation **2021**, 445-474
- 5 Carbon Sequestration and Climate Change Mitigation **2021**, 487-537
- 4 Shaded Perennial Agroforestry Systems **2021**, 137-168
- 3 Other Ecosystem Services of Agroforestry **2021**, 563-581
- 2 Silvopastoral Systems (SPS) in the Tropics and Subtropics **2021**, 169-193
- 1 Plant-to-Plant (Tree-Trop) Interactions in Agroforestry Systems **2021**, 353-364