Dennis Greenland Bibliography

Publications since 1993

Book 1997	The Sustainability of Rice Farming D J. Greenland. CAB International
Brochu	ires
1994	Cherish the Earth (For FAO)
1994 G	Soil Water and Nutrient Management Research-A new agenda. D. Greenland, G. Bowen, H.Eswaran, R.Rhoades and C Valentin. IBSRAM Position Paper No. 1. IBSRAM, Bangkok, Thailand
Edited	Books
1994 (eds)	Soil Resilience and Sustainable Land Use D.Greenland and I Szabolcs CAB International, Wallingford
199	, ,
Review	vs etc
1994	1995 Land use and soil carbon in different agroecological zones. In Long-term cropping experiments in developing countries: the need, the history and the future. In Long-term Experiments in Agricultural and Ecological Sciences (R. A. Leigh and A. E. Johnston, eds.) CAB International, Wallingford, pp. 187-209
1997	Introduction and Conclusions. (with P.H. Nye and P. J. Gregory). In Land Resources: on the Edge of the Malthusian Precipice? D.J.Greenland, P. H. Nye and P. J. Gregory, eds.) CAB International, Wallingford, and The Royal Society, Londonpp. 1-7.
1997	International Agricultural Research and the CGIAR System – Past, Present and Future. Journal of International Development, 9, 459-482

Soil Conditions and Plant Growth. Inaugural Russell Memorial

Lecture. Soil Use and Management, 13, 169-177.

1997

1998 Land resources and constraints to crop production (with P. H. Nye and P. J. Gregory.) In Feeding a World Population of More Than Eight Billion People. (J. Waterlow, D. Armstrong, L. Fowden and R. Riley, eds.) Oxford University Press, New York, pp. 39-55. 1998 Carbon sequestration in soil: knowledge gaps. In Soil processes and the Carbon Cycle. (R. Lal, J. M. Kimble, R. F. Follett and B. A. Stewart, eds.) CRC Press, Boca Raton, Florida, pp.591-594. 1992 Organic matter dynamics in soils of the tropics – from myth to complex reality. (with A. Wild and D. Adams). In Myths and Science of Soils in the Tropics (R. Lal and P.A. Sanchez, eds.) pp.17-33 1995 Land use and soil carbon in different agroecological zones. In Greenhouse Gas Emissions and Carbon Sequestration. (R. Lal, J. Kimble, E. Levine and B. A. Stewart, eds.) Advances in Soil Science, Special Issue, pp. 9-24. 1997 Introduction and Conclusions. (with P.H. Nye and P. J. Gregory). In Land Resources: on the Edge of the Malthusian Precipice? (D. J. Greenland, P. H. Nye and P. J. Gregory, eds.) CAB International, Wallingford, pp. 1-7. 1997 Soil Conditions and Plant Growth. Inaugural Russell Memorial Lecture. Soil Use and Management, 13, 169-177. 1999 Land resources and constraints to crop production (with P. H. Nye and P. J. Gregory.) In Feeding a World Population of More Than Eight Billion People. (J. Waterlow, D. Armstrong, L. Fowden and R. Riley, eds.) Oxford University Press, New York, pp. 39-55. 1999 Carbon sequestration in soil: knowledge gaps. In Soil processes and the Carbon Cycle. (R. Lal, J. M. Kimble, R. F. Follett and B. A. Stewart, eds.) CRC Press, Boca Raton, Florida, pp.591-594. 2000 Land Resources. In Towards Sustainable Consumption: a European Perspective. (B. Heap and J. Kent, eds.) The Royal Society, London, pp.27-34

PUBLICATIONS, 1954 - 1993

BOOKS	
1960	Ref The soil under shifting cultivation. P.H.Nye and 1
	D.J.Greenland. pp.156. CAB, Farnham Royal.
1977	Soil conservation and management in the humid tropics. D.J.Greenland and R.Lal,eds. pp.281. (Spanish edition,1979; Indian reprint,1989.) Wileys, Chichester. Contributed chapters: 1.The magnitude and the importance of the soil erosion problem. 2.Soil structure and erosion hazard. 8.Soil erosion in the humid tropics: the need for action and the need for research.
1978	The chemistry of soil constituents. D.J.Greenland and M.H.B.Hayes, eds. pp.460. Wileys, Chichester. Contributed chapters: 1.Soils and soil chemistry. 4.Surfaces of soil particles.
1979	Soil physical properties and crop production in the tropics. R.Lal and D.J.Greenland, eds. pp.551. Wileys, Chichester. Contributed chapters: 2.Structural organisation of soils and crop production. 9.Towards optimising soil physical characteristics for sustained production from soils in the tropics.
1981	Characterisation of soils in relation to their classification and management for crop production: some examples from the humid tropics. D.J.Greenland,ed. pp.430. Oxford University Press. Contributed chapter: 1.Soils and crop production in the lowland humid tropics.
1981	The chemistry of soil processes. D.J.Greenland and M.H.B.Hayes,eds. pp.714. Wileys, Chichester. Contributed chapters: 1.Soil processes. 6.Adsorption of organic molecules.

- Part 1. Papers concerned with natural and synthetic organic compounds in soils and their effects on soil structure.
- Organo-clay derivatives and the origin of the negative charge on clay particles. D.J.Greenland and E.W.Russell. Trans.Faraday Soc., 51: 1300-1307.
- The adsorption of sugars by montmorillonite. I X-ray 2. studies. D.J.Greenland. J.Soil.Sci.,7: 319-328.
- The adsorption of sugars by montmorillonite. II Chemical studies. J. Soil Sci., 7: 329-334.
- Role of polysaccharides in the stabilisation of natural soil aggregates. D.J.Greenland, G.R.Lindstrom and J.P.Quirk. Nature, London, 191: 1283-1284.
- Adsorption of 1-n-alkyl pyridinium bromides by montmorillonite.D.J.Greenland and J.P.Quirk. Clays and Clay Minerals. 9: 474-489.
- Adsorption of glycine and its di,tri,and tetrapeptides by montmorillonite. D.J.Greenland,R.H.Laby and J.P.Quirk. Trans.Faraday Soc. 58: 829-841.
- Surface areas of soil colloids. D.J.Greenland and J.P.Quirk. Trans.Comm.IV and V Int.Soc.Soil Sci., New Zealand. pp.79-87.
- Organic materials which stabilise natural soil 3. aggregates. D.J.Greenland, G.R.Lindstrom and J.P.Quirk. Soil Sci.Soc.Amer.Proc. 26: 366-371.
- Surface area determinations and the clay mineralogy of a red brown earth. J.R.Burford, D.J.Greenland and J.P.Quirk. Aust.J.Sci. 25: 362-363.
- Adsorption of polyvinyl alcohols by montmorillonite. 4. D.J.Greenland. J.Colloid Sci. 18: 647-664.
- Determination of surface areas by adsorption of cetyl pyridinium bromide from aqueous solution.
 D.J.Greenland and J.P.Quirk. J.Phys.Chem.
 67: 2886-2887.
- Determination of the total specific areas of soils by adsorption of cetyl pyridinium bromide. D.J.Greenland and J.P.Quirk. J.Soil Sci. 15: 178-191.
- Influence of organic materials on the determination of the specific surface areas of soils.

 J.R.Burford, T.L.Deshpande, D.J.Greenland and J.P.Quirk.

 J.Soil Sci. 15: 192-201.
- Separation of partially humified organic materials from soils by ultrasonic dispersion. D.J.Greenland and G.R.Ford. Trans 8th.Int.Congr.Soil.Sci.,Bucharest.3: 137-148.

1904	ions on the swelling of calcium montmorillonite in water. D.J.Greenland, B.K.G.Theng and J.P.Quirk. J.Colloid Sci. 19: 837-840.	
1965	Adsorption of amino acids and peptides by montmorillonite and illite. I Cation exchange and proton transfer. D.J.Greenland, R.H.Laby and J.P.Quirk. Trans.Faraday Soc. 61: 2013-2023.	5.
1965	Adsorption of amino acids and peptides by montmorillonite and illite. II Physical adsorption. D.J.Greenland, R.H.Laby and J.P.Quirk. Trans. Faraday Soc. 61: 2024-2033.	6.
1965	Interaction between clays and organic compounds in soils. I Mechanisms of interaction between clays and defined organic compounds. D.J.Greenland. Soils and Fertilizers. 28:415-425.	7.
1965	Interaction between clays and organic compounds in soils.II Adsorption of soil organic compounds by clays and its effect on soil properties. D.J.Greenland. Soils and Fertilizers. 28: 521-532.	8.
1966	Techniques for the determination of the stability of soil aggregates. B.G.Williams, D.J.Greenland, G.R.Lindstrom, and J.P.Quirk. Soil Sci. 101: 157-163.	
1966	Adsorption of polyvinyl alcohol by natural soil aggregates. B.G.Williams, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 4: 131-143.	
1967	Adsorption of alkylammonium cations by montmorillonite. B.K.G.Theng, D.J.Greenland and J.P.Quirk. Clay Minerals. 7: 1-17.	9.
1967	The swelling in water of complexes of montmorillonite and polyvinyl alcohol. B.K.G.Theng, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 5: 69-75.	
1967	Changes in some physical properties of the surface of an impoverished red brown earth soil under pasture. A.L.Clarke, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 5:59-68.	
1967	Effect of polyvinyl alcohol on the nitrogen surface area and pore structure of soils. B.G.Williams, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 5: 77-83.	
1967	The tensile strength of soil cores containing polyvinyl alcohol. B.G.Williams, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 85-92.	
1968	Studies on soil polysaccharides. I The isolation of polysaccharides from soil. G.D.Swincer, J.M.Oades and D.J.Greenland. Aust.J.Soil Res. 6:211-224.	10.

- Studies on soil polysaccharides.II The composition and properties of polysaccharides in soils under pasture and under a fallow-wheat rotation. G.D.Swincer, J.M.Oades and D.J.Greenland. Aust.J.Soil Res. 6:225-235.
- The effect of alkylammonium compounds on the swelling of montmorillonite in water. B.K.G.Theng, D.J.Greenland and J.P.Quirk. Clay Minerals 7: 271-295.
- The dynamics of partly humified organic matter in some arable soils. G.W.Ford and D.J.Greenland. Trans.9th. Int.Congr.Soil Sci., Adelaide. 2:403-410.
- The water stability of natural clay aggregates containing polyvinyl alcohol. B.G.Williams, D.J.Greenland and J.P.Quirk. Aust.J.Soil Res. 6: 59-66.
- 1969 Separation of the light fraction from soils by ultrasonic dispersion in halogenated hydrocarbons containing a surfactant. G.W.Ford, D.J.Greenland and J.M.Oades. J.Soil Sci. 20:291-296.
- 1969 Use of electron microscopy of carbon replicas and selective dissolution analysis in the study of the surface morphology of clay particles from soils. D.J.Greenland and G.K.Wilkinson. Proc.Int.Clays Conf. Tokyo. 1: 861-870.
- The extraction, characterisation and significance of soil polysaccharides. G.D.Swincer, J.M.Oades and D.J.Greenland. Advances in Agronomy. 21: 195-235.
- 1970 Sorption of organic compounds by clays and soil. D.J.Greenland. In Sorption and transport processes in soils. Soc.Chem.Ind., Monograph 37: 79-91.
- 1970 Adsorption of polyethylene glycols by clay minerals. 11. R.L.Parfitt and D.J.Greenland. Clay Minerals 8: 305-315.
- Adsorption of water by montmorillonite-polyethyleneglycol adsorption products. R.L.Parfitt and D.J.Greenland. Clay Minerals 8: 317-324.
- Selective dissolution and differential infrared spectroscopy for characterisation of "amorphous" constituents in soil clays. Koji Wada and D.J.Greenland. Clay Minerals 8: 231-244.
- 1970 Adsorption of polysaccharides by montmorillonite. 12. R.L.Parfitt and D.J.Greenland. Soil Sci.Soc. Amer. Proc. 34: 862-866.
- /Interactions between humic and fulvic acids and clays. D.J.Greenland. Soil Science. 111: 34-41.
- Dodecyl-ammonium mica complexes.I Factors affecting the exchange reaction. E.E.Mackintosh, D.G.Lewis and D.J.Greenland. Clays and Clay Minerals. 19: 209-218.

- Interactions between organic polymers and inorganic soil particles Adsorption of polyvinyl alcohols by oxides and clays with non-expanding lattices.

 D.J.Greenland. Meded. Landbouwhogeschul, Ghent.
 37: 897-922.
- Mineralogy of soils from the Holocene volcanic area of southern Australia. A.P.Hamblin and D.J.Greenland. Aust.J.Soil Res. 10: 61-79.
- 1972 Dodecyl-ammonium mica complexes.II Characterisation of the reaction products. E.E.Mackintosh, D.G.Lewis and D.J.Greenland. Clays and Clay Minerals. 20: 125-134.
- 1972 Preliminary results of an empirical study of the movement of polymers through soil, and their effect on the dispersion of clay from aggregates. C.E.Carr and D.J.Greenland. Meded.Landbouwhogeschul, Ghent. 37: 982-992.
- The effects of cacium carbonate on the surface area and pore size characteristics of some selected soil clays. C.J.B.Mott,D.L.Rimmer and D.J.Greenland. IUPAC Symposium, Prague. B: 139-148.
- Determination of the charge characteristics of soils and clays using caesium chloride and X-ray fluorescence spectroscopy. D.J.Greenland. Trans 10th.Int.Congr. Soil Sci., Moscow. 2: 274-281.
- Determination of the structural stability class of English and Welsh soils, using a water coherence test. D.J.Greenland, D.L.Rimmer and D.Payne. J.Soil Sci. 26: 294-303.
- 1975 Potential application of polyvinyl alcohol and polyvinyl acetate in the structural improvement of sodic soils. C.E.Carr and D.J.Greenland. In "Soil Conditioners." Amer.Soc.Soil Sci., Wisconsin, pp. 47-63.
- Soil conditioners. C.E.Carr and D.J.Greenland. Reps.Progress Appl.Chem. 59:269-290.
- 1975 Saccharides. D.J.Greenland and J.M.Oades. In "Soil Components." Springer Verlag, New York. 1: 213-261.
- The effects of calcium carbonate on the swelling behaviour of a soil clay. D.L.Rimmer and D.J.Greenland. J.Soil Sci. 27: 129-139.
- 1977 Effect of organic constituents and complexed metal ions on aggregate stability of some East Anglian soils. A.P.Hamblin and D.J.Greenland. J.Soil Sci. 28: 410-416.
- Soil damage by intensive arable cultivation temporary or permanent? D.J.Greenland. Phil.Trans.Roy.Soc.(London). B281: 193-208.

- 1978 Effect of soil conditioners and initial water potential of a Vertisol on infiltration and heat of wetting. R.Lal and D.J.Greenland. In "Modification of soil structure." (W.W.Emerson, R.D.Bond and A.R.Dexter, eds.) Wileys, Chichester. pp.191-198.
 - 1979 Pore size distribution in critical point and freeze dried aggregates from clay subsoils.G.Lawrence, D.Payne and D.J.Greenland. J.Soil Sci. 30: 499-516.
 - 1980 Quantitative determination of the interlamellar volume in an interstratified mica-smectite soil clay.
 A.A.Jones and D.J.Greenland. Clay Minerals. 15: 175-191.
 - 1981 Soil management and soil degradation. D.J.Greenland. 14. J.Soil Sci. 32: 301-322.
 - 1982 Chemistry and the soil environment-surfaces and sorption processes. D.J.Greenland. In: Frontiers of Chemistry. IUPAC and Pergamon Press, Oxford. pp.99-110.
 - Soil aggregates:formation and stability. W.W.Emerson 15. and D.J.Greenland. In "Soil colloids and their interaction in soil aggregates." (M.De Boodt, M.H.B.Hayes and A.J.Herbillon, eds.) Plenum Publishing Corporation, New York. pp. 485-511.

Part 2. Papers concerned with the characterisation and management of soils in the tropics.

- Land and population in West Nile District, Uganda.
 J.F.Middleton and D.J.Greenland. Geog.J. 120:446-457.
- Is aerobic denitrification important in tropical soils? D.J.Greenland. Trans 6th.Int.Congr.Soil Sci., Paris. 8: 765-769.
- Nitrate fluctuations in tropical soils. D.J.Greenland. J.Agric.Sci. 50: 82-92.
- 1958 West Nile District-some soil and vegetation types. D.J.Greenland and R.J.Chancellor. Uganda J. 22: 62-73.
- 1959 A lysimeter for nitrogen balance studies in tropical soils. J.West African Sci.Assoc. 5: 79-89.
- Increases in the carbon and nitrogen content of tropical soils under natural fallows. D.J.Greenland and P.H.Nye. J.Soil Sci. 10: 284-299.
- Does straw induce nitrogen deficiency in tropical soils? D.J.Greenland and P.H.Nye.Trans.7th.Int.Congr. Soil Sci., Madison. 2: 478-485.

- Nutrient content of the moist tropical forest of Ghana. D.J.Greenland and J.M.L.Kowal. Plant and Soil. 12: 154-174.
- Denitrification in some tropical soils. D.J.Greenland. J.Agric.Sci. 58: 227-233.
- Role of iron oxides in the bonding of soil particles. T.L.Deshpande, D.J.Greenland and J.P.Quirk. Nature, London. 201: 107-108.
- 1964 Changes in the soil after clearing and burning tropical forest. P.H.Nye and D.J.Greenland. Plant and Soil. 21: 101-112.
- Influence of iron and aluminium oxides on the charges of soil and clay materials. T.L.Deshpande, D.J.Greenland and J.P.Quirk. Trans.8th.Int.Congr.Soil Sci., Bucharest. 3: 1213-1225.
- Measurements of losses of fertilizer nitrogen during incubation in acid sandy soils and during subsequent growth of rye grass, using 15N labelled fertilizers.

 J.K.R.Gasser, D.J.G. reenland and R.A.G. Rawson. J. Soil Sci. 18: 289-300.
- 1967 Changes in charge characteristics of soils after treatment with 0.5M calcium chloride at pH 1.5. C.K.Tweneboah, D.J.Greenland and J.M.Oades. Aust. J.Soil Res. 5: 247-261.
- 1968 Changes in soil properties associated with the removal of iron and aluminium oxides. T.L.Deshpande, D.J.Greenland and J.P.Quirk. J.Soil Sci. 19: 108-122.
- 1968 Electron microscope observations of iron oxides in some red soils. D.J.Greenland, J.M.Oades and T.W.Sherwin. J.Soil Sci. 19: 123-126.
- 1968 Iron hydroxides and clay surfaces. D.J.Greenland and J.M.Oades. Trans.9th.Int.Congr.Soil Sci.,Adelaide. 1: 603-613.
- Influence of active aluminium oxides on water movement in soils. C.K.Tweneboah, J.W.Kijne and D.J.Greenland. Aust.J.Soil Res. 7: 325-331.
- Imogolite in a volcanic ash soil from Papua.
 D.J.Greenland, K.Wada and A.P.Hamblin. Aust.J.Sci.
 32: 56-58.
- Denitrification under an annual pasture. J.R.Burford and D.J.Greenland. Trans.10th.Int.Grasslands Congr.,

 / Brisbane. 1: 458-461.
- Measurement of nitrogen and nitrous oxide evolution from soil-plant systems using sealed growth chambers. R.C.Stefanson and D.J.Greenland. Soil Science. 109: 203-210.

- 1971 Changes in the nitrogen status and physical condition of soils under pasture. D.J.Greenland. Soils and Fertilizers. 34: 237-251.
- 1971 Clay mineralogy of some seasonally flooded soils from East Pakistan. A.K.M.Habibullah, D.J.Greenland and H.Brammer. J.Soil Sci. 22: 179-190.
- 1973 Soil factors determining responses to phosphorus and nitrogen fertilizers in tropical Africa. D.J.Greenland. Sols Africains. 17: 99-108.
- The influence of iron and aluminium oxides on the adsorption of phosphate by some seasonally flooded soils from East Pakistan. A.K.M.Habibullah,D.G.Lewis and D.J.Greenland. In "Pseudogley and Gley" (E.Schlichting and U.Schwertmann,eds.) Springer Chemie, Weinheim. pp.81-91.
- Intensification of agricultural systems, with special reference to the role of potassium. D.J.Greenland. Proc.10th.Congr.Int.Potash Inst., Budapest. pp.311-323.
- 1974 Evolution and development of different types of shifting cultivation. D.J.Greenland. FAO Soils Bulletin. 24: 5-13.
- 1974 Effect of organic matter on the charge and phosphate adsorption characteristics of Kikuyu red clay loam in Kenya. A.Moshi, A.Wild and D.J.Greenland. Geoderma, 11: 275-285.
- 1975 Charge characteristics of some kaolinite-iron 18. hydroxide complexes. D.J.Greenland. Clay Minerals. 10: 407-416.
- 1976 Intercropping systems in tropical Africa. B.N.Okigbo and D.J.Greenland. In "Multiple Cropping." American Society of Agronomy, Madison. pp.63-101.
- 1977 Contributions of microorganisms to the nitrogen status of tropical soils. D.J.Greenland. In "Biological Nitrogen Fixation in Farming Systems of the Tropics." (A.Ayanaba and P.J.Dart, eds.) Wileys, Chichester. pp.13-26.
- 1978 Cropping systems for efficient fertilizer use. FAO Soils Bulletin. 37: 77-87.
- Major production systems related to soil properties in humid tropical Africa. F.R.Moormann and D.J.Greenland. In "Soil Related Constraints to Food Production in the Tropics." IRRI, Los Banos, Philippines. pp.56-77.
- Recent progress in studies of soil structure, and its relation to properties and management of paddy soils. D.J.Greenland. In "Symposium on Paddy Soils." Academia Sinica, Nanjing and Springer Verlag, Berlin. pp. 42-58.

- The nitrogen cycle in West Africa agronomic considerations. D.J.Greenland. In "Nitrogen Cycling in West African Ecosystems." (T.R.Rosswall,ed.)
 Royal Swedish Academy, Stockholm. pp.73-81.
- The continuing nitrogen enigma. D.J.Greenland and I.Watanabe. Trans.12th.Int.Congr. Soil Sci.,Delhi. 5: 123-137.
- 1983 Crop production under shifting cultivation and the maintenance of soil fertility. D.J.Greenland and B.N.Okigbo. In "Potential productivity of field crops under different environments." IRRI, Los Banos, Philippines. pp.505-524.
- 1985 Constraints to rice production and wetland soil characteristics. D.J.Greenland and S.K.De Datta. In "Wetland soils:characterization, classification and utilization." IRRI, Los Banos, Pholippines. pp. 23-36.
- Nitrogen and food production in the tropics contributions from fertilizers and biological nitrogen
 fixation. D.J.Greenland. In "Nitrogen Management in
 Farming Systems." (B.T.Kang and J.van der Heide, eds.)
 Institute for Soil Fertility , Haren, The Netherlands
 and IITA, Ibadan, Nigeria. pp. 9-37.
- Approaches in defining the needs for potassium, with special reference to wetland rice. D.J.Greenland. In "Potassium in the Agricultural Systems of the Humid Tropics." 19th.Colloquium, Int.Potash Inst., Berne, Switzerland. pp.243-256.
- Physical aspects of soil management for rice based cropping systems. D.J.Greenland. In "Soil Physics and Rice." IRRI, Los Banos, Philippines. pp.1-16.
- 1986 Effects of organic matter on the properties of some red soils. D.J.Greenland. In "Proceedings, International Symposium on Red Soils." (Academia Sinica, eds.) Science Press, Beijing, China and Elsevier, Amsterdam, Netherlands.

20.

- Managing wet Vertisols in rice based cropping systems. S.K.De Datta, M.E.Raymundo and D.J.Greenland. In "Vertisols:their Distribution, Properties, Classification and Management." (L.P.Wilding and R.Puentes, eds.) Texas A.and M.University Publishing Co., College Park, Texas. pp.117-128.
- Organic matter dynamics in soils of the tropics from myth to complex reality. D.J.Greenland, A.Wild
 and D.Adams. In "Myths and Science of soils in the
 Tropics." (R.Lal and P.A.Sanchez, eds.) American Soc.
 Agronomy, Madison, Wisconsin. pp. 17-33.

Part 3. Miscellaneous papers.

- 1975 Bringing the green revolution to the shifting cultivator. D.J.Greenland. Science. 190:841-844.
- 1976 Effects of heavy dressings of slurry and inorganic fertilizers applied to grassland on the composition of drainage waters and the soil atmosphere.

 J.R.Burford, D.J. Greenland and B. Pain. In "Agriculture and Water Quality." MAFF Bulletin No. 32. pp.432-443.
- Maize production in the lowland tropics. K.J.Treharne and D.J.Greenland. In "Food Crops of the Lowland Tropics." (C.Leakey and J.B.Wills,eds.) Oxford University Press,Oxford.
- 1977 Increasing food production from the lowland humid tropics. D.J.Greenland. Ann. New York Acad. Sci. 300: 112-120.
- 1978 Responsibilities of soil science. D.J.Greenland.
 Trans.11th.Int.Congr.Soil Science, Plenary Papers,
 2: 341-358.
 (Address to Final Plenary Session of the Congress.)
- 1978 Critique of "Relationships among microbial populations and rates of nitrification and denitrification in a Hanford soil." A.M.Galsworthy, J.R.Burford and D.J.Greenland. In "Nitrogen in the Soil Environment." (D.Nielson, ed.) Academic Press, New York. Vol.2:pp.379-392.
- The physics and chemistry of the soil-root interface: some comments. D.J.Greenland. In "The Soil-Root Interface." (J.Harley and R.Scott-Russell, eds.)
 Academic Press, London. pp.83-98.
- Long-term trends in the aerial and edaphic environment.
 J.Elston, D.J. Greenland and M. Dennett. In
 "Opportunities for Increasing Crop Yields." (R.G. Hurd,
 P.V. Biscoe and C. Dennis, eds.) Pitmans, London.
- Organic recycling in agriculture:some research needs. D.J.Greenland. FAO Soils Bulletin. 43: 230-234.
- 1984 Rice. D.J.Greenland. Biologist. 31: 219-225.
- Remote sensing and rice research. R.A.Morris,

 D.J.Greenland and R.E.Huke. In "Applications of Remote Sensing for Rice Research." (A.Deepak and K.R.Rao,eds.)

 A.Deepak Publishing, Virginia. pp. 33-54.
- Upland rice. D.J.Greenland. Outlook on Agriculture. 14: 26-32.

- 1986 Irrigation demand in humid areas. D.J.Greenland and D.H.Murray-Rust. Phil.Trans.Roy.Soc.London. A316: 275-295.
- 1987 International networks and their importance in soil management research. D.J.Greenland, E.T.Craswell and M.Dagg. Outlook on Agriculture. 16: 42-50.
- 1990 Agricultural research and third world poverty.
 D.J.Greenland. In "Developing World Agriculture."
 (A.Speedy,ed.) Grosvenor Press International,
 London. pp.1-13.
- Better crop protection information. D.J.Greenland. Tropical Pest Management. 36: 220-222.
 - The contributions of soil science to society:past, present and future. D.J.Greenland. Soil Science (75th. Anniversary Issue.) 151: 19-23.