



Publications on
**Carbon Sequestration in
Agroforestry Systems**
2008 – 2011

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Book (All chapters are peer-reviewed)

Kumar, B. M. and Nair, P. K. R. (eds). Carbon Sequestration in Agroforestry Systems. Springer, The Netherlands. (in press: due for publication in July 2011).

Refereed Articles

Nair, P. K. R. 2011. Agroforestry systems and environmental quality: Introduction. *Journal of Environmental Quality* 40: 784–790.

Howlett, D. S., Marcose, M. G., Mosquera-Losada M.-R., Nair, P. K. R., and Nair, V. D. Soil carbon storage as influenced by tree cover in the Dehesa cork oak silvopasture of central-western Spain. *J. Env. Monitoring* (in press).

Howlett, D. S., Mosquera-Losada M.-R., Nair, P. K. R., Nair, V. D., and Rigueiro-Rodríguez, A. 2011. Soil carbon storage in silvopastoral systems and a treeless pasture in northwestern Spain. *Journal of Environmental Quality* 40: 825–832.

Tonucci, R. G., Nair, P. K. R., Nair, V. D., Garcia, R., and Bernardino, F. S. 2011. Soil carbon storage in silvopasture and related land-use systems in the Brazilian Cerrado. *Journal of Environmental Quality* 40: 833–841.

Nair, P. K. R., Nair, V. D., Kumar, B. M., and Showalter, J. M. 2010. Carbon sequestration in agroforestry systems. *Advances in Agronomy* 108: 237 – 307.

Nair, P. K. R., Saha, S. K., Nair, V. D., and Haile, S. G. 2010. Potential for greenhouse gas emissions from soil carbon stock following biofuel cultivation on degraded land. *Land Degradation and Development* (in press).

Saha, S. K., Nair, P. K. R., Nair, V. D., and Kumar, B. M. 2010. Carbon storage in relation to soil size-fractions under some tropical tree-based land-use systems. *Plant and Soil* 328: 433 – 446.

Gama-Rodrigues, E. F., Nair, P. K. R., Nair, V. D., Gama-Rodrigues, A. C., Baligar, V. C., and Machado, R. C. R. 2010. Carbon Storage in Soil-Size Fractions under

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- Haile, S. G., Nair, V. D., and Nair, P. K. R. 2010. Contribution of trees to soil carbon sequestration in silvopastoral systems of Florida. *Global Change Biology* 16: 427–438.
- Nair, P. K. R., Nair, V. D., Kumar, B. M., and Haile, S. G. Soil carbon sequestration in tropical agroforestry systems: A feasibility appraisal. *Environmental Science and Policy* 12: 1099–1111.
- Saha, S. K., Nair, P. K. R., Nair, V. D., and Kumar, B. M. 2009. Soil carbon stock in relation to plant diversity of homegarden systems in Kerala, India. *Agroforestry Systems* 76: 53–65.
- Takimoto, A., Nair, V. D., and Nair, P. K. R. 2009. Soil carbon sequestration potential of agroforestry practices in the West African Sahel. *Agroforestry Systems* 76: 11–25.
- Nair, P. K. R., Kumar, B. M., and Nair, V. D. 2009. Agroforestry as a strategy for carbon sequestration. *J. Soil Science and Plant Nutrition* 172: 10–23.
- Haile, S.G., Nair, P. K. R., and Nair, V. D. 2008. Carbon storage of different soil-size fractions in Florida silvopastoral systems. *Journal of Environmental Quality* 37: 1789–1797.
- Takimoto, A., Nair, P. K. R., and Nair, V. D. 2008. Carbon stock and sequestration potential of traditional and improved agroforestry systems in the West African Sahel. *Agriculture, Ecosystems and Environment* 125: 159–166.
- Takimoto, A., Nair, P. K. R., and Alavalapati, J. R. R. 2008. Socioeconomic potential of carbon sequestration through agroforestry in the West African Sahel. *Mitigation and Adaptation of Strategies for Global Change* 13: 745–761.

Reports Submitted to UNFCCC (UN Framework Convention for Climate Change)

- Nair, P. K. R., Kumar, B. M., Nair, V. D., and Haile, S. G. Soil carbon sequestration in tropical agroforestry systems: Some indicative estimates. July 2008.
- Nair, P. K. R., Haile, S. G., and Nair, V. D. Potential for greenhouse gas emissions from degraded lands opened up for cultivation of biofuel crops. Apr 2009.