

## **PUBLICATIONS by P. K. R. Nair, March 2011**

### **Book Chapters and Journal Articles: only publications since 1990 are listed.**

**Editor-in-Chief:** *Agroforestry Systems* Journal, 1994 (volume 28) – 2006 (volume 66). Publisher: Kluwer (now Springer), Dordrecht, The Netherlands.

**Editor of a Book Series:** Book Series “Advances in Agroforestry” started in 2004; publisher: Springer, Dordrecht, The Netherlands.

### ***Volumes published in the Series:***

1. Nair P.K.R., Rao M. R., Buck L.E. (eds.). 2004. *New Vistas in Agroforestry: A Compendium for the 1<sup>st</sup> World Congress of Agroforestry*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 480 p. ISBN 1-4020-2501-7.
2. Alavalapati J.R.R., Mercer D.E. (eds.). 2004. *Valuing Agroforestry Systems: Methods and Applications*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 314 p. ISBN 1-4020-2412-6.
3. Kumar, B. M. and Nair, P. K. R. (eds) 2006. *Tropical Homegardens: A Time-Tested Example of Sustainable Agroforestry*. *Advances in Agroforestry* 3. Springer Science, Dordrecht, The Netherlands. 390 p. ISBN 1-4020-4947-1.
4. Jose, S. and Gordon, A. M. (eds). 2008. *Toward Agroforestry Design: An Ecological Approach*. *Advances in Agroforestry* 4. Springer Science, The Netherlands). 312 p. ISBN 1-4020-4947-2.
5. Snelder, D. J. and Lasco, R. D. (eds). (2008). *Smallholder Tree Growing for Rural Development and Environmental Service: Lessons from Asia*. *Advances in Agroforestry* 5. [Foreword by P. K. R. Nair]. Springer Science, The Netherlands. ISBN: 978-1-4020-8260-3.
6. Rigueiro-Rodríguez, A., McAdam, J. H., and Mosquera-Losada, M. R., (eds). (2008). *Agroforestry in Europe*. *Advances in Agroforestry* 6. [Foreword by P. K. R. Nair]. Springer Science, The Netherlands. 452 p.; ISBN: 978-1-4020-8271-9.
7. Jose, S. 2010. *Agro forestry for Ecosystem Services and Environmental Benefits*. Reprinted from *Agroforestry Systems*, Volume 76 (1). ISBN: 978-90-481-3322-2.
8. Kumar, B. M. and Nair, P. K. R. (eds). 2011. *Carbon Sequestration in Agroforestry Systems: opportunities and Challenges*. ]. Springer Science, The Netherlands (in press). ISBN: 978-94-007-1629-2.

### **A. Books, Author of**

Nair, P.K.R. 1993. *An Introduction to Agroforestry*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 499 p.  
[The book has been translated into Japanese (1996), Spanish (1997) and Thai (2002)]

Nair, P. K. R. 1990. *The Prospects for Agroforestry in the Tropics*. World Bank Technical Paper No. 131. The World Bank, Washington, D.C. 77 p.

Nair, P.K.R. 1984. *Soil Productivity Aspects of Agroforestry*. Science & Practice of Agroforestry 1. ICRAF, Nairobi, Kenya. 85 p.

Nair, P.K.R. 1980. *Agroforestry Species - A Crop Sheets Manual*. ICRAF 003e, ICRAF, Nairobi. 336 p.

Nair, P.K.R. 1979. *Intensive Multiple Cropping with Coconuts in India: Principles, Programmes and Prospects*. Verlag Paul Parey, Berlin and Hamburg, 149 p.

## **B. Books, Edited**

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

Kumar, B. M. and Nair, P. K. R. (eds) 2006. *Tropical Homegardens: A Time-Tested Example of Sustainable Agroforestry*. *Advances in Agroforestry* 3. Springer Science, Dordrecht, The Netherlands. 390 p.

Nair, P. K. R., Rao, M. R. and Buck, L. E. (eds) 2004. *New Vistas in Agroforestry*. A compendium for the 1st World Congress of Agroforestry, Florida, USA, 2004. Kluwer, The Netherlands. 475 p.

Nair, P. K. R. and Latt, C. R. (eds). 1998. *Directions in Tropical Agroforestry Research*. Kluwer Acad. Publishers, Dordrecht, The Netherlands. 245 p.

Krishnamurthy, L., Nair, P.K.R., and Latt, C.R. (eds) 1993. *Directions in Agroforestry: A Quick Appraisal*. Kluwer Acad. Publishers, Dordrecht, The Netherlands. 186 p.

Nair, P.K.R., Gholz, H.L. and Duryea, M.L. (eds) 1990. *Agroforestry Education and Training: Present and Future - Proceedings of an International Workshop*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 148 p.

Nair, P.K.R. (ed.) 1989. *Agroforestry Systems in the Tropics*. Kluwer Academic Publishers, Dordrecht, The Netherlands. 665 p.

Steppler, H.A. and Nair, P.K.R. (eds) 1987. *Agroforestry: A Decade of Development*. ICRAF, Nairobi, Kenya. 335 p.

## **C. Refereed Journal Articles (Since 1990)**

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. Submitted to *J. Env. Monitoring* DOI: 10.1039/C1EM10059A (in press).

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. *J. Env. Qual.* 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. *J. Env. Qual.* 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).
- 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 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. *Journal of Plant Nutrition and Soil Science* 172: 10–23.
- Saha, S. K., Nair, P. K. R., Nair, V. D., and Kumar, B. M.. Carbon storage in relation to soil size-fractions under some tropical tree-based land-use systems. *Plant and Soil* (in press).
- Takimoto, A., Nair, V. D., and Nair, P. K. R. 2009. Soil carbon sequestration potential of agroforestry

- practices in the West African Sahel. *Agrofor Syst* 76: 11–25.
- Nair, P. K. R. 2008. Agroecosystem management in the 21<sup>st</sup> century: It is time for a paradigm shift. *J. Tropical Agri.* 46: 1–12.
- Haile, S.G., Nair, P. K. R., and Nair, V. D. 2008. Carbon storage of different soil-size fractions in Florida silvopastoral systems. *J. Environmental Quality* 37: 1789–1797.
- Bellow, J. G., Hudson, R. F., and Nair, P. K. R. 2008. Adoption Potential of fruit-tree-based agroforestry on small farms in the subtropical highlands. *Agroforestry Systems* 73: 23–36.
- 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.
- Nair, V. D., S. G. Haile, G.-A. Michel, and P. K. R. Nair. 2007. Environmental quality improvement of agricultural lands through silvopasture in the southeastern United States. *Scientia Agricola* 64 (5): 513–517.
- Michel, G.-A., V.D. Nair, and P.K.R. Nair. 2007. Silvopasture for reducing phosphorus loss from subtropical sandy soils. *Plant and Soil* 297: 267–276.
- Zamora, D. S., Jose S., and Nair, P. K. R. 2007. Interspecific competition in a pecan–cotton alleycropping system in the southern United States: production physiology. *Can J Bot* 84: 1686–1694.
- Zamora, D. S., Jose, S., and Nair, P. K. R. 2007. Morphological plasticity of cotton roots in response to interspecific competition with pecan in an alleycropping system in the southern United States. *Agroforestry Systems*. 69: 107–116.
- Nair, P. K. R. 2007. The coming of age of agroforestry. *The Journal of the Science of Food and Agriculture* 87: 1613– 619.
- Nair, P. K. R. 2007. Agroforestry for sustainability of lower-input land-use systems. 2007. *J. Crop Improvement* 19: 25–47.
- Mohan, S., P. K. R. Nair, and A. J. Long. 2007. An Assessment of Homegarden Diversity: A Case Study from Kerala State, India. *J. Sustainable Agri.* 29: 135 – 153.
- Cole, D. M., T. L. White, and P. K. R. Nair. 2007. Maintaining genetic resources of peach palm (*Bactris gasipaes* Kunth): the role of seed migration and swidden-fallow management in northeastern Peru. *Genetic Resources and Crop Evolution* 54: 189 – 204.

- Nair, V. D., P. K. R. Nair, R. S. Kalmbacher, and I. V. Ezenwa. 2007. Reducing nutrient loss from farms through silvopastoral practices in coarse-textured soils of Florida, USA. *Ecological Engineering* 29: 192 – 199.
- Allen, S. C., V. D. Nair, D. A. Graetz, S. Jose, and P. K. R. Nair. 2006. Phosphorus loss from organic versus inorganic fertilizers used in alleycropping on a Florida Ultisol. *Agriculture, Ecosystems and Environment* 117: 290 – 298.
- Miller, R. P. and P. K. R. Nair. 2006. Indigenous agroforestry systems in Amazonia: from prehistory to today. *Agroforestry Systems* 66: 151 – 164.
- Nair, P. K. R., M. E. Bannister, and S. C. Allen. 2005. Agroforestry today: An analysis of the 750 abstracts presented to the 1<sup>st</sup> World Congress of Agroforestry, 2004. *J. of Forestry* 103: 417 – 421.
- Ellis, E.A., P.K.R. Nair, S.D. Jeswani. 2005. The Southeastern Decision Support System (SEADSS): Development of a web-based application for agroforestry planning and tree selection. *Computers and Electronics in Agriculture*: 49: 129 – 141.
- Nair, P. K. R. 2005. How (not) to write research articles in agroforestry. *Agroforestry Systems* 64: 5 – 17.
- Nair, P. K. R. 2005. The 1<sup>st</sup> World Congress of Agroforestry. *Agroforestry Systems* 63: 1 – 6.
- Allen, S. C., S. Jose, P. K. R. Nair, B. J. Brecke, V. D. Nair, D. A. Graetz, and C. L. Ramsey. 2005. Nitrogen mineralization in a pecan (*Carya illinoensis* K. Koch)-cotton (*Gossypium hirsutum* L.) alley cropping system in the southern United States. *Biology and Fertility of Soil* 41: 28 – 37.
- Allen, S. C., S. Jose, P. K. R. Nair, and B. J. Brecke. 2004. Competition for <sup>15</sup>N-labeled fertilizer in a pecan (*Carya illinoensis* K. Koch)-cotton (*Gossypium hirsutum* L.) alley cropping system in the southern United States. *Plant and Soil* 263: 151-164.
- Albertin, A. and P. K. R. Nair 2004. Farmers' perspectives on the role of shade trees in coffee production systems: An assessment from the Nicoya Peninsula, Costa Rica. *Human Ecology* 32: 443 – 463.
- Allen, S.C., S. Jose, P.K.R. Nair, B.J. Brecke, P. Nkedi-Kizza, and C.L. Ramsey. 2004. Safety-net role of tree roots: evidence from a pecan (*Carya illinoensis* K. Koch) – cotton (*Gossypium hirsutum* L.) alley cropping system in the southern United States. *Forest Ecology and Management* 192: 395-407.
- Kumar, B. M. and P.K.R. Nair 2004. The enigma of tropical homegardens. *Agroforestry Systems* 61 & 62: 135-154.
- Montagnini, F. and P.K.R. Nair 2004. Carbon sequestration: An under-exploited environmental benefit of agroforestry systems. *Agroforestry Systems* 61 & 62: 281-298.

- Puri, S. and P.K.R. Nair. 2004. Agroforestry research for development in India: 25 years of experiences of a national program. *Agroforestry Systems* 61 & 62: 437-452.
- Kaya, B. and P. K. R. Nair 2004. Dynamics of Particulate Organic Matter following biomass addition from fallow-improvement species in southern Mali. *Agroforestry Systems* 60: 267-276.
- Wanvestraut, R., S. Jose, P. K. R. Nair, and B. J. Brecke 2004. Competition for water in a pecan-cotton alley cropping system in the southern United States. *Agroforestry Systems* 60: 167-179.
- Mudhara, M., Hildebrand, P. E., and Nair, P. K. R. 2003. Potential for the adoption of *Sesbania sesban* improved fallows in Zimbabwe: A linear programming-based case study of small-scale farmers. *Agroforestry Systems* 59: 307-315.
- Dagang, A. B. K. and Nair, P. K. R. 2003. Silvopastoral research and adoption in Central America: recent findings and recommendations for future directions. *Agroforestry Systems* 59: 149-155.
- Workman, S. W., Bannister, M. E., and Nair, P. K. R. 2003. Agroforestry potential in the southeastern United States: Perceptions of landowners and extension professionals. *Agroforestry Systems* 59: 73-83.
- Bannister, M. E. and Nair, P. K. R. 2003. Agroforestry adoption in Haiti: the importance of household- and farm characteristics. *Agroforestry Systems* 57: 149-157.
- Bellow, J. G. and Nair, P. K. R. 2003. Understory light availability in stands of trees used in shaded perennial agroforestry systems. *Agricultural and Forest Meteorology* 114: 197-211.
- Nair, P. K. R. 2001. Do tropical homegardens elude science, or is it the other way around? *Agroforestry Systems* 53: 239-245.
- Kaya, B. and Nair, P. K. R. 2001. Soil fertility and crop yields under improved fallow systems in southern Mali. *Agroforestry Systems* 52: 1-11.
- Latt, C. R., Nair, P. K. R., and Kang, B. T. 2001. Reserve carbohydrate cycles in the boles and structural roots of five multipurpose tree species. *Forest Ecology and Management* 146: 145-158.
- Kaya, B., Hildebrand, P. E. and Nair, P. K. R. 2000. Modeling changes in farming systems with the adoption of improved fallows in southern Mali. *Agricultural Systems*, 66: 51-68.
- Viswanath, S., Nair, P. K. R., Kaushik, P. K., and Prakasam, U. 2000. *Acacia nilotica* in rice fields: a traditional agroforestry system in central India. *Agroforestry Systems* 50: 157-177.
- Latt, C. R., Nair, P. K. R., and Kang, B. T. 2000. Interactions among cutting frequency, reserve carbohydrates and post-cutting biomass production in *Leucaena leucocephala* and *Gliricidia sepium*. *Agroforestry Systems* 50: 27-46.
- Mugendi, D. N., Nair, P. K. R. and Graetz, D. A. 2000. Nitrogen Recovery by Alley-Cropped Maize and Trees from 15 N-Labeled Tree Biomass in the Subhumid Highlands of Kenya. *Biology and*

Fertility of Soils 31: 97-101.

- Ellis, E. A., Nair, P. K. R., Linehan, P. E., Beck, H. W. and Blanche, C.A. 2000. A GIS-Based Database Management Application for Agroforestry Planning and Tree Selection. *COMPAQ: Computers and Electronics in Agriculture*. 27: 41-55.
- Nair, P. K. R. 1999. Agroforestry research at a crossroads. *Annals of Arid Zone*. 38: 415-430.
- Mugendi, D. N., Nair, P. K. R., Mugwe, J. N., O'Neil, M. K, and Woomer, P. L. 1999. Alley cropping of maize with calliandra and leucaena in the subhumid highlands of Kenya. Part 1. Soil fertility changes and maize yield. *Agroforestry Systems*. 46: 39-50.
- Mugendi, D. N., Nair, P. K. R., Mugwe, J. N., O'Neil, M. K., Swift, M. J., and Woomer, P. L. 1999. Alley cropping of maize with calliandra and leucaena in the subhumid highlands of Kenya. Part 2. Biomass decomposition, N mineralization, and N uptake by maize. *Agroforestry Systems*. 46: 51-64.
- Mafongoya, P. L., Nair, P. K. R. and Dzwela, B. H. 1998. Mineralization of nitrogen from decomposing leaves of multipurpose trees as affected by their chemical composition. *Soil Biology and Fertility* 27: 143-148.
- Nair, P. K. R. 1998. Directions in tropical agroforestry research. *Agroforestry Systems* 38: 223-245.
- Mugendi, D. N. and Nair, P. K. R. 1997. Predicting the decomposition patterns of tree biomass in tropical highland microregions of Kenya. *Agroforestry Systems* 35: 187-201.
- Mafongoya, P.L., Nair, P.K.R., and Dzwela, B.H. 1997. Multipurpose tree prunings as a source of nitrogen to maize under semiarid conditions in Zimbabwe. 3. Interactions of pruning quality and time and method of application on nitrogen recovery by maize in two soil types. *Agroforestry Systems* 35: 57-70.
- Mafongoya, P.L., Nair, P.K.R., and Dzwela, B.H. 1997. Multipurpose tree prunings as a source of nitrogen to maize under semiarid conditions in Zimbabwe. 2. Nitrogen-recovery rates and crop growth as influenced by mixtures of prunings. *Agroforestry Systems* 35: 47-56.
- Mafongoya, P.L. and Nair, P.K.R. 1997. Multipurpose tree prunings as a source of nitrogen to maize under semiarid conditions in Zimbabwe. 1. Nitrogen-recovery rates in relation to pruning quality and method of application. *Agroforestry Systems* 35: 31-46.
- Govindarajan, M., Rao, M.R., Mathuva, M.N., and Nair, P.K.R. 1996. Root dynamics in a hedgerow intercropping system in semiarid highlands of Kenya. *Agronomy Journal* 88(4): 513-520.
- Jama, B.A. and Nair, P.K.R. 1996. Decomposition- and nitrogen-mineralization patterns of *Leucaena leucocephala* and *Cassia siamea* under tropical semiarid conditions in Kenya. *Plant and Soil* 179: 275-285.
- Jama, B.A., Nair, P.K.R., and Rao, M.R. 1995. Productivity of hedgerow shrubs and maize under

- alleycropping and block planting systems in semiarid Kenya. *Agroforestry Systems* 31: 257-274.
- Brunori, A., Nair, P.K.R., and Rockwood, D.L. 1995. Water harvesting and tree growth in arid regions: a case study from the Negev Desert of Israel. *Forest Ecology and Management* 75: 41-48.
- Follis, M.B. and Nair, P.K.R. 1994. Policy and institutional support for agroforestry: an analysis of two Ecuadorian case studies. *Agroforestry Systems* 27:223-240.
- Chirwa, P. W., Nair, P. K. R., and Kamara, C. S. 1994. Pattern of soil moisture depletion in alley cropping under semiarid conditions in Zambia. *Agroforestry Systems* 26: 89-99.
- Chirwa, P. W., Nair, P. K. R., and Kamara, C. S. 1994. Soil moisture changes and maize productivity under alley cropping with *Leucaena* and *Flemingia* hedgerows in semiarid conditions in Lusaka, Zambia. *Forest Ecology and Management* 64:231-243.
- Muschler, R. G., Nair, P. K. R., and Melendez, L. 1993. Crown development and biomass production of pollarded *Erythrina berteroana*, *E. fusca* and *Gliricidia sepium* in the humid tropical lowlands of Costa Rica. *Agroforestry Systems* 24: 123-143.
- Omoro, L.M.A. and Nair, P.K.R. 1993. Effects of mulching with multipurpose-tree prunings on soil- and water run-off under semiarid conditions in Kenya. *Agroforestry Systems* 22: 225-239.
- Erdmann, T. K., Nair, P. K. R., and Kang, B. T. 1993. Effects of cutting frequency and cutting height on reserve carbohydrates in *Gliricidia sepium* (Jacq.) Walp. *Forest Ecology and Management* 57: 47-60.
- Nair, P. K. R. and Dagar, J. C. 1991. An approach to developing methodologies for evaluating agroforestry systems in India. *Agroforestry Systems* 16: 55-81.
- Warkentin, M.E., Nair, P.K.R., Ruth, S.R., and Sprague, K. 1990. A knowledge-based expert system for planning and design of agroforestry systems. *Agroforestry Systems* 11: 71-83.
- Bannister, M.E. and Nair, P.K.R. 1990. Alleycropping as a sustainable technology for the hillsides of Haiti: experience of an agroforestry outreach project. *American Journal of Alternative Agriculture* 5: 51-59.

#### **D. Book Chapters (Since 1990)**

- Nair, P. K. R. 2011. Methodological challenges in estimating carbon sequestration potential of agroforestry systems. In: Kumar, B. M. and Nair, P. K. R. (eds). *Carbon Sequestration in Agroforestry Systems*. Springer, The Netherlands. (in press: publication in mid-2011).
- E. F. Gama-Rodrigues, E. F., Gama-Rodrigues, A. C., and Nair, P. K. R. 2011. Soil carbon

- sequestration in cacao agroforestry systems: a case study from Bahia, Brazil. In: Kumar, B. M. and Nair, P. K. R. (eds). *Carbon Sequestration in Agroforestry Systems*. Springer, The Netherlands. (in press: publication in mid-2011).
- Nair, P. K. R., Tonucci, R. G., Garcia, R., and Nair, V. D. (2011). Silvopasture and carbon sequestration with special reference to the Brazilian Savanna (Cerrado). In: Kumar, B. M. and Nair, P. K. R. (eds). *Carbon Sequestration in Agroforestry Systems*. Springer, The Netherlands. (in press: publication in mid-2011).
- Nair, P. K. R., Tonucci, R. G., and Garcia, R. (2010). Agroforestry and GHG mitigation: Perspectives on silvopasture and carbon sequestration in the Brazilian cerrado. Keynote paper to International Symposium on Greenhouse Gas Emissions in the Brazilian Beef Cattle Production, 16 – 18 November 2010, Campo Grande, MS, Brazil. Proceedings in press.
- Gordon, A. M., Thevathasan, N., and Nair, P. K. R. 2009. An agroecological foundation for temperate agroforestry. In: Garrett H.E. (ed.). *Temperate Agroforestry: Science and Practice*. 2nd Edition, pp. 25 – 44. American Society of Agronomy, Madison, WI.
- Nair, P. K. R., Gordon, A. M., and Mosquera-Losada, M.-R. 2008. Agroforestry. In: Jorgensen, S. E. and Fath B. D. (eds), *Ecological Engineering*, Vol [1] of *Encyclopedia of Ecology*, 5 vols., pp. 101 – 110. Elsevier, Oxford, U.K.
- Bellow, J. G., Nair, P. K. R., and T. A. Martin, T. A. 2008. Tree – Crop Interactions in fruit-tree-based agroforestry systems in Western Highlands of Guatemala: Component yields and system performance. In: Jose, S. and Gordon, A. M. (eds), *Toward Agroforestry Design: An Ecological Approach*, *Advances in Agroforestry* 4, pp. 111 – 131. Springer Science, The Netherlands.
- Zamora, D. S., Jose S., Nair, P. K. R., Jones, J. W., Brecke, B. J., and Ramsey, C. L. 2008. Interspecific competition in a pecan–cotton alleycropping system in the southern United States: Is light the limiting factor? In: Jose, S. and Gordon, A. M. (eds) *Toward agroforestry design: an ecological approach*. *Advances in Agroforestry* 4, pp. 81 – 95. Springer Science, The Netherlands.
- Jose, S., Allen, S.C., and Nair, P.K.R. 2007. Tree-crop interactions: Lessons from temperate alleycropping systems. In: Batish D.R., Kohli, R.K., Jose, S., and Singh H.P. (eds.), *Ecological Basis of Agroforestry*, pp. 15 – 36. CRC Press/Taylor&Francis.
- Nair, P. K. R. 2006. The role of soil science in the sustainability of agroforestry systems: Eliminating hunger and poverty. In: Gama-Rodrigues, A.C.; Barros, N.F.; Gama-Rodrigues, E.F.; Freitas, M.S.M.; Viana, A.P.; Jasmin, J.M.; Marciano, C.R., and Carneiro, J.G.A. (eds). *Sistemas agroflorestais: Bases científicas para o desenvolvimento sustentável*, pp.203 – 216. Campos dos Goytacazes, Universidade Estadual do Norte Fluminense, Brazil.
- Nair, P. K. R. 2006. Whither homegardens? In: Kumar, B. M. and Nair, P. K. R. (eds). *Tropical Homegardens*, pp. 355 – 370. *Advances in Agroforestry* 3. Springer Science, The Netherlands.

- Nair, P. K. R. and Kumar, B. M. 2006. Introduction. In: Kumar, B. M. and Nair, P. K. R. (eds). Tropical Homegardens, pp. 3 –11. *Advances in Agroforestry 3*. Springer Science, The Netherlands.
- Mohan, S., Nair, P. K. R. and Alavalapati, J. A. A. 2006. Financial Analysis of Homegardens: Case Study based in Kerala state, India. In: Kumar, B. M. and Nair, P. K. R. (eds). Tropical Homegardens, pp. 283 – 296. *Advances in Agroforestry 3*. Springer Science, The Netherlands.
- Nair, P. K. R., Bannister, M. E., Nair, V. D., Alavalapati, J. R. R., Ellis, E. A., Jose, S. and Long, A. J. 2005. Silvopasture in southeastern United States: More than just a new name for an old practice. In: Mosquera-Losada, M.R., J. McAdam, J., and A. Rigueiro-Rodríguez. (eds), *Silvopastoralism and Sustainable Land Management*, pp. 72 – 82. CABI, Wallingford, U. K.
- Nair, P. K. R. 2005. Agroforestry: Trees in support of sustainable agriculture. In: Hillel, H., C. Rosenzweig, D. Powlson, K. Scow, M. Singer, and D. Sparks, D. (eds), *Encyclopedia of Soils in the Environment*. Vo1 1, pp. 35 – 44. Elsevier, London, U.K.
- Drew, W. M., Alavalapati, J. R. R., and Nair, P. K. R. 2004. Determining agroforestry profitability using the policy analysis matrix: A case study from Pohnpei, Federated states of Micronesia. In: Alavalapati, J. R. R. and Mercer, D. E. (eds), *Valuing Agroforestry Systems* (vol 2 in the series *Advances in Agroforestry*), pp. 59 – 78. Springer, Dordrecht, The Netherlands.
- Palada, M.C., Becker, B.N., Mitchell, J.M., Nair, P.K.R. 2003. Cultivation of medicinal plants in alley cropping systems with *Moringa oleifera* in the Virgin Islands. pp. 60-76 In: Y.N. Clement and C.E. Seaforth (eds). Proc. of the 6th International Workshop on Herbal Medicine in the Caribbean. The Learning Resource Centre, The University of the West Indies, St. Augustine, Trinidad and Tobago, June 27-29, 2003.
- Nair, P. K. R. and Nair, V.D. 2003. Carbon Storage in North American Agroforestry Systems. In: Kimble, J., Heath, L.S., Birdsey, R.A., and Lal, R. (eds). *The Potential of U.S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*, pp. 333-346. Boca Raton, FL: CRC Press LLC.
- Ruark, G.A., Schoeneberger, M. M., and Nair, P. K. R. 2003 *Agroforestry - Helping to Achieve Sustainable Forest Management*. UNFF (United Nations Forum for Forests) Intersessional Experts Meeting on the Role of Planted Forests in Sustainable Forest Management, 24-30 March 2003, New Zealand<[www.maf.govt.nz/unff-planted-forestry-meeting](http://www.maf.govt.nz/unff-planted-forestry-meeting)>
- Nair, P.K R., and Nair, V.D. 2002. Carbon Sequestration in Agroforestry Systems. Paper 989. p 989-1 to 989-13. Transactions. World Congress of Soil Science. Bangkok, Thailand. August 14-21, 2002. CD Rom publication.]
- Nair, P. K. R. 2001. Agroforestry. In: *Our Fragile World: Challenges and Opportunities for Sustainable Development*, Forerunner to *The Encyclopedia of Life Support Systems* (M. Tolba, ed.) , Chapter 1.25, pp. 375-393, vol. I. UNESCO, Paris, France, & EOLSS, UK.

- Alavalapati, J. and Nair, P. K. R. 2001. Socioeconomic and institutional perspectives of agroforestry. *In: Palo, M., J. Uusivuori, and G. Mery (eds), World forests, markets and policies* (vol 3 in the series *World Forests*), pp. 71-81. Kluwer, Dordrecht, The Netherlands.
- Long, A. J. and Nair, P. K. R. 1999. Trees outside forests: Agro-, community, and urban forestry. Special Issue of *New Forests*. 17: 145-174.
- Nair, P. K. R., Buresh, R. J., Mugendi, D. N., and Latt, C. R. 1999. Nutrient cycling in tropical agroforestry systems: Myths and science. *In: Buck, L. E., Lassoie, J. P. and Fernandes, E. C. M. (eds), Agroforestry in Sustainable Agricultural Systems*, pp.1-31. CRC Press, Boca Raton, FL.
- Nair, P. K. R. 1999. Forestry in the future: think globally, act locally. Keynote paper to the International seminar on Sustainable Forest Management. *In: Mathema, P., Dutta, I.C., Balla, M.K., and Adhikary, S.N. (eds), Sustainable Forest Management, Proceedings of an International Seminar, 31 August to 2 September 1998*, pp. 9-17. Institute of Forestry/ International Tropical Timber Organization, Pokhara, Nepal.
- Nair, P. K. R. 1999. Agroforestry research in support of rural development. *In: Mathema, P., Dutta, I.C., Balla, M.K., and Adhikary, S.N. (eds), Sustainable Forest Management, Proceedings of an International Seminar, 31 August to 2 September 1998*, pp.202-216. Institute of Forestry/ International Tropical Timber Organization, Pokhara, Nepal.
- Rao, M. R., Nair, P. K. R. and Ong, C. K. 1998. Biophysical interactions in tropical agroforestry systems. *Agroforestry Systems* 38: 3-50.
- Mafongoya, P. L., Dzwela, B. H., and Nair, P. K. R. 1997. Effect of multipurpose trees, age of cutting, and method of drying on pruning quality. *In: Cadisch, G. And Giller, K. E. (eds), Driven by Nature*, pp. 167-174. CAB International, Wallingford, U.K.
- Nair, P. K. R. 1996. Agroforestry Literature: Trends and Directions. *In: McDonald, P. and J.L. Lassoie (eds), Contemporary Core Literature of the Agricultural Sciences: Forestry and Agroforestry*, pp. 74-95. Cornell Univ. Press, Ithaca, N.Y.
- Nair, P.K.R., Kang, B.T., and Kass, D.C.L. 1995. Nutrient cycling and soil-erosion control in agroforestry systems. *In: Juo, A.S.R. and Freed, R.D. (eds), Agriculture and the Environment: Bridging Food Production and Environmental Protection in Developing Countries*, pp. 115-136. American Society of Agronomy, Madison, Wisconsin.
- Nair, P.K.R. and Latt, C.R. 1994. Agroforestry education and training activities at the University of Florida. *Agroforestry Systems* 28:37-44.
- Nair, P.K.R., Rao, M.R., and Fernandes, E.C.M. 1994. Tree-crop interactions in sustainable agroforestry systems. *In: Virmani, S.M. and Sekhon, G.S. (eds.) Soil Technology for Sustainable Agriculture*, pp. 110-137, Symposium VIa, XV World Soils Congress, Acapulco, Mexico.

- Nair, P. K. R. 1994. Agroforestry. *Encyclopedia of Agricultural Science* 1:13-25, Academic Press, New York, NY.
- Nair, P.K.R., Follis, M.B., and Jama B. A. 1994. Agroforestry: The remarriage of trees and crops - Its importance in sustainable land management. *In: Wood, R.C. and Dumanski, J. (eds) Proc. Int'l Workshop on Sustainable Land Management for the 21st Century, Vol.2: 157-177.* Agriculture Institute of Canada, Ottawa.
- Nair, P. K. R. 1993. State-of-the-art of agroforestry research and education. *Agroforestry Systems* 23: 95-119.
- Nair, P. K. R. 1993. Agroforestry. *The 1993 McGraw-Hill Yearbook of Science and Technology*, pp. 9-11. McGraw-Hill, New York, NY.
- Nair, P. K. R. and Muschler, R. G. 1993. Agroforestry. Chapter 16. *In: Panser, L. (ed.). Tropical Forestry Handbook*, pp. 983-1053. Springer Verlag, Heidelberg, Germany.
- Nair, P. K. R. 1992. Agroforestry systems design: an ecozone approach. *In: Sharma, N. P. (ed.). Managing the World's Forests: Looking for Balance Between Conservation and Development*, pp. 403-432. Kendall/Hunt Publ., Falls Church, VA for The World Bank, Washington, D.C.
- Nair, P.K.R. 1991. State-of-the-art of agroforestry systems. *Forest Ecology and Management* 45: 5-29.
- Warkentin, M. E., Nair, P. K. R., and Ruth, S. R. 1991. An expert system for tropical and subtropical agricultural management. *In: Liebowitz, J. (ed.). Proc. The World Congress on Expert Systems, Vol. 2*, pp. 929-936. Pergamon Press, New York, NY.
- Long, A. J. and Nair, P. K. R. 1991. Agroforestry systems design for the temperate region: Lessons from the tropics. *In: Garrett, H. E. (ed.). Proceedings of the Second Conference on Agroforestry in N. America*, pp. 133-139. Univ. of Missouri, Columbia, MO.
- Nair, P. K. R., Follis, M. B. and Murphy, T. P. 1991. Agroforestry and sustainable development in the humid tropical lowlands of Latin America and the Caribbean. *In: Johnson, D.V. (ed.). Development Strategies and Natural resource Management: Proceedings of the Humid Tropical Lowlands Conference, Vol. 1: 55-72.* DESFIL, Development Alternatives Inc., MD.
- Nair, P.K.R. 1990. Agroforestry: an approach to sustainable land use in the tropics. *In: Altieri, M.A. and Schmidt, L.L. (eds.). Agroecology and Small Farm Development*, pp. 121-135. CRC Press, Boca Raton, FL.
- Nair, P.K.R. 1990. Classification of agroforestry systems. *In: MacDicken, K.G. and Vergara, N.T. (eds). Agroforestry: Classification and Management*, Chapter 2, pp. 31-57. John Wiley, New York, NY.