

Recent Publications (since 2008) on

## Carbon Sequestration in Agroforestry Systems

By

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### **Book** (All chapters are peer-reviewed)

**Kumar, B. M. and Nair, P. K. R. (eds). 2011. Carbon Sequestration in Agroforestry Systems. Springer, The Netherlands. 307 p. <http://dx.doi.org/10.1007/978-94-007-1630-8> ISBN: 978-94-007-1629-2**

### **Chapters in the Above Book** (All in the above book)

Nair, P. K. R. 2011. Methodological challenges in estimating carbon sequestration potential of agroforestry systems. pp. 3 – 16.

Nair, P. K. R. 2011., Tonucci, R. G., Garcia, R., and Nair, V. D. 2011. Silvopasture and carbon sequestration with special reference to the Brazilian savanna (Cerrado). Pp. 145 – 162.

Saha, S. K., Stein, T. V., and Nair, P. K. R. 2011. The socioeconomic context of carbon sequestration in agroforestry: A case study from the homegardens of Kerala, India. pp. 281 – 298.

Gama-Rodrigues, E. F., Gama-Rodrigues, A. C., Nair, P. K. R. 2011. Soil carbon sequestration in cacao agroforestry systems: A case study from Bahia, Brazil. pp. 85 – 99.

### **Other Book Chapters**

Nair, P. K. R. (2012a). Climate change mitigation and adaptation: A low hanging fruit of agroforestry. In Nair, P. K. R. and Garrity D. P. (eds), Agroforestry: The future of global land use, pp 31–67. Springer, Dordrecht, The Netherlands.

Nair, P. K. R. and Garrity D. P. (2012b). Agroforestry research and development – The way forward. In Nair, P. K. R. and Garrity D. P. (eds), Agroforestry: The future of global land use, pp 515–531. Springer, Dordrecht, The Netherlands.

## **Journal Articles**

- Nair, P. K. R. and Nair, V. D. 2014. 'Solid-fluid-gas': the state of knowledge on carbon-sequestration potential of agroforestry systems in Africa. *Current Opinion in Environmental Sustainability* 6: 22-27. doi: 10.1016/j.cosust.2013.07.014.
- Nair, P. K. R. 2012. Carbon sequestration studies in agroforestry systems: a reality-check. *Agroforestry Systems* 86: 243 – 253.
- 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. 2011. Soil carbon storage as influenced by tree cover in the Dehesa cork oak silvopasture of central-western Spain. *J. Env. Monitoring* 13: 1897–1904
- Nair, P. K. R., Saha, S. K., Nair, V. D., and Haile, S. G. 2011. Potential for greenhouse gas emissions from soil carbon stock following biofuel cultivation on degraded land. *Land Degradation and Development* 22: 395–409.
- Nair, P. K. R. 2011. Agroforestry systems and environmental quality: Introduction. *Journal of Environmental Quality* 40: 784–790.
- 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.
- 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 cacao agroforestry systems in Bahia, Brazil. *Environmental Management* 45: 274 – 283.

- 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. 2009. 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.