References

- Akyeampong E, Duguma B, Heineman AM, Kamara CS, Kiepe P, Kwesiga F, Ong CK, Otieno HK and Rao MR (1995) A synthesis of ICRAF's research on alley cropping. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa (in press)
- Alegre JC and Fernandes ECM (1991) Runoff and erosion losses under forest, low input agriculture and alley cropping on slopes. In: TropSoils technical report, 1988-1989, pp 227-228. North Carolina State University, Raleigh, NC, USA
- Alexandre DY and Ouedraogo SJ (1992) Variations in root morphology of Faidherbia albida in relation to soil and agronomic effects. In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 107-110. ICRISAT, Patancheru, India
- Anderson AB (ed) (1990) Alternatives to deforestation: Steps toward sustainable use of the Amazon rainforest. Columbia University Press, New York, USA, 281 pp
- Anderson JM and Ingram JSI (eds) (1993) Tropical Soil Biology and Fertility. A Handbook of Methods. 2nd Ed. CABI, Wallingford, UK, 221 pp
- Anderson LS and Sinclair FL (1993) Ecological interactions in agroforestry systems. Forestry Abstracts 54: 489-523 and Agroforestry Abstracts 6(2): 57-91
- Andrews DJ and Kassam AH (1976) The importance of multiple cropping in increasing world food supplies. ASA Special Publication 27: I-10. American Society of Agronomy, Madison, WI, USA
- Atta-Krah AN (1990) Alley farming with leucaena: Effect of short grazed fallows on soil fertility and crop yields. Experimental Agriculture 26: 1-10
- Avila M and Minae S (1991) Diagnosis and design: ICRAF develops a methodology for planning agroforestry research. Agroforestry Today 3(3): 9-11
- Banda AZ, Maghembe JA, Ngugi DN and Chome VA (1994) Effect of intercropping and closely spaced leucaena hedgerows on soil conservation and maize yield on a steep slope at Nicheu, Malawi. Agroforestry Systems 27: 17-22
- Bandy DE, Garrity DP and Sanchez PA (1993) The world-wide problem of slash and burn agriculture. Agroforestry Today 5(3): 2-6
- Barrios E, Buresh RJ and Sprent JI (1995) Organic matter in soil particle size and density fractions from maize and legume cropping systems. Soil Biology and Biochemistry (in press) Bene JG, Beall HW and Cote A (1977) Trees, Food and People. IDRC, Ottawa, Canada
- Bonkoungou JE (1992) Sociocultural and economic functions of Acacia albida in West Africa. In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 1-8. ICRISAT, Patancheru, India
- Brookfield H and Padoch C (1994) Agrodiversity. Environment 36(5): 7-11, 37-45
- Brooks KN, Gregersen HM and Folloitt PM (1995) Policy measures to increase agroforestry's contribution to sustainable land use. Draft policy brief. EPAT/MUCIA/USAID, University of Minnesota, St. Paul, MN, USA, 3 pp
- Brouwer J, Fussell LK and Herrmann L (1993) Soil and crop microvariability in the West African semi-arid tropics: A possible risk reducing factor for subsistence farmers. Agriculture, Ecosystems and Environment 45: 229-238
- Budowski G (1993) The scope and potential of agroforestry in Latin America. Agroforestry Systems 23: 121-132
- Cahn MD, Bouldin DR and Cravo MS (1992) Nitrate sorption in the profile of an acid soil. Plant and Soil 143: 179-183
- Charreau C and Vidal P (1965) Influence de l'Acacia albida sur le sol: Nutrition minerale et rendements des mils *Pennisetum* au Senegal. Agronomie Tropicale 6-7: 600-626
- Clement CR (1989) The potential use of the pejibaye palm in agroforestry systems. Agroforestry Systems 7: 201-212
- Clement CR and Villachica H (1994) Amazonian fruits and nuts: Potential for domestication in various ecosystems. In: RRB Leakey and Newton AC (eds) Tropical Trees: Potential for Domestication and the Rebuilding of Forest Resources, pp 230-238. HMSO, London, UK

- Coe R (1994) Through the looking glass: 10 common problems in alley-cropping research. Agroforestry Today 6: 9-11
- Coleman DC, Dighton J, Ritz K and Giller KE (1994) Perspectives on the compositional and functional analysis of soil communities. In: Ritz K, Dighton J and Giller KE (eds) Beyond the Biomass, pp 261-271. Willey-Sayce, Chichester, UK
- Cunningham AB and Mbenkum FT (1993) Sustainability of harvesting Prunus africana bark in Cameroon: A medicinal plant in the international trade. People and Plants Working Paper 2. UNESCO, Paris, France, 28 pp
- Dalal RC (1974) Effect of intercropping maize with pigeon peas on grain yields and nutrient uptake. Experimental Agriculture 10: 83-90
- Dale VH, Houghton RA, Grainger A, Lugo AE and Brown S (1993) Emissions of greenhouse gases from tropical deforestation and subsequent uses of the land. In: Sustainable Agriculture and the Environment in the Humid Tropics, pp 215-260. National Academy Press, Washington, USA
- Davelouis JR, Sanchez PA and Alegre JC (1991) Green manure incorporation and soil acidity amelioration. In: TropSoils technical report 1988-1989, pp 286-289. North Carolina State University, Raleigh, NC, USA
- Deans JD, Lindley DK and Munro RC (1993) Deep beneath the trees in Senegal. ITE Annual Report for 1993: 1-3. Institute of Terrestrial Ecology, UK
- Depommier D, Jadonet E and Oliver R (1992) Faidherbia albida parks and their influence on soils and crops at Watinoma, Burkina Faso. In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 111-116. ICRISAT, Patancheru, India
- Dupuy N and Dreyfus B (1992) Presence of bradyrhizobia under Acacia albida. In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 145-148. ICRISAT, Patancheru, India
- Dzowela B and Kwesiga F (1994) The potentials and limitations of agroforestry for improving livestock production and soil fertility in southern Africa. In: Craswell ET and Simpson J (eds) Soil Fertility and Climatic Constraints in Dryland Agriculture. ACIAR Proceedings 54: 19-25. Canberra, Australia
- Fernandes ECM, Davey CB and Nelson LA (1993) Alley cropping on an acid soil in the upper Amazon: Mulch, fertilizer and hedgerow pruning effects. ASA Special Publication 56: 77-96. American Society of Agronomy, Madison, WI, USA
- Fisher MJ, Rao IM, Ayarza MA, Lascano CE, Sanz JI, Thomas RJ and Vera RR (1994) Carbon storage by introduced deep-rooted grasses in the South American savannas. Nature 371: 236-238
- Franzel S, Hitimana L and Akyeampong E (1995) Farmer participation on-station tree species selection for agroforestry: A case study from Burundi. Experimental Agriculture 31: 27-38 Fresco LO and Kroonenberg SB (1992) Time and spatial scales in ecological sustainability. Land Use Policy (July): 155-167
- Fujisaka S, Mercado J and Garrity DP (1995) A case of farmer adaption and adoption of contour hedgerows for soil conservation. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa (in press)
- Garrity DP (1993) Sustainable land use systems for the sloping lands of Southeast Asia. ASA Special Publication 56: 41-66. American Society of Agronomy, Madison, WI, USA
- Garrity DP (1995) Tree-crop interactions in slopes. In: Ong CK and Huxley PA (eds) Tree-Crop Interactions, a Physiological Approach. CABI, Wallingford, UK (in press)
- Garrity DP and Mercado AR Jr (1994) Nitrogen fixation capacity in the component species of contour hedgerows: How important? Agroforestry Systems 27: 241-258
- Garrity DP and Van Noordwijk M (1995) Research imperatives in conservation farming and environmental management of sloping lands: An ICRAF perspective. ICRAF, Bogor, Indonesia (manuscript), 5 pp
- Geiger SC, Vandenbelt RJ and Manu A (1992) Variability in growth of Faidherbia albida: The soils connection. Soil Science Society of America Journal 58: 227-231
- Gregersen H, Belcher B and Spears J (1994) Creating policies to contain unproductive

- deforestation. Policy Brief No. 8. EPAT/MUCIA, University of Wisconsin, Madison, W1, USA, 6 pp
- Haggar JP, Tanner EVJ, Beer JW and Kass DCL (1993) Nitrogen dynamics of tropical agroforestry and annual cropping systems. Soil Biology and Biochemistry 25: 1363-1378
- Hariah K, Van Noordwijk M, Santoso B and Syekhfani MS (1992) Biomass production and root distribution in eight trees and their potential for hedgerow intercropping on an Ultisol in Southern Sumatra. Agrivita 15: 54-68
- Harper JL (1961) Approaches to the study of plant competition. In: Milthorpe FL (ed)
 Mechanisms in Biological Competition. Journal of Experimental Biology 15: 1-39
- Hartemink AE, Buresh RJ, Jama B and Janssen BH (1995) Soil nitrate and water dynamics in sesbania fallows, weed fallows and maize. Soil Science Society of America Journal (in press)
- Hauser S (1993) Root distribution of *Dacyladenia* (Acioa) barteri and Senna (Cassia) siamea in alley cropping on Ultisol. 1. Implications for field experimentation. Agroforestry Systems 24: 111-121
- Houghton RA, Boone RD, Fruci JR, Hobbie JE, Melillo JM, Palm CA, Peterson BJ, Shaver GR, Woodwell GM, Moore B, Skole DL and Myers N (1987) The flux of carbon from terrestrial ecosystems to the atmosphere in 1980 due to changes in land use: Geographic distribution of the global flux. Tellus 39B: 122-139
- Huntley BJ (1982) Southern African savannahs. In: Huntley BJ and Walker BH (eds) Ecology of Tropical Savannas, pp 101-119. Springer Verlag, Berlin, Germany
- ICRAF (1993) Annual Report for 1992, pp 47-49. ICRAF, Nairobi, Kenya
- ICRAF (1994) Annual Report for 1993, pp 80-87. ICRAF, Nairobi, Kenya
- ICRAF (1995) Annual Report for 1994. ICRAF, Nairobi, Kenya
- ICRISAT (1990) Soil, Crop and Water Management in the Sudano-Sahelian Zone, ICRISAT, Patancheru, AP, India, 384 pp
- IITA (1988) Annual Report for 1987. IITA, Ibadan, Nigeria
- Izac A-MN (1994) Characterization and impact, a concept paper for ICRAF's Research Programme 1. ICRAF, Nairobi, Kenya, 17 pp
- Izac A-MN and Swift MJ (1994) On agricultural sustainability and its measurement in small-scale farms in sub-Saharan Africa. Ecological Economics 11: 105-125
- Jabbar M, Larbi A and Reynolds L (1994) Profitability of alley farming with and without fallow in southwest Nigeria. Experimental Agriculture 30: 319-327
- Joly H (1992) The genetics of Acacia albida (syn. Faidherbia albida). In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 53-62. ICRISAT, Patancheru, India
- Juo ASR, Caldwell JO and Kang BT (1994) Place of alley cropping in sustainable agriculture in the humid tropics. Transactions 15th World Congress of Soil Science (Acapulco, Mexico) 7a: 98-109
- Kang BT (1993) Alley cropping: Past achievements and future directions. Agroforestry Systems 23: 141-155
- Kang BT (ed) (1995) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa, Canada (in press)
- Kang BT, Grimme H and Lawson TL (1985) Alley-cropping, sequentially cropped maize and cowpea with Leucaena on a sandy soil in southern Nigeria. Plant and Soil 85: 267-277
- Kang BT, Reynolds L and Atta-Krah AN (1990) Alley farming. Advances in Agronomy 43: 315-359
- Kang BT, Wilson GF and Sipkens L (1981) Alley cropping maize and Leucaena leucocephala Lam. in Southern Nigeria. Plant and Soil 63: 165-179
- Kass DLC (1987) Alley cropping of food crops with wood legumes in Costa Rica. In: Beer J, Fassbender JH and Heuveldop J (eds) Advances in Agroforestry Research, pp 197-208. CATIE, Turrialba, Costa Rica
- Kass DL, Araya JS, Sanchez JO, Pinto LS and Ferreira P (1995) Ten years experience with alley farming in Central America. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa, Canada (in press)

- Kemerwa A-M, Peden D and Bamwerinde W.1994) Balancing gender to make agroforestry work: Two-Wings agroforestry groups in Uganda. Agroforestry Today 6(1): 15-17
- Kessler JJ (1992) The influence of karité (Vitellaria paradoxa) and neré (Parkia biglobosa) trees on sorghum production in Burkina Faso. Agroforestry Systems 17: 97-118
- Kessler JJ and Wiersum KF (1993) Ecological sustainability of agroforestry in the tropics. Entwicklung + Ländicher raum 27(5): 8-11
- Kiepe P and Rao MR (1994) Management of agroforestry for the conservation and utilization of land and water resources. Outlook on Agriculture 23(1): 17-25
- Kwesiga F and Chisumpa S (1992) Multipurpose trees of eastern Zambia: An ethnobotanical survey of their use in farming systems. AFRENA Report No 49. ICRAF, Nairobi, Kenya
- Kwesiga F and Coe R (1994) The effect of short rotation Sesbania sesban planted fallows on maize yields. Forest Ecology and Management 64: 199-208
- Ladha JK, Peoples MB, Garrity DP, Capuno VT and Dart PJ (1993. Estimating dinitrogen fixation of hedgerow vegetation using the nitrogen-15 natural abundance method. Soil Science Society of America Journal 57: 732-737
- Lal R (1989) Agroforestry systems and soil surface management of a tropical Alfisol. 2. Water runoff, soil erosion and nutrient loss. 3. Changes in soil chemical properties. Agroforestry Systems 8: 97-132
- Lavelle P and Pashanasi B (1989) Soil macrofauna and land management in Peruvian Amazonia. Pedobiologia 33: 283-291
- Lawry S, Steinbarger D and Jabbar MA (1994) Land tenure and the potential for adoption of alley farming in West Africa. Outlook on Agriculture 23(3): 183-187
- Lawson TL and Kang BT (1990) Yield of maize and cowpea in an alley cropping system in relation to available light. Agricultural and Forest Meteorology 53: 347-357
- Leakey RRB (1991) Toward a strategy for clonal forestry; some guidelines based on experience with tropical trees. In: Jackson JE (ed) Tree Breeding and Improvement, pp 27-42. Royal Forestry Society of England, Wales and Northern Ireland, Tring, UK
- Leakey RRB and Maghembe JA (1995) Domestication of high-value trees for agroforestry: An alternative to slash and burn agriculture. ICRAF Position Paper. ICRAF, Nairobi, Kenya, 12 pp
- Leakey RRB and Newton AC (1994) Domestication of 'Cinderella' species as a start of a woody plant revolution. In: Leakey RRB and Newton AC (eds) Tropical Trees: Potential for Domestication and the Rebuilding of Forest Resources, pp 3-6. HMSO, London, UK
- Leakey RRB, Newton AC and Dick JP (1994) Capture of genetic variation by vegetative propagation: Processes, determining causes. In: Leakey RRB and Newton AC (eds) Tropical Trees: Potential for Domestication and the Rebuilding of Forest Resources, pp 72-83. HMSO, London, UK
- Maghembe JA, Kwesiga F, Ngulube M and Malaya FM (1994) Domestication potential of indigenous fruit trees of the miombo woodlands of southern Africa. In: Leakey RRB and Newton AC (eds) Tropical Trees: Potential for Domestication and the Rebuilding of Forest Resources, pp 220-229. HMSO, London, UK
- Michon G and de Foresta H (1990) Complex agroforestry systems and conservation of biological diversity. 1. Agroforestry in Indonesia, a link between two worlds. Malaysian Nature Journal (Golden Jubilee Issue) 45: 457-473
- Michon G, de Foresta H and Arif Aliadi (1995) Appropriation of forest resources by local communities: An agroforestry strategy in Sumatra. Fourth International Congress of Ethnobiology, Lucknow, India (in press)
- Mora Urpi J, Szott LT, Murillo M and Patiño VM (eds) (1993) IV congreso internacional sobre biolog ía, agronomía, e industrialización del pijuayo. Editorial Universidad de Costa Rica, San José, 492 pp
- Mulongoy K and Van der Meersch MK (1988) Nitrogen contribution by Leucaena leucocephala prunings to maize in an alley cropping system. Biology and Fertility of Soils 6: 282-285
- Muetzelfeldt RI and Sinclair FL (1993) Ecological modelling of agroforestry systems. Agroforestry Abstracts 6(4): 207-247 and Forestry Abstracts 54(12): 1103-1143

- Nair PKR (ed) (1989) Agroforastry Systems in the Tropics. Kluwer, London, 664 pp
- Nyathi P and Campbell BM (1993) The acquisition and use of miombo litter by small-scale farmers in Masvingo, Zimbabwe. Agroforestry Systems 22: 43-48
- Nye PH and Greenland DJ (1960) The soil under shifting cultivation. Commonwealth Agricultural Bureaux Technical Communication 51, Harpenden, UK, 156 pp
- Okafor JC (1975) Varietal delimitation in *Irvingia gabonensis*. Bulletin du Jardin Nationale de Belgique 45: 211-221
- Ong CK (1994) Alley cropping, ecological pie in the sky? Agroforestry Today 6 (3): 8-10
- Ong CK (1995) The 'dark side' of intercropping: Manipulation of soil resources. In: Ecophysiology of Tropical Intercropping. Institut National de la Recherche Agronomique, Paris, France (in press)
- Ong CK and Black CR (1995) Complementarity in resource use in agroforestry systems. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa, Canada (in press)
- Ong CK, Black CR and Marshall FM (1995) Principles of resource capture and utilisation of light and water. In: Huxley PA and Ong CK (eds) Tree-Crop Interactions, a Physiological Approach, Chapter 4. CABI, Wallingford, UK (in press)
- Ong CK, Corlett JE, Singh RP and Black CR (1991b) Above and below ground interactions in agroforestry systems. Forest Ecology and Management 45: 45-47
- Ong CK, Odongo JCW, Marshall F and Black CR (1991a) Water use by trees and crops: Five hypotheses. Agroforestry Today 3: 7-10
- Ong CK, Singh RP, Khan AAH and Osman M (1990) Recent advances in measuring water loss through trees. Agroforestry Today 2 (3): 7-9
- Ordoñez J (1994) Desarrollo de mercados para productos amazónicos no tradicionales. In: Toledo JM (ed) Biodiversidad y desarrollo sostenible de la Amazonía en una economía de mercado, pp 175-183. FUNDEAGRO, Lima, Peru.
- Palm CA (1995) Contribution of agroforestry trees to nutrient requirements of intercropped plants. Agroforestry Systems (this issue)
- Palm CA, Izac A-M and Vosti SA (1995a) Guidelines for characterization of Alternatives to Slash-and-Burn sites. ICRAF, Nairobi, Kenya (in press)
- Palm CA, McKerrow AJ, Glazener KM and Szott LT (1991. Agroforestry systems in the lowland tropics: Is phosphorus important? In: Tiessen H, López-Hernandez D and Salcedo IH (eds) Phosphorus Cycles in Terrestrial and Aquatic Ecosystems, Regional Workshop 3: Central and South America, pp 134-141. Saskatchewan Institute of Pedology, Saskatoon, Canada
- Palm CA, Salazar AA, Szott LT and Fernandes ECM (1995b) Long-term performance of alley cropping on an acid soil of the Amazon basin. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa, Canada (in press)
- Palm CA and Sanchez PA (1990) Decomposition and nutrient release patterns of the leaves of three tropical legumes. Biotropica 22: 330-338
- Palm CA and Sanchez PA (1991) Nitrogen release from the leaves of some tropical legumes as affected by their lignin and polyphenolic contents. Soil Biology and Biochemistry 23:
- Papendick RI, Sanchez PA and Triplett GB (eds) (1976) Multiple cropping. ASA Special Publication 27. American Society of Agronomy, Madison, WI, USA, 378 pp
- Parton WJ, Woomer PL and Martin A (1994) Modelling soil organic matter dynamics and plant productivity in tropical ecosystems. In: Woomer PL and Swift MJ (eds) The Biological Management of Tropical Soil Fertility, pp 171-188. Wiley, Chichester, UK
- Peters CM (1990) Population ecology and management of forest fruit trees in Peruvian Amazonia. In: Anderson AB (ed) Alternatives to Deforestation; Steps toward Sustainable Land Use of the Amazon Rainforest, pp 86-98. Columbia University Press, New York
- Peters CM and Vázquez A (1987) Estadios ecológicos de camu-camu (Myrciaria dubia). 1. Producción de frutas en poblaciones naturales. Acta Amazónica 16/17: 161-173
- Place F (1994) The role of land and tree tenure on the adoption of agroforestry technologies: A summary and synthesis. ICRAF, Nairobi, Kenya (manuscript), 88 pp

- Place F, Mwanza S and Kwesiga F (1994) A cost-benefit analysis of improved fallows in Eastern Province, Zambia. ICRAF, Nairobi, Kenya (manuscript), 14 pp
- Raintree JB (1987) The state of the art on agroforestry diagnosis and design. Agroforestry Systems 5: 219-250
- Rao MR (1995) Agroforestry for sustainable soil management in humid and subhumid tropical Africa. In: Strategies for the Management of Upland Soils of Humid and Subhumid Africa. IBSRAM, Abidjan, Côte d'Ivoire (in press)
- Rao MR and Coe R (1992) Evaluating the results of agroforestry research. Agroforestry Today 4(1): 4-9
- Rao MR, Muraya P and Huxley PA (1993) Observations of some tree root systems in agroforestry intercrop situations and their graphical representations. Experimental Agriculture 29: 183-194
- Rao MR, Ong CK, Pathak P, and Sharma MM (1991) Productivity of annual cropping and agroforestry systems on a shallow Alfisol in semiarid India. Agroforestry Systems 15: 51-63
- Reed JD, Rittner U, Tanner J and Wiegand O (1992) Nutritive value of leaves and fruits of Faidherbia albida and their use for feeding ruminants. In: Vandenbelt RJ (ed) Faidherbia albida in the West African Semi-Arid Tropics, pp 43-52. ICRISAT, Patancheru, India
- Reynolds L (1994) A review of the biophysical and socioeconomic basis of alley farming and its adoption potential. Consultant report to AFNETA. International Agricultural Consultancy, Leicester, UK, 90 pp
- Riesco A and Ara M (1994) Perspectivas de la integración de sistemas agrosilvopastoriles. In: Toledo JM (ed) Biodiversidad y desarrollo sostenible de la Amazonía en una economía de mercado, pp 83-103. FUNDEAGRO, Lima, Peru
- Roose E (1970) Importance relative de l'érosion, du drainage oblique et vertical dans la pedogenèse d'un sol ferralitique de moyenne Côte d'Ivoire. Cahiers ORSTOM Serie Pedologique 8: 469-482
- Salazar A, Szott LT and Palm CA (1993) Crop-tree interaction in alley cropping systems on alluvial soils of the upper Amazon basin. Agroforestry Systems 22: 67-72
- Sanchez PA (1976) Properties and Management of Soils in the Tropics. Wiley, New York, USA, 618 pp
- Sanchez PA (1987) Soil productivity and sustainability in agroforestry systems. In: Steppler HA and Nair PKR (eds) Agroforestry: A Decade of Development, pp 205-226. ICRAF, Nairobi, Kenya
- Sanchez PA (1994a) Tropical soil fertility research, towards the second paradigm. Transactions 15th World Congress of Soil Science (Acapuko, Mexico) 1: 65-88
- Sanchez PA (1994b. Alternatives to slash and burn: A pragmatic approach for mitigating tropical deforestation. In: Anderson JR (ed) Agricultural Technology, Policy Issues for the International Community, pp 451-480. CABI, Wallingford, UK
- Sanchez PA and Benites JR (1987) Low input cropping for acid soils of the humid tropics. Science 238: 1521-1527
- Sanchez PA and Buol SW (1975) Soils of the tropics and the world food crisis. Science 188: 598-603
- Sanchez PA, Palm CA, Davey CB, Szott LT and Russell CE (1985) Trees as soil improvers in the humid tropics? In: Cannell MGR and Jackson JE (eds) Trees as Crop Plants, pp 327-358. Institute of Terrestrial Ecology, Huntingdon, UK
- Sanchez PA, Palm CA, Szott LT, Cuevas E and Lal R (1989) Organic input management in tropical agroecosystems. In: Coleman DC, Oades JM and Uehara G (eds) Dynamics of Soil Organic Matter in Tropical Ecosystems. University of Hawaii Press, Honolulu, HI, USA
- Sanchez PA, Villachica JH and Bandy DE (1983) Soil fertility dynamics after clearing a tropical rainforest in Peru. Soil Science Society of America Journal 47: 1171-1178
- Sanchez PA, Woomer PL and Palm CA (1994) Agroforestry approaches for rehabilitating degraded lands after tropical deforestation. In: Rehabilitation of Degraded Forest Lands in the Tropics-Technical Approach. JIRCAS International Symposium Series 1: 108-119. JIRCAS, Tsukuba, Japan

- Sanginga N and Mulongoy K (in press) Increasing biological nitrogen fixation and the contribution to the nitrogen cycle in alley cropping systems. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop, IDRC, Ottawa, Canada
- Scherr SJ (ed) (1991) Methods for Participatory On-Farm Agroforestry Research. ICRAF, Nairobi, Kenya, 72 pp
- Schlesinger WH, Reynolds JF, Cunningham GL, Huenneke LF, Jarrell WA, Virginia RA and Whitford WG (1990) Biological feedbacks in global desertification. Science 247: 1043-1048
- Schroeder P (1993) Agroforestry systems: Integrated land use to store and conserve carbon. Climate Research 3: 53-60
- Schroeder P (1994) Carbon storage benefits of agroforestry systems. Agroforestry Systems 27: 89-97
- Serrão EAS (1993) Brazil. In: Sustainable Agriculture and the Environment in the Humid Tropics, pp 263-351. National Academy Press, Washington, USA
- Serrão EAS and Toledo JM (1990) The search for sustainability in Amazonian Pastures. In: Anderson AB (ed) Alternatives to Deforestation; Steps toward Sustainable Land Use of the Amazon Rainforest, pp 195-214. Columbia University Press, New York, USA
- Shepherd KD, Ohlsson E, Okalebo JR, Ndufa JK and David S (1995) A model of nutrient cycling in mixed farms in the highlands of western Kenya to show the impact of improved management. International Conference on Livestock and Sustainable Nutrient Cycling in Mixed Farming Systems of Sub-Saharan Africa. ILCA, Addis Ababa, Ethiopia (in press)
- Sibuea TTH (1995) Short notes on the Sumatran rhino (Dicerorhinus sumatrensis) in the agroforest areas (damar garden) in Krui, Lampung. AWB-Indonesia, Bogor, 3 pp
- Simmonds NW (1985) Perspectives on the evolutionary history of tree crops. In: Cannell MGR and Jackson JE (eds) Trees as Crop Plants, pp 3-12. Institute of Terrestrial Ecology, Huntingdon, UK
- Sinclair FL, Verinumbe I and Hall JB (1994) The role of tree domestication in agroforestry. In: Leakey RRB and Newton AC (eds) Tropical Trees: Potential for Domestication and the Rebuilding of Forest Resources, pp 124-136. HMSO, London, UK
- Singh G, Singh NT and Abrol IP (1994) Agroforestry techniques for the rehabilitation of degraded salt-affected lands in India. Land Degradation and Rehabilitation 5: 223-242
- Singh RP, Ong CK and Saharan N (1989) Above and below ground interactions in alley cropping in semiarid India. Agroforestry Systems 9: 259-274
- Sivakumar MVK, Wallace JS, Renard C and Giroux C (eds) (1991) Soil Water Balance in the Sudano-Sahelian Zone. IAHS Publication 199. Institute of Hydrology, Wallingford, UK, 628 pp
- Smaling E (1993) An agroecological framework for integrating nutrient management, with special reference to Kenya. Doctoral thesis. Agricultural University, Wageningen, the Netherlands, 250 pp
- Sombroek WG, Nachtergaele FO and Hebel A (1993) Amounts, dynamics and sequestration of carbon in tropical and subtropical soils. Ambio 22(7): 417-426
- Spek LY and van Noordwijk M (1994) Proximal root diameters as predictors of total root system size for fractal branching models. 2. Numerical model. Plant and Soil 164: 119-127
- Sprent JI, Sutherland JM and de Faria SM (1989) Structure and function of root nodules from woody legumes. In: Stirton CH and Zarucchi JL (eds) Advances in Legume Biology. Missouri Botanical Garden Monographs on Systematic Botany 29: 559-578
- Steppler HA and Nair PKR (eds) (1987) Agroforestry: A Decade of Development. ICRAF, Nairobi, Kenya, 335 pp
- Subler S and Uhl C (1990) Japanese agroforestry in Amazonia: A case study in Tome-Açú, Brazil. In: Anderson AB (ed) Alternatives to Deforestation; Steps toward Sustainable Land Use of the Amazon Rainforest, pp 152-166. Columbia University Press, New York, USA
- Swift MJ, Heal OW and Anderson JM (1979) Decomposition in Terrestrial Ecosystems. University of California Press, Berkeley, CA, USA, 372 pp
- Swinkels R and Franzel S (submitted) Adoption potential of hedgerow intercropping systems

- in the highlands of western Kenya. 2. Economic and social evaluation. ICRAF, Nairobi, Kenya, 19 pp
- Szott LT and Kass DCL (1993) Fertilizers in agroforestry systems. Agroforestry Systems 23: 157-176
- Szott LT, Palm CA and Sanchez PA (1991) Agroforestry in acid soils of the humid tropics. Advances in Agronomy 45: 275-301
- Tangley L (1993) Marketing biodiversity products, the taungya initiative. Lessons from the field 2. Conservation International, Washington, USA
- Tisdall JM and Oades JM (1982. Organic matter and water-stable aggregates in soils. Journal of Soil Science 33: 141-163
- Toledo JM (ed) (1994) Biodiversidad y desarrollo sostenible de le Amazonía en una economía de mercado. FUNDEAGRO, Lima, Peru, 295 pp
- Tomich T, Roemer M and Vincent J (1994) Development from a primary export base. In: Lindauer DL and Roemer M (eds) Asia and Africa: Legacies and Opportunities in Development, pp 151-193. ICS Press, San Francisco, CA, USA
- Torquebiau E and Kwesiga F (submitted) The Role of Roots in an Improved Fallow Agroforestry System in Eastern Zambia. ICRAF, Nairobi, Kenya
- Unruh JD, Houghton RA and Lefebvre PA (1993) Carbon storage in agroforestry: An estimate for sub-Saharan Africa. Climate Research 3: 39-52
- Vandenbelt RJ (ed) (1992) Faidherbia albida in the West African semi-arid tropics. ICRISAT, Patancheru, India, 206 pp
- Vandenbelt RJ and Napompeth B (1992) The leucaena psyllid comes to Africa. Agroforestry Today 4(4): 11-12
- Vandenbelt RJ and Williams JH (1992) The effect of soil surface temperature on the growth of millet in relation to the effect of Faidherbia albida trees. Agricultural and Forest Meteorology 60: 93-100
- Van Noordwijk M (1995) A simple model to quantify mulch and shade effects. In: Huxley PA and Ong CK (eds) Tree-Crop Interactions, a Physiological Approach, Chapter 3. CABI, Wallingford, UK (in press)
- Van Noordwijk M and Dommergues YR (1990) Agroforestry and soil fertility: Root nodulation – the twelfth hypothesis. Agroforestry Today 2(2): 9-10
- Van Noordwijk M, Hairiah K, Sitompul SM and Syekhfani MS (1992) Rotational hedgerow intercropping + Peltophorum pterocarpum = new hope for weed-infested soils. Agroforestry Today 4(4): 4-6
- Van Noordwijk M, Sitompul SM, Hariah K, Listyarini E and Syekhfani M (1995) Nitrogen supply from rotational and spatially zoned inclusion of Leguminosae for sustainable maize production on an acid soil in Indonesia. Proceedings Third International Symposium on Plant-Soil Interactions at low pH. Brisbane, Australia
- Van Noordwijk M, Spek IY and De Willigen P (1994) Proximal root diameters as predictors of total root system size for fractal branching models. 1. Theory. Plant and Soil 164: 107-118
- Villachica H (1994) Investigación y el desarrollo de sistemas sustentables para frutales nativos amazónicos, el caso pijuayo. In: Toledo JM (ed) Biodiversidad y desarrollo sostenible de la Amazonía en una economía de mercado, pp 109-135. FUNDEAGRO, Lima, Peru
- Vosti S (1995) The role of agriculture in saving the rainforest. 2020 Vision Brief 9, IFPRI, Washington, DC, USA, 2 pp
- Vosti SA and Witcover J (1995) Slash and burn agriculture: Household perspectives. Agriculture, Ecosystems and Environment (in press)
- Wendt JW, Jones RB and Itimu OA (1994) The potentials and limitations of agroforestry for improving livestock production and soil fertility in southern Africa. In: Craswell ET and Simpson J (eds) Soil Fertility and Climatic Constraints in Dryland Agriculture. ACIAR Proceedings 54: 19-25. Canberra, Australia
- Willey RW (1979) Intercropping-its importance and research needs. Part 1. Competition and yield advantages. Field Crop Abstracts 32: 1-10

- Wilson JR (1990) Agroforestry and soil fertility: The eleventh hypothesis-shade. Agroforestry Today 2(1): 14-15
- Wong MTF, Akyempaong E, Nortcliff S, Rao MR and Swift RS (1995) Initial response to maize and beans to decreased aluminium activity with organic residues on an Oxisol in Burundi. Plant and Soil (in press)
- Woomer P, Bajah O, Atta-Krah AN and Sanginga N (1995) Analysis and interpretation of alley farming data from Tropical Africa. In: Kang BT (ed) Proceedings Second International Alley Farming Workshop. IDRC, Ottawa, Canada (in press)
- World Bank (1994) Feasibility of Phosphate Rock Use as a Capital Investment in Subsaharan Africa: Issues and Opportunities. Africa Technical Division, World Bank, Washington, DC, USA, 72 pp
- Yamoah CF, Agboola AA and Wilson GF (1986) Decomposition, nitrogen release and weed control by prunings of alley cropping shrubs. Agroforestry Systems 4: 239-246
- Young A (1989a) Agroforestry for Soil Conservation. CABI, Wallingford, UK, 276 pp
- Young A (1989b) Ten hypotheses for soil-agroforestry research. Agroforestry Today 1: 13-16