

Peer- Reviewed Journal Articles

1. Nyamadzawo G., M. K. **Shukla** and R. Lal. 2008. Spatial variability of soil carbon and nitrogen stocks in reclaimed minesoils of southeastern Ohio. *Land Degrad. Develop.* 19(3): on-line.
2. Ikemura Y., M. K. **Shukla**, M. Tahboub, and B. Leinauer. 2008. Physical and chemical properties of soil in an age chronosequence of organic farms for a semi-arid ecosystem of New Mexico. *J. Sustainable Agriculture.* 31:(4): (online).
3. **Shukla**, M.K., R. Lal and D. VanLeeuwen. 2007. Variability of soil organic carbon and nitrogen concentrations in macro, meso and micro aggregate fractions in reclaimed minesoils of eastern Ohio. *Soil Sci. Soc. Am. J.* 71:1748-1757.
4. **Shukla**, M.K., R. Lal, M.H. Ebinger, and C. Meyer. 2008. Physical and chemical properties of soils under Pinon-Juniper-Oak canopies in a semiarid ecosystem in New Mexico- Reply to comments. *J. Arid Environ.* 66: 673–685.
5. Ochoa C.G., A.G. Fernald, S.J. Guldán, and M.K. **Shukla**. 2007. Deep Percolation and its Effects on Shallow Groundwater Level Rise Following Flood Irrigation. *Transaction of ASABE.* 50:73-81.
6. **Shukla**, M.K., R. Lal, M.H. Ebinger, and C. Meyer. 2006. Physical and chemical properties of soils under Pinon-Juniper-Oak canopies in a semiarid ecosystem in New Mexico. *J. Arid Environ.* 66:673-685.
7. **Shukla**, M.K. and T. Sammis. 2006. Book-review. "Development of pedotransfer functions in soil hydrology, Ya. Pachepsky and W.J. Rawls, editors. Elsevier, Amsterdam, Boston, 2004, xxix + 512 p. ISBN 0-444-51705-7. Hardcover. ISSN 0166-2481 (series). *Soil Sci. Soc. Am. J.* 70:708.
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9. Shukla M. K., and R. Lal. 2006. Air permeability of soils. *Encyclopedia of Soil Science.* (Ed.) R. Lal. Marcel Dekker, Inc., 270 Madison Ave., NY, p. 60-63.
10. Shukla M. K., and R. Lal. 2006. Water infiltration in soils. *Encyclopedia of Soil Science* (Ed.) R. Lal. Marcel Dekker, Inc., 270 Madison Ave., NY, p. 1855-1857.
11. **Shukla**, M.K., and R. Lal. 2005. Temporal changes in soil organic concentration and stocks in reclaimed minesoils of southeastern Ohio. *Soil Sci.* 170(12):1013-1021.
12. **Shukla**, M.K., R. Lal and M.H. Ebinger. 2005. Physical and chemical properties of an abandoned minespoil eight years after reclamation in Northeastern Ohio. *Soil Sci. Soc. Am. J.* 69:1288-1297.
13. **Shukla**, M.K., and R. Lal. 2005. Erosional effects on soil properties in an on-farm study on Alfisol in west central Ohio. *Soil Sci.* 170:445-456.
14. **Shukla** M.K., and R. Lal. 2005. Soil organic carbon stock for reclaimed minesoils in Northeastern Ohio. *Land Degrad. Develop.* 16:377-386.
15. **Shukla** M.K., R. Lal, J. Underwood, and M. Ebinger. 2004. Physical and hydrological characteristics of minesoils in Eastern Ohio. *Soil Sci. Soc. Am. J.* 68:1352-1359.
16. **Shukla** M.K., and R. Lal. 2004. Erosional effects on soil organic carbon stock in an on-farm study on Alfisols in West Central Ohio. *Soil Till. Res.* 81:173-181.

17. **Shukla** M.K., B. Slater, R. Lal, and P. Cepuder. 2004. Spatial variability of soil properties and potential management classification of a Chernozemic field in Lower Austria. *Soil Sci.* 169(12): 852-860.
18. **Shukla** M.K., R. Lal, and M. Ebinger. 2004. Soil quality indicators for the Northern Appalachian experimental watersheds in Coshocton Ohio. *Soil Sci.* 169(3): 195 - 205.
19. **Shukla** M.K., R. Lal, and M. Ebinger. 2004. Principle component analysis for predicting corn biomass and grain yields. *Soil Sci.* 169(3): 215 - 224.
20. **Shukla** M.K., R. Lal, and M. Ebinger. 2004. Soil quality indicators for reclaimed minesoils in southeastern Ohio. *Soil Sci.* 169(2): 133-142.
21. **Shukla** M. K., R. Lal, and M. Ebinger. 2003. Tillage effects on physical and hydrological properties of a typic Argiaquolls in central Ohio. *Soil Sci.* 168(11): 802-811.
22. **Shukla** M. K., T.R. Ellsworth, R.J. Hudson, and D.R. Nielsen. 2003. Effect of water flux on solute velocity and dispersion. *Soil Sci. Soc. Am. J.* 67(2): 449-457.
23. **Shukla** M.K., R. Lal, L. B. Owens, and P. Unkefer. 2003. Land use and management impacts on structure and infiltration characteristics of soils in the North Appalachian Region of Ohio. *Soil Sci.* 168(3) 167-177.
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34. **Shukla**, M. K., and M. K. Hardaha. 1995. Seepage and waterlogging problems in command areas - A Case study. *Journal of Institution of Engineers, Civil Engineering division.* 76:65 -70.

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36. Soni B., and M. K. **Shukla**. 1992. Effect of Urbanization on runoff - A review. Hydrology Journal of IAH. 25(3/4): 14-28.