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PAPERS

Aerts, R., Maes, W., November, E., Behailu, M., Poesen, J., Deckers, J., Hermy, M. and Muys, B. (2005). Surface runoff and seed trapping efficiency of shrubs in a regenerating semiarid woodland in northern Ethiopia. *Catena* 65, 61-70.

Al Karkouri, J., Laouina, A., Roose, E. et Sabir, M. (2001). Capacité d'infiltration et risques d'érosion des sols dans la vallée des Béni Bouffrah, Rif Central, Maroc. *Bull. Réseau Erosion* 20, 342-356.

Amore, E., Modica, C., Nearing, M.A. and Santoro, V.C. (2004). Scale effect in USLE and WEPP application for soil erosion computation from three Sicilian basins. *Journal of Hydrology* 293, 100-114.

Ampoorter, E., Goris, R., Cornelis, W.M. and Verheyen, K. (2007). Impact of mechanized logging on compaction of sandy forest soils. *Forest Ecology and Management* 241, 192-174.

Andreu, V., Ferrer, E., Rubio, J.L., Font, G. and Picó, Y. (2007). Quantitative determination of octylphenol, nonylphenol, alkylphenol ethoxylates and alcohol ethoxylates by pressurized liquid extraction and liquid chromatography-mass spectrometry in soils treated with sewage sludges. *Science of the Total Environment* 378, 124-129.

Anthopoulou, B., Panagopoulos, A. and Karyotis, T. (2006). Impact of land degradation on the landscape in Northern Greece. *Landslides* 3(4), 289-294.

Arabi, M. et Roose, E. (2004). Influences du système de production et des sols sur l'érosion en nappe, le ruissellement, le stock du sol et les pertes en C. par érosion en montagne méditerranéenne (Médéa). *Bull. Réseau Erosion* 22, 166-175.

Arabi, M., Kedaid, O., Bourougaa, L., Asla, T. et Roose, E. (2004). Bilan de l'enquête sur la défense et restauration des sols (DRS) en Algérie. *Sécheresse* 15(1), 87-95.

Auzet, A.V., Poesen, J. and Valentin, C. (2001). Soil patterns as a key controlling factor of soil erosion by water. *Catena* 46(2-3), 85-87.

Auzet, V., Poesen, J. and Valentin, C. (2004). Soil surface characteristics: dynamics and impact on soil erosion. *Earth Surface Processes and Landforms* 29(9), 1063-1169.

Awokola, O.S., Coker, A.O., Fullen, M.A. and Booth, C.A. (2009). Use of limited hydrological data and mathematical parameters for catchment regionalization: A case study of the Osun drainage basin, Nigeria. *Aquaterra (Journal of African Water Resources and Environment)* 3(1), 13-22.

Bakos, K., Barczy, A., Vona, M., Evelpidou, N. and Centeri, C. (2008). Potential effects of land use change around the Inner Lake in Tihany, Hungary – examination of geology, pedology and plant cover/land use interrelations. *Cereal Research Communications (Supplement)* 36, 143-146.

Bakšienė, E., Fullen, M.A. and Booth, C.A. (2006). Agricultural soil properties and crop production on Lithuanian sandy and loamy Cambisols after the application of calcareous saptopel fertilizer. *Archives in Agronomy and Soil Science* 52(2), 201-206.

Barczy, A., Ángyán, J., Podmaniczky, L., Pirkó, B., Joó, K., Centeri, Cs., Grónás, V., Vona, M. and Pető, Á. (2008). Suggested landscape and agri-environmental condition assessment. *Tájökológiai Lapok (Hungarian Journal of Landscape Ecology)* 6(1), 77-94. (ISSN: 1589-4673) (In Hungarian with English abstract).

Barthès, B. et Roose, E. (2001). La stabilité de l'agrégation, un indicateur de la sensibilité des sols au ruissellement et à l'érosion: validation à plusieurs échelles. *Cahiers Agricultures* 10, 185-193.

Barthès, B. and Roose, E. (2002). Aggregate stability as an indicator of soil susceptibility to runoff and erosion: validation at several levels. *Catena* 47, 133-149.

Barton, A.P., Fullen, M.A., Mitchell, D.J., Hocking, T.J., Liu Liguang, Wu Bo Zhi, Zheng Yi and Xia Zheng Yuan (2004). Effects of soil conservation measures on erosion rates and crop productivity on subtropical Ultisols in Yunnan Province, China. *Agriculture, Ecosystems & Environment* 104, 343-357.

Bazzoffi, P., Calzolari, C., Costantini, E.A.C., Pellegrini, S., Torri D., Borselli, L., Del Sette, M., Sanchis, P.S., Ungano, F., Yanez, M.S., Busoni, E. and Monaci, F. (2004). Field trip guide to Val d'Orcia, 27 March 2003, p. 585-610 In: R. Francaviglia (Ed.) *Agricultural Impacts on Soil erosion and Soil Biodiversity: Developing Indicators for Policy Analysis*. Proceedings from an OECD Experts Meeting. Istituto Sperimentale per la Nutrizione delle Piante (ISNP), Rome, Italy.

Bazzoffi, P. (2008). Soil erosion tolerance and water runoff control: minimum environmental standards. In: R. Simoncini, R. De Groot, and T.P. Correia (Eds), *An Integrated Approach to Assess Options for Multi-functional Use of Rural Areas*. Special Issue of *Regional Environmental Change*. Springer.
DOI: 10.1007/s10113-008-0046-8 and available at:

<http://www.springerlink.com/content/w4xj1m4515213164/>

Belényesi, M., Centeri, Cs. and Grónás, V. (2002). A térinformatika alkalmazásának lehetőségei a fenntartható földhasználat tervezésben (Potential use of GIS in sustainable land use planning). *Acta Agraria Kaposvariensis* 6(3), 185-194. (In Hungarian with English abstract).

Bep Aziem, B., Boli, B.Z. et Roose, E. (2004). Influence du labour, du fumier et de l'âge de la défriche sur le stock de C. du sol et les pertes de C. par érosion et drainage dans une rotation intensive coton - maïs sur un sol ferrugineux sableux du Nord Cameroun (Mbissiri). *Bull Réseau Erosion* 22, 176-192.

Beuselinck, L., Hairsine, P.B., Govers, G. and Poesen, J. (2002). Evaluating a single-class net deposition equation in overland flow conditions. *Water Resources Research* 38(7), 15-10.

Bhattacharyya, R., Davies, K., Fullen, M.A. and Booth, C.A. (2008). Effects of palm-mat geotextiles on the conservation of loamy sand soils in East Shropshire, UK. *Advances in GeoEcology* 39, 527-538.

Bhattacharyya, R., Fullen, M.A. and Booth, C.A. (2009). Utilizing palm-leaf geotextile mats to conserve loamy sand soil in the United Kingdom. *Agriculture, Ecosystems and Environment* 130(1-2), 50-58.

Bhattacharyya, R., Fullen, M.A., Davis, K. and Booth, C.A. (2010). Use of palm-mat geotextiles for rainsplash erosion control. *Geomorphology* 119, 52-61.

Bhattacharyya, R., Smets, T., Fullen, M.A., Poesen, J. and Booth, C.A. (2010). Effectiveness of geotextiles in reducing runoff and soil loss. *Catena* 81, 184-195.

Blanchart, E., Albrecht, A., Brown, G., Decaens, T., Duboissetm A., Lavelle P., Mariani, L. and Roose, E. (2004). Effect of tropical endogeic earthworms on soil erosion. *Agriculture, Ecosystems & Environment* 104, 303-315.

Blanchart, E., Roose, E. et Khamsouk, B. (2004). Pertes en C. par érosion et drainage et variation des stocks en C. en deux ans sous différentes pratiques de culture bananière (Martinique). *Bull Réseau Erosion* 22, 95-107.

Blanchart, E., Roose, E. and Khamsouk, B. (2005). Soil carbon dynamics and losses by erosion and leaching in banana cropping systems with different practices (Nitosols, Martinique, West Indies). In: E. Roose, R. Lal, C. Feller, B. Barthès and B. Stewart (Eds) *Soil Erosion and Carbon Dynamics. Advances in Soil Sciences*, CRC Publisher, Boca Raton, USA.

Blavet, D., De Noni, G., Roose, E., Maillo, L., Laurent, J.Y. et Asseline, J. (2004). Effets des techniques culturales sur les risques de ruissellement et d'érosion en nappe sous vigne en Ardèche (France). *Bull. Réseau Erosion* 23, 489-504.

Blocken, B., Carmeliet, J. and Poesen, J. (2005). Numerical simulation of the wind-driven rainfall distribution over small-scale topography in space and time. *Journal of Hydrology* 315, 252-273.

Boardman, J. (2000). Soil erosion, p. 984-986 In: P.L. Hancock and B.J Skinner (Eds) The Oxford Companion to The Earth. Oxford University Press, Oxford.

Boardman, J. (2000). The problem of muddy floods. *Rural Property Bulletin* November/December 2000, 26-27.

Boardman, J. and Lorentz, S. (2000). The GCTE Soil Erosion Network and model evaluation studies. *South African Geographical Journal* 82(3), 154-156.

Boardman, J. (2001). Classics of physical geography revisited: Trimble, S.W. (1983). A sediment budget for Coon Creek basin in the Driftless area, Wisconsin, 1853-1977. *Progress in Physical Geography* 25(2), 263-268.

Boardman, J. (2001). Flooding and the use of land. *Town and Country Planning* 70(4), 113.

Boardman, J. (2001). Storms, floods and soil erosion on the South Downs, East Sussex, autumn and winter 2000-01. *Geography* 84(4), 346-355.

Boardman, J. and Favis-Mortlock, D.T. (2001). How will future climate change and land-use change affect rates of erosion on agricultural land? p. 498-501 In: Proceedings of the 'International Symposium on Soil Erosion Research for the 21st Century.' American Association of Agricultural Engineers, 3-5 January 2001, Honolulu, Hawaii.

Boardman, J. (2002). Erosion assessment, p. 399-401 In: R. Lal (Ed.) Encyclopaedia of Soil Science. Marcel Dekker Inc., New York.

Boardman, J. (2002). The need for soil conservation in Britain – revisited. *Area* 34(3), 419-427.

Boardman, J. (2003). Soil erosion and flooding on the South Downs, southern England 1976-2001. *Transactions of the Institute of British Geographers* 28(2), 176-196.

Boardman, J., Poesen, J. and Evans, R. (2003). Socio-economic factors in soil erosion and conservation. *Environmental Science and Policy* 6, 1-6.

Boardman, J., Evans, R. and Ford, J. (2003). Muddy floods on the South Downs, southern England: problem and response. *Environmental Science and Policy* 6(1), 69-83.

Boardman, J., Parsons, A.J., Holmes, P.J., Holland, R. and Washington, R. (2003). Development of badlands and gullies in the Sneeuwberg, Great Karoo, South Africa. *Catena* 50(2-4), 165-184.

Boardman, J., Holmes, P.J., Rhodes, E.J. and Bateman, M.D. (2005). Colluvial fan gravels, depositional environments and luminescence dating: a Karoo case study. *South African Geographical Journal* 87(1), 73-79.

Boardman, J. and Evans, R. (2006). Britain, p. 439-453 Chapter 1.33 In: J. Boardman and J. Poesen (Eds), *Soil Erosion in Europe*. John Wiley, Chichester.

Bochet, E., Poesen, J. and Rubio, J.L. (2000). Mound development as an interaction of individual plants with soil, water erosion and sedimentation processes on slopes. *Earth Surface Processes and Landforms* 25, 847-867.

Bochet, E., Poesen, J. and Rubio, J.L. (2002). Influence of plant morphology on splash erosion in a Mediterranean matorral. *Zeitschrift für Geomorphologie N.F.* 46(2), 223-243.

Boli, Z. et Roose, E. (2004). Effet du labour classique e”t du semis direct sous litière sur le fonctionnement de deux sols ferrugineux tropicaux sableux à Mbissiri, Nord Cameroun. *Bull. Réseau Erosion* 23, 431-437.

Booth, C.A., Davies, K. and Fullen, M.A. (2005). Environmental and socio-economic contributions of palm-leaf geotextiles to sustainable development and soil conservation, p. 649-658 In: E. Tiezzi, C.A. Brebbia, S.E. Jorgensen and D. Almorza Gomar (Eds), *Ecosystems and Sustainable Development V*. Wessex Institute of Technology Press, Southampton.

Booth, C.A., Fullen, M.A., Walden, J., Smith, J.P., Hallett, M.D., Harris, J. and Holland, K. (2005). Magnetic properties of agricultural topsoils of the Isle of Man: their characterization and classification by factor analysis. *Communications in Soil Science and Plant Analysis* 36, 1241-1262.

Booth, C.A., Fullen, M.A., Jankauskas, B., Jankauskiene, G. and Slepetiene, A. (2005). The role of soil organic matter content in soil conservation and carbon sequestration studies: case studies from Lithuania and the U.K., p. 463-473 In: A.G. Kungolos, C.A. Brebbia and E. Beriatos (Eds), Sustainable Development and Planning II. Volume 1. Wessex Institute of Technology Press, Southampton.

Booth, C.A., Fullen, M.A., Walden, J., Smith, J.P., Hallett, M.D., Harris, J. and Holland, K. (2006). Factor analysis of particle size specific mineral magnetic measurements on agricultural topsoils from the Isle of Man. *Communications in Soil Science and Plant Analysis* 37, 1-25.

Booth, C.A., Shilton, V., Fullen, M.A., Walden, J., Worsley, A.T. and Power, A.L. (2006). Environmental magnetism: measuring, monitoring and modelling urban street dust pollution, p. 333-342 In: J.W.S. Longhurst and C.A. Brebbia (Eds) Air Pollution XIV. Wessex Institute of Technology (WIT) Press, Southampton.

Booth, C.A., Fullen, M.A., Sarsby, R., Davies, K., Kurgan, R., Bhattacharyya, R., Poesen, J., Smets, T., Kertész, Á., Toth, A., Szalai, Z., Jakab, G., Kozma, K., Jankauskas, B., Trimirka, V., Jankauskiene, G., Bühmann, C., Paterson, G., Mulibana, E., Nell, J.P., van der Merwe, G.M.E., Guerra, A.J.T., Mendonça, J.K.S., Guerra, T.T., Sathler, R., Zheng Yi, Li Yongmei, Panomtarachichigul, M., Peukrai, S., Dao Chau Thu, Tran Huu Cuong, Truong Thi Toan, Jonsyn-Ellis, F., Jallow, S., Cole, A., Mulholland, B., Dearlove, M. and Corkill, C. (2007). The BORASSUS Project: aims, objectives and preliminary insights into the environmental and socio-economic contribution of biogeotextiles to sustainable development and soil conservation, p. 601-610 In: A. Kungolos, C.A. Brebbia and E. Beriatos (Eds) Sustainable Development and Planning III. Wessex Institute of Technology Press, Southampton.

Booth, C.A., Winspear, C.M., Fullen, M.A., Worsley, A.T., Power, A.L. and Holden, V.J. (2007). A pilot investigation into the potential of mineral magnetic measurements as a proxy for urban roadside particulate pollution, p. 391-400 In: C.A. Borrego and C.A. Brebbia (Eds) Air Pollution XV. Wessex Institute of Technology Press, Southampton.

Booth, C.A., Fullen, M.A., Walden, J., Worsley, A.T., Marcinkonis, S. and Coker, A.O. (2008). Problems and potential of mineral magnetic measurements as a soil particle size proxy. *Journal of Environmental Engineering and Landscape Management* 16(3), 151-158.

Borselli, L., Torri, D., Poesen, J. and Sanchis, P.S. (2001). Effects of water quality on infiltration, runoff and interrill erosion processes during simulated rainfall. *Earth Surface Processes and Landforms* 26, 329-342.

S-W. Breckle, A. Yair and M. Veste (Eds) (2008). *Arid Dune Ecosystems. The Nizzana Sands in the Negev Desert*. Ecological Studies 200, Springer, Berlin. (ISBN: 978-3-540-75497-8).

Brenna, S., Costantini, E.A.C., L'Abate, E.G., Pastori, M. and Riparbelli, C. (2005). Soil moisture and temperature regimes in Lombardy (northern Italy). *Advances in GeoEcology* 36, 223-232.

Brusselmanns, E., Nuyttens, D., Baetens, K., Gabriels, D., Cornelis, W., Van Driessen, K. and Steurbaut, W. (2005). Windtunnel test with different tracers and collection techniques for the measurement of spray drift. *Annual Review of Agricultural Engineering* 4, 303-311.

Bulygin, S., Nearing, M., Achasov, A. and Kotova, K. (2000). Methodological determination of soil erosion resistance parameters. *News of Agrarian Science* 1, 56-61. (In Ukrainian).

Bulygin, S.Y., Achasov, A.B. and Nearing, M. (2001). Using remotely sensed data to determine soil erosion stability. *Agrochemistry and Soil Science* 61, 139-145. (In Russian).

Bulygin, S.Y., Nearing, M.A. and Achasov, A.B. (2002). Parameters of interrill erodibility in the WEPP model. *Eurasian Soil Science* 35(11), 1237-1242.

Bulygina, N.S., Nearing, M.A., Stone, J.J. and Nichols, M.H. (2007). DWEPP: A dynamic soil erosion model based on WEPP source terms. *Earth Surface Processes and Landforms* 32, 998-1012.

Buytaert, W., Deckers, J., Dercon, G., De Bievre, B., Poesen, J. and Govers, G. (2002). Impact of land use changes on the hydrological properties of volcanic ash soils in south Ecuador. *Soil Use and Management* 18(2), 94-100.

Campo, J., Andreu, V., Gimeno-García, E., Gonzalez, O. and Rubio, J.L. (2006). The occurrence of soil erosion after repeated experimental fires in a Mediterranean environment. *Geomorphology* 82(3-4), 376-387.

Cantón, Y., Domingo, F., Solé-Benet, A. and Puigdefábregas, J. (2001). Hydrological and erosion response of a badlands system in semiarid SE Spain. *Journal of Hydrology* 252(1-4), 65-84.

Cantón, Y., Solé-Benet, A., Queralt, I. and Pini, R. (2001). Weathering of a gypsum-calcareous mudstone under semi-arid environment at Tabernas, SE Spain: laboratory and field-based experimental approaches. *Catena* 44(2), 111-132.

Cantón, Y., Boer, M., Sanjuan, M., Solé-Benet, A. and Moussa, M. (2002). Land use change and topographic control in a semi-arid region in southern Tunisia, p. 376-378 In: A. Faz, R. Ortiz and A.R. Mermut (Eds) *Sustainable Use and Management of Soils in Arid and Semiarid regions*, Vol II. Polytechnic University of Cartagena, Cartagena, Spain.

Cantón, Y., Domingo, F., Solé-Benet, A. and Puigdefábregas, J. (2002). Influence of soil surface types on the overall runoff of the Tabernas badlands (SE Spain). Field data and model approaches. *Hydrological Processes* 16, 2621-2643.

Cantón, Y., Solé-Benet, A. and Lázaro, R. (2003). Soil-geomorphology relations in gypsiferous materials of semiarid Almería (SE Spain). *Geoderma* 115, 193-222.

Cantón, Y., Del Barrio, G., Solé-Benet, A. and Lázaro, L. (2004). Topographic controls on the spatial distribution of ground cover in a semiarid badlands area. *Catena* 55, 341-365.

Cantón, Y., Solé-Benet, A. and Domingo, F. (2004). Temporal and spatial patterns of soil moisture in semiarid badlands of SE Spain. *Journal of Hydrology* 285, 199-214.

Cassiolato, M., Roose, E., Cerri, C., Piccolo, M. et Neil, C. (2004). Pertes de C. par ruissellement et drainage dans la forêt amazonienne et deux prairies en restauration au Brésil (Nova Vida). *Bull Réseau Erosion* 22, 262.

Castillo, V., Arnoldussen, A., Bautista, S., Bazzoffi, P., Crescimanno, G., Imeson, A., Jarman, R., Robert, M. and Rubio, J.L. (2004). Desertification, p. 275-295 In: L. Van-Camp, B. Bujarrabal, A.R. Gentile, R. Jones, L. Montanarella, C. Olazabal and S-K. Selvaradjo (Eds), *Reports of the Technical Working Groups established under 'The Thematic Strategy For Soil Protection'*, Volume II. Erosion. Task Group 6 on Desertification. Office for Official Publications of the European Communities, Luxembourg.

Castrignanò, A., Costantini, E.A.C., Barbetti, R. and Sollitto, D. (2009). Accounting for extensive topographic and pedologic secondary information to improve soil mapping. *Catena* 77, 28-38.

Centeri, Cs. (2002). Importance of local soil erodibility measurements in soil loss prediction. *Acta Agronomica Hungarica* 50(1), 43-51.

Centeri, Cs. (2002). The role of vegetation cover in soil erosion on the Tihany Peninsula. *Acta Botanica Hungarica* 44(3-4), 285-295.

Centeri, Cs., Barczi, A., Pataki, R., Gentischer, P., Joó, K. and Grónás, V. (2002). Sustainability and protection of heterogeneous Hungarian soils, p. 311-317 In: Proceedings of the Third International Congress 'Man and Soil at the Third Millenium.' Geoforma Ediciones, Logroño.

Centeri, Cs., Belényesi, M. and Néráth, M. (2002). Encouraging environmentally sound agricultural practices in Hungary, p. 217-218 In: Á Faz, R. Ortiz and A.R. Mermut (Eds) Proceedings of the Conference on Sustainable Use and Management of Soils in Arid and Semiarid Regions, Vol. II.

Centeri, Cs. and Császár, A. (2003). A talajpusztulás hatása a tájalakulásra a Tihanyi-félszigeten. Tájökológiai Lapok (Hungarian Journal of Landscape Ecology) 1(1), 81-85. (ISSN: 1589-4673) (In Hungarian with English abstract).

Centeri, Cs. and Császár, A. (2005). A felszínborítás, a lejtőszakasz és a foszfor kapcsolata. Tájökológiai Lapok (Hungarian Journal of Landscape Ecology) 3(1), 119-131. (ISSN: 1589-4673) (in Hungarian with English abstract).

Centeri, Cs., Malatinszky, Á., Vona, M., Bodnár, Á. and Penksza, K. (2007). State and sustainability of grasslands and their soils established in the Atlantic-Montane zone of Hungary. Cereal Research Communications 35 (2 Part I), 309-313. (DOI: 10.1556/CRC.35.2007.2.36).

Centeri, Cs. and Pataki, R. (2002). Soil erodibility measurements on the Mediterranean slopes of the Tihany Peninsula, p. 261-262 In: Á Faz, R. Ortiz and A.R. Mermut (Eds) Proceedings of the Conference on Sustainable use and Management of Soils in Arid and Semiarid Regions, Vol. II.

Centeri, Cs. and Pataki, R. (2003). A talajerodálhatósági értékek meghatározásának fontossága a talajvesztés tolerancia értékek tükrében (Importance of determining Hungarian soil erodibility values in connection with soil loss tolerance values). Tájökológiai Lapok (Hungarian Journal of Landscape Ecology) 1(2), 181-192. (ISSN: 1589-4673) (In Hungarian with English abstract).

Centeri, Cs. and Pataki, R. (2005). Soil erodibility measurements on the slopes of the Tihany Peninsula, Hungary, In A. Faz Cano, R. Ortiz Silla and A.R. Mermut (Eds), Advances in GeoEcology 36, 149-154. (ISBN: 3-923381-49-2).

Centeri, Cs. and Vona, M. (2006). Soil loss calculation and sediment analyses in Galgaheviz, Hungary. European Geologist 22, 36-39.

Cerri, C., Demattê, J., Ballester, M., Martinelli, L., Victoria, R. and Roose E. (2001). GIS erosion risk assessment of the Piracicaba river basin, SE Brazil. Mapping Science & Remote Sensing 38(3), 157-171.

Charoulis, A., Karyotis, T. and Mitsios, J. (2005). Incubation experiments on net nitrogen mineralization in organic Greek soils. *Communications in Soil Science and Plant Analysis* 36(1-3), 231-240.

Contreras, S. and Solé-Benet, A. (2003). Hidrofobicidad en suelos mediterráneos semiáridos: implicaciones hidrológicas para una pequeña cuenca experimental en el SE ibérico. *Cuaternario y Geomorfología* 17, 29-45.

Cornelis, W., Gabriels, D., De Gryse, S. and Hartmann, R. (2000). L'efficacité de brise-vents végétatifs dans la lutte contre l'érosion. Expérimentations à l'échelle réduite. *Sécheresse* 11, 52-57.

Cornelis, W.M., Ronsyn, J., Van Meirvenne, M. and Hartmann, R. (2001). Evaluation of pedotransfer functions for predicting the soil moisture retention curve. *Soil Science Society of America Journal* 65, 638-648.

Cornelis, W.M. and Gabriels, D. (2003). The effect of surface moisture on the entrainment of dune sand by wind: an evaluation of selected models. *Sedimentology* 50, 771-790.

Cornelis, W.M. and Gabriels, D. (2003). A simple low-cost sand catcher for wind-tunnel simulations. *Earth Surface Processes and Landforms* 28, 1033-1041.

Cornelis, W.M. and Gabriels, D. (2004). A simple model for the prediction of the deflation threshold shear velocity of loose particles. *Sedimentology* 51, 1-13.

Cornelis, W.M., Oltenfreiter, G., Gabriels, D. and Hartmann, R. (2004). Splash-saltation of sand due to wind-driven rain: vertical deposition flux and sediment transport rate. *Soil Science Society of America Journal* 68, 32-40.

Cornelis, W.M., Oltenfreiter, G., Gabriels, D. and Hartmann, R. (2004). Splash-saltation of sand due to wind-driven rain: Horizontal flux and sediment transport rate. *Soil Science Society of America Journal* 68, 41-46.

Cornelis, W.M., Gabriels, D. and Hartmann, R. (2004). A parameterisation for the threshold shear velocity to initiate deflation of dry and wet sediment. *Geomorphology* 59, 43-51.

Cornelis, W.M., Gabriels, D. and Hartmann, R. (2004). A conceptual model to predict the deflation threshold shear velocity as affected by near-surface water content: 1. Theory. *Soil Science Society of America Journal* 68, 1154-1161.

Cornelis, W.M., Gabriels, D. and Hartmann, R. (2004). A conceptual model to predict the deflation threshold shear velocity as affected by near-surface water content: 2. Calibration and verification. *Soil Science Society of America Journal* 68, 1162-1168.

Cornelis, W.M., Wu, H., Schiettecatte, W., Jin, K., Hartmann, R. Gabriels, D. and Cai, D. (2004). Conservation tillage practices on a dryland winter wheat field in northern China: a soil-water balance study using a Trime[®] tube probe. *Acta Agrophysica* 4, 25-36.

Cornelis, W.M. and Gabriels, D. (2005). 25 Years of Assessment of Erosion – Preface. *Catena* 64, 139-141.

Cornelis, W.M. and Gabriels, D. (2005). Optimal windbreak design for wind-erosion control. *Journal of Arid Environments* 61, 315-332.

Cornelis, W.M., Khlosi, M., Hartmann, R., Van Meirvenne, M. and De Vos, B. (2005). Comparison of unimodal analytical expressions for the soil-water retention curve. *Soil Science Society of America Journal* 69, 1902-1911.

Cornelis, W.M., Corluy, J., Medina, H., Hartmann, R., Van Meirvenne, M. and Ruiz, M.E. (2006). A simplified parametric model to describe the magnitude and geometry of soil shrinkage. *European Journal of Soil Science* 57, 258-268.

Costantini, E.A.C. and Sulli, L. (2000). Land evaluation in areas with high environmental sensitivity and qualitative value for crops: the viticultural and olive-growing zoning of Siena Province. *Bollettino Società Italiana della Scienza del Suolo* 49(1-2), 219-234.

Costantini, E.A.C., Castelli, F. and L'Abate, G. (2005). Use of the EPIC Model in estimating soil moisture and temperature regimes to assess the desertification risk of Italy. *Advances in GeoEcology* 36, 251-263.

Costantini, E.A.C., L'Abate, G. and Urbano, F. (2005). Soil Regions of Italy. CRA-ISSDS Consiglio per la Ricerca e la Sperimentazione in Agricoltura, Istituto Sperimentale per lo Studio e la Difesa del Suolo, Firenze (Florence), 8 pp. [online]:

www.soilmaps.it

Costantini, E.A.C., Barbetti, R. and L'Abate, G. (2007). Soils of Italy: status, problems and solutions, p. 165-186 In: P. Zdruli and G. Trisorio Liuzzi (Eds) Status of Mediterranean Soil Resources: Actions Needed to Support their Sustainable Use. Mediterranean Conference Proceedings, Tunis, Tunisia, IAM Bari (Italy).

Costantini, E.A.C, Urbano, F., Bonati, G., Nino, P. and Fais, A. (Eds) (2007). National Atlas of the Areas at Risk of Desertification (in Italian, with extended English summary) INEA, Rome, 108 pp.

Costantini, E.A.C., Bucelli, P., Barbetti, R., L'Abate, G., Pellegrini, S. and Storchi P. (2007). Land evaluation for viticulture planning and setting agricultural policies in the Province of Siena. Proceedings of the XV GESCO International Symposium, Porec, Croatia, 20-23 July 2007, Vol. 1, 136-145.

Costantini, E.A.C. and Barbetti, R. (2008). Environmental and visual impact analysis of viticulture and olive tree cultivation in the Province of Siena (Italy). *European Journal of Agronomy* 28, 412-426.

Costantini, E.A.C., Urbano, F., Aramini, G., Barbetti, R., Bellino, F., Bocci, M., Bonati, G., Fais, A., L'Abate, G., Loj, G., Magini, S., Napoli, R., Nino, P., Paolanti, M., Perciabosco, M. and Tascone, F. (2009). Rationale and methods for compiling an atlas of desertification in Italy. *Land Degradation and Development* 20, 261-276.

Costantini, E.A.C., Pellegrini, S., Bucelli, P., Storchi, P., Vignozzi, N., Barbetti, R. and Campagnolo, S. (2009). Influence of hydrogeology on viticulture and oenology of Sangiovese vine in the Chianti area (Central Italy). *Hydrology and Earth System Sciences* 6, 1197-1231.

Crosby, C.J., Booth, C.A., Worsley, A.T., Fullen, M.A., Searle, D.E., Khatib, J.M. and Winspear, C.M. (2009). Application of mineral magnetic concentration measurements as a particle-size proxy for urban road deposited sediments. p. 153-162 *In*: C.A. Brebbia and V. Popov (Eds) *Air Pollution XVII*. Wessex Institute of Technology Press, Southampton. 153-162.

Davies, K., Fullen, M.A. and Booth, C.A. (2006). A pilot project on the potential contribution of palm-mat geotextiles to soil conservation. *Earth Surface Processes and Landforms* 31, 561-569.

C. Dazzi and E.A.C. Costantini (Editors) (2009) The Soil of Tomorrow: Soils Changing in a Changing World. *Advances in GeoEcology* 39, 744 pp. (ISBN: 978-3-923381-56-2).

de Baets, S., Poesen, J., Gyssels, G. and Knapen, A. (2006). Effects of grass roots on the erodibility of topsoils during concentrated flow. *Geomorphology* 76, 54-67.

de Baets, S., Poesen, J., Galindo-Morales, P. and Knapen, A. (2007). Impact of root architecture on the erosion-reducing potential of roots during concentrated flow. *Earth Surface Processes and Landforms* 32, 1323-1345.

de Baets, S., Poesen, J., Knapen, A., González Barberá, G. and Navarro, J.A. (2007). Root characteristics of representative Mediterranean plant species and their erosion-reducing potential during concentrated runoff. *Plant and Soil* 294, 169-183.

Demény, K. and Centeri, Cs. (2008). Habitat loss, soil and vegetation degradation by land use change in the Gödöllő Hillside, Hungary. *Cereal Research Communications (Supplement)* 36, 1739-1742.

de Paz, J.M. and Rubio, J.L. (2002). Using a Geographical Information System to evaluate desertification processes at regional scale under Mediterranean conditions, p. 2067-2082. In: J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds), Man and Soil at the Third Millennium Volume 2, Proceedings of the 3rd International Congress of the European Society for Soil Conservation, Geoforma Ediciones, Logroño.

de Paz, J.M., Visconti, F., Zapata, R. and Sánchez, J., (2004). Integration of two simple models in a geographical information system to evaluate salinization risk in irrigated land of the Valencian Community, Spain. *Soil Use and Management* 20(3), 333-342.

de Paz, J.M., Sánchez, J. and Visconti, F., (2006). Combined use of GIS and environmental indicators for assessment of chemical, physical and biological soil degradation in a Spanish Mediterranean region. *Journal of Environmental Management* 79(2), 150-162.

Dercon, G., Deckers, J., Govers, G., Poesen, J., Sanchez, H., Vanegast, R., Ramirez, M. and Loaiza, G. (2003). Spatial variability in soil properties on slow-forming terraces in the Andes region of Ecuador. *Soil & Tillage Research* 72, 31-41.

de Santisteban, L.M., Casali, J., López, J.J., Giráldez, J.V., Poesen, J. and Nachtergaele, J. (2005). Exploring the role of topography in small catchment erosion. *Earth Surface Processes and Landforms* 30, 591-599.

Descheemaeker, K., Muys, B., Nyssen, J., Poesen, J., Raes, D., Mitiku Haile and Deckers, J. (2006). Litter production and organic matter accumulation in exclosures of the Tigray highlands, Ethiopia. *Forest Ecology and Management* 233, 21-35.

Descheemaeker, K., Nyssen, J., Rossi, J., Poesen, J., Mitiku Haile, Raes, D., Muys, B., Moeyersons, J. and Deckers, J. (2006). Sediment deposition and pedogenesis in exclosures in the Tigray Highlands, Ethiopia. *Geoderma* 132, 291-314.

Descheemaeker, K., Nyssen, J., Poesen, J., Raes, D., Mitiku Haile, Muys, B. and Deckers, J. (2006). Runoff processes on slopes with restored vegetation: a case study from the semi-arid Tigray highlands, Ethiopia. *Journal of Hydrology* 331, 219-241.

Descheemaeker, K., Nyssen, J., Poesen, J., Mitiku Haile, Muys, B., Raes, D., Moeyersons, J., and Deckers, J. (2006). Soil and water conservation through forest restoration in exclosures of the Tigray highlands. *Journal of the Drylands* 1(2), 118-134.

de Vente, J. and Poesen, J. (2005). Predicting soil erosion and sediment yield at the basin scale: Scale issues and semi-quantitative models. *Earth Science Reviews* 71, 95-125.

de Vente, J., Poesen, J. and Verstraeten, G. (2005). The application of semi-quantitative methods and reservoir sedimentation rates for the prediction of basin sediment yield in Spain. *Journal of Hydrology* 305, 63-86.

D'haene, K., Vermang, J., Cornelis, W.M., Schiettecatte, W., Leroy, B., De Neve, S., Gabriels, D. and Hofman, G. (2008). The effect of reduced tillage on physical properties of silt loam soils. *Soil & Tillage Research* 99, 279-290.

Diallo, D., Orange, D., Roose, E. et Morel, A. (2001). Production de sédiments sur le bassin de Djitiko, Mali Sud. *Bull. Réseau Erosion* 20, 54-66.

Diallo, D., Orange, D. et Roose, E. (2004). Influences des pratiques culturales et des sols sur les stocks et pertes de C. par érosion en zone soudanienne du Mali Sud. *Bull. Réseau Erosion* 22, 193-207.

Diallo, D., Barthès, B., Orange, D. et Roose, E. (2004). Stabilité des agrégats et des mottes comparée aux risques de ruissellement et d'érosion en nappe mesurés sur parcelles en zone soudanienne du Mali. *Sécheresse* 15(1), 57-64.

Dierickx, W., Gabriels, D. and Cornelis, W.M. (2001). A wind-tunnel study on wind-speed reduction of synthetic screens. *Geotextiles and Geomembranes* 19, 59-73.

Dierickx, W., Gabriels, D. and Cornelis, W.M. (2001). Wind tunnel study on wind speed reduction through successive synthetic windscreens. *Journal of Agricultural Engineering Research* 79, 117-123. (now *Biosystems Engineering*).

Dierickx, W., Gabriels, D. and Cornelis, W.M. (2002). Wind tunnel study on oblique windscreens. *Biosystems Engineering* 82, 87-95.

Dierickx, W., Cornelis, W.M. and Gabriels, D. (2003). Wind tunnel study on rough and smooth surface turbulent approach flow and on inclined windscreens. *Biosystems Engineering* 86, 151-166.

Enne, G. and Yeroyanni, M. (2007) (Eds). *Role of the Information Circulation Systems in Scientific and Practical approaches to Combat Desertification. Proceedings of the International Seminar (Windhoek and Ondangwa, Namibia, 2-6 April 2006)*, Sassari, p. 277.

Enne, G., Lubino, M. and Bellavite, D. (2007). A participatory demonstration project to fight desertification in Morocco and Tunisia. *Memorie di Scienze Fisiche e Naturali Vol. XXXI*, p. 1-14. *Accademia Nazionale delle Scienze detta dei XL*, Rome.

Erpul, G., Gabriels, D. and Janssens, D. (2000). The effect of wind on size and energy of small simulated raindrops: a wind tunnel study. *International Agrophysics* 14, 291-296.

Erpul, G., Norton, L.D. and Gabriels, D. (2002). Raindrop-induced and wind-driven soil particle transport. *Catena* 47, 227-243.

Erpul, G., Norton, L.D. and Gabriels, D. (2003). Sediment transport from interrill areas under wind-driven rain. *Journal of Hydrology* 276, 184-197.

Erpul, G., Norton, L.D. and Gabriels, D. (2003). The effect of wind on raindrop impact and rainsplash detachment. *Transactions of the American Society of Agricultural Engineers* 45, 51-62.

Erpul, G., Norton, L.D. and Gabriels, D. (2004). Splash-saltation trajectories of soil particles under wind-driven rain. *Geomorphology* 59, 31-42.

Erpul, G., Gabriels, D. and Norton, L.D. (2004). Wind effects on sediment transport by raindrop-impacted shallow flow: A wind-tunnel study. *Earth Surface Processes and Landforms* 29, 955-967.

Erpul, G., Gabriels, D. and Norton, L.D. (2005). Sand detachment by wind-driven raindrops. *Earth Surface Processes and Landforms* 30, 241-250.

Erpul, G., Cornelis, W.M., Gabriels, D., Samray, H.N. and Guzelordu, T. (2008). Sand detachment under the rains with varying angle of incidence. *Catena* 72, 413-422.

Evans, R. (2002). Rural land use in England and Wales and the delivery to the adjacent seas of nitrogen, phosphorus and atrazine. *Soil Use and Management* 18, 346-352.

Evans, R. (2002). An alternative way to assess water erosion of cultivated land - field-based measurements: and analysis of some results. *Applied Geography* 22, 187-208.

Evans, R. (2002). Soil deterioration and loss of topsoil, p. 587-594 In: T. Munn (Ed.), Encyclopaedia of Global Environmental Change Vol. 3, Causes and Consequences of Global Environmental Change. John Wiley, Chichester.

Evans, R. and Boardman, J. (2003). The curtailment of muddy floods in the Sompting catchment, South Downs, West Sussex, southern England. *Soil Use and Management* 19, 223-231.

Evans, R. (2004). Outdoor pigs and flooding: an English case study. *Soil Use and Management* 20, 178-181.

Evans, R. (2005). Reducing soil erosion and the loss of soil fertility for environmentally-sustainable agricultural cropping and livestock production systems. *Annals of Applied Biology* 146, 137-146.

Evans, R. (2005). Curtailing grazing-induced erosion in a small catchment and its environs, the Peak District, Central England. *Applied Geography* 25, 81-95.

Evans, R. (2005). Monitoring water erosion in lowland England and Wales - A personal view of its history and outcomes. *Catena* 64, 142-161.

Evans, R. and Brazier, R. (2005). Evaluation of modelled spatially distributed predictions of soil erosion by water versus field-based assessments. *Environmental Science and Policy* 8, 493-501.

Evans, R. (2006). Curtailing water erosion of cultivated land: an example from north Norfolk, eastern England. *Earth Surface Processes and Landforms* 31(5), 598-605.

Evans, R. (2006). Land use, sediment delivery and sediment yield in England and Wales, p. 70-84. In: P.N. Owens and A.J. Collins (Eds) Soil Erosion and Sediment Redistribution. CAB International, Wallingford.

Evans, R. (2006). Erosion of uncultivated land, p. 623-641 Chapter 2.11 In: J. Boardman and J. Poesen (Eds) Soil Erosion in Europe. John Wiley, Chichester.

Evans, R. (2006). Sustainable practices to limit soil erosion: a review and discussion. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 1, No 030:

<http://www.cabastractsplus.org/cabreviews>

Faucette, L.B., Risse, L.M., Nearing, M.A., Gaskin, J.W. and West, L.T. (2004). Runoff, erosion, and nutrient losses from compost and mulch blankets under simulated rainfall. *Journal of Soil and Water Conservation* 59(4), 154-160.

Favis-Mortlock, D.T. and Boardman, J. (2000). Soil Erosion, In: Down to Earth: Soil Degradation and Sustainable Development in Europe. European Environment Agency (EEA)-United Nations Environment Programme (UNEP), Environmental Issue Series no. 16. Office of Official Publications of the European Communities, Luxembourg, 32 pp.

http://themes.eea.eu.int/Specific_media/soil/reports

Favis-Mortlock, D.T., Boardman, J., Parsons, A.J. and Lascelles, B. (2000). Emergence and erosion: a model for rill initiation and development. *Hydrological Processes* 14(11-12), 2173-2205.

Favis-Mortlock, D.T. and Guerra, A.J.T. (2000). The influence of global greenhouse-gas emissions on future rates of soil erosion: a case study from Brazil using WEPP-CO₂, p. 3-31 In: J. Schmidt (Ed.), Soil Erosion: Application of Physically Based Models. Springer-Verlag, Berlin, 3-31.

Favis-Mortlock, D.T., Boardman, J. and MacMillan, V.J. (2001). The limits of erosion modeling: why we should proceed with care, p. 477-516 In: R.S. Harmon and W.W. Doe III, (Eds), Landscape Erosion and Evolution Modeling. Kluwer Academic/Plenum Publishing, New York.

Favis-Mortlock, D.T. (2002). Erosion by Water, p. 452-456 In: R. Lal (Ed.), Encyclopaedia of Soil Science. Marcel Dekker, New York.

Favis-Mortlock, D.T. (2002). The Soil Erosion Site.
<http://soilerosion.net>

Favis-Mortlock, D.T. and De Boer, D. (2003). Simple at heart? Landscape as a self-organizing complex system, p. 127-171 In: S.T. Trudgill and A. Roy (Eds), Contemporary Meanings in Physical Geography. Arnold, London.

Favis-Mortlock, D.T. (2004). Self-organization and cellular automata models, p. 349-369 In: J. Wainwright and M. Mulligan (Eds), Environmental Modelling: Finding Simplicity in Complexity. J. Wiley, Chichester.

Fiener, P. and Auerswald, K. (2003). Concept and effects of a multi-purpose grassed waterway. *Soil Use and Management* 19, 65-72.

Fiener, P. and Auerswald, K. (2003). Effectiveness of grassed waterways in reducing runoff and sediment delivery from agricultural watersheds. *Journal of Environmental Quality* 32, 927-936.

Fiener, P. and Auerswald, K. (2005). Measurement and modelling of concentrated runoff in a grassed waterway. *Journal of Hydrology* 301, 198-215.

Fiener, P., Auerswald, K. and Weigand, S. (2005). Managing erosion and water quality in agricultural watersheds by small detention ponds. *Agriculture, Ecosystems and Environment* 110, 132-142.

Fiener, P. and Auerswald, K. (2006). Influence of scale and land use pattern on the efficacy of grassed waterways to control runoff. *Ecological Engineering* 27, 208-218.

Fiener, P. and Auerswald, K. (2006). Seasonal variation of grassed waterway effectiveness in reducing runoff and sediment delivery from agricultural watersheds in temperate Europe. *Soil & Tillage Research* 87, 48-58.

Flanagan, D.C. and Nearing, M.A. (2000). WEPP deposition routines. Transactions of the American Society of Agricultural Engineers 43(3), 573-583.

Flanagan, D.C., Ascough, J.C. II, Nearing, M.A. and Laflen, J.M. (2001). The Water Erosion Prediction Project (WEPP) Model, p.145-199 In: R.S. Harmon and W.W. Doe III (Eds) Landscape Erosion and Evolution Modeling. Kluwer Academic/Plenum Publishers, New York. (ISBN: 0-306-46718-6).

Flanagan, D.C., Nearing, M.A. and Norton, L.D. (2002). Soil erosion by water prediction technology developments in the United States, p. 13-29 In: W. Summer and D.E. Walling (Eds) Modelling Erosion, Sediment Transport and Sediment Yield. International Hydrological Progress, Technical Documents in Hydrology No. 60. UNESCO, Paris.

Folly, A., Quinton, J.N. and Poesen, J.A. (2000). Sensitivity Analysis of EUROSEM using Monte Carlo simulation II: the effects of rills and rock fragments. Hydrological Processes 14, 927-939.

Foster, I.D.L., Fullen, M.A., Brandsma, R.T. and Chapman, A.S. (2000). Drip-screen rainfall simulators for hydro- and pedo-geomorphological research: the Coventry experience. Earth Surface Processes and Landforms 25, 691-707.

Foster, I.D.L., Boardman, J., Keay-Bright, J. and Meadows, M.E. (2005). Land degradation and sediment dynamics in the South African Karoo, p. 207-213 In: D.E Walling and A. Horowitz (Eds) Sediment Budgets. Proceedings of the International Association of Hydrological Sciences (IAHS), Foz do Iguacu (Brazil), IAHS Publication 295.

Frot, E., van Wesemael, B., Vandenschrick, G., Souchez, R. and Solé-Benet, A. (2002). Characterising rainfall regimes in relation to recharge of the Sierra de Gador-Campo de Dalías aquifer system. *Belgeo* 2002(2), 145-158.

Fu, B.J., Zhao, W.W., Chen, L.D., Zhang, Q.J., Lu, Y.H., Gulinck, H. and Poesen, J. (2005). Assessment of soil erosion at large watershed scale using RUSLE and GIS: a case study in the Loess Plateau of China. *Land Degradation and Development* 16, 73-85.

Fullen, M.A. (2000). Evolving perspectives, policies and recommendations on soil erosion in the U.K., p. 225-251 In: E.L. Napier, S.M. Napier and J. Tvrdon (Eds) Soil and Water Conservation Policies and Programs, Successes and Failures. Soil and Water Conservation Society, CRC Press, Boca Raton (Florida).

Fullen, M.A., Mitchell, D.J., Barton, A.P., Hocking, T.J., Liu Liguang, Wu Bo Zhi, Zheng Yi and Xia Zheng Yuan (2000). Soil erosion and conservation in Yunnan Province, South-west China, p. 279-292 In: T. Cannon (Ed.) *China's Economic Growth. The Impact on Regions, Migration and the Environment*. Macmillan Press, London.

Fullen, M.A. (2001). Multidisciplinary approaches to soil conservation in the highlands of South China and Thailand, p. 139-145 In: K. Helming (Ed.) *Multidisciplinary Approaches to Soil Conservation Strategies*, ZALF (Zentrum für Agrarlandschafts- und Landnutzungsforschung e.V.), Müncheburg, 191 pp.

Fullen, M.A. (2002). Improving crop productivity and agro-environmental sustainability on fragile slopes in the highlands of South China and Thailand, p. 319-330 In: J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds) *Man and Soil at the Third Millennium* Vol. 1, Proceedings of the 3rd International Congress of the European Society for Soil Conservation, Geofoma Ediciones, Logroño, 1115 pp.

Fullen, M.A. (2003). Soil erosion and conservation in Northern Europe. *Progress in Physical Geography* 27(3), 331-358.

Fullen, M.A. (2004). The development of sustainable cropping systems on red soils in the highlands of South China, p. 261-274 In: M.J. Wilson, Zhenli He and Xiaoe Yang (Eds) *The Red Soils of China: Their Nature, Management and Utilization*. Springer Publishers, Dordrecht, The Netherlands.

M.A. Fullen and J.A. Catt (2004). *Soil Management: Problems and Solutions*. Arnold Publishers, London, 269 pp. (ISBN: 0-340-80711-3).

Fullen, M.A. and Catt, J.A. (2004). Soil conservation (p. 971-974), Soil erosion (p. 977-981), In: A. Goudie (Ed.) *Encyclopaedia of Geomorphology*. Routledge, London.

Fullen, M.A. and Booth, C.A. (2006). Grass ley set-aside and soil organic matter dynamics on sandy soils in Shropshire, U.K. *Earth Surface Processes and Landforms* 31, 570-578.

Fullen, M.A., Booth, C.A. and Brandsma, R.T. (2006). Long-term effects of grass ley set-aside on erosion rates and soil organic matter on sandy soils in east Shropshire, UK. *Soil & Tillage Research* 89, 122-128.

Fullen, M.A., Harris, J. and Hallett, M. (2006). Soils of the Isle of Man, p. 340-350, In: R. Chiverrell and G. Thomas (Eds) *The New History of the Isle of Man. The Evolution of the Natural Landscape*. Volume 1. Liverpool University Press, Liverpool.

Fullen, M.A. and Booth, C.A. (2006). Longterm grass ley set aside on sandy soils: A case study. *Journal of Soil and Water Conservation* 61(4), 236-241.

Fullen, M.A., Arnalds, A., Bazoffi, P., Booth, C.A., Castillo, V., Kertész, Á., Martin, P., Ritsema, C., Benet, A., Souchere, V., Vanderkerchove, L. and Verstraeten, G. (2006). Government and agency response to soil erosion risk in Europe, p. 805-826 Chapter 2.23 In: J. Boardman and J. Poesen (Eds) Soil Erosion in Europe. John Wiley, Chichester.

Fullen, M.A., Booth, C.A., Sarsby, R.W., Davies, K., Kurgan, R., Bhattacharyya, R., Subedi, M., Luckhurst, D.A., Poesen, J., Smets, T., Kertész, Á., Toth, A., Szalai, Z., Jakab, G., Kozma, K., Jankauskas, B., Jankauskiene, G., Bühmann, C., Paterson, G., Mulibana, E., Nell, J.P., van der Merwe, G.M.E., Guerra, A.J.T., Mendonça, J.K.S., Guerra, T.T., Sathler, R., Bezerra, J.F.R., Peres, S.M., Zheng Yi, Li Yongmei, Tang Li, Panomtarachichigul, M., Peukrai, S., Dao Chau Thu, Tran Huu Cuong, Truong Thi Toan, Jonsyn-Ellis, F., Jallow, S., Cole, A., Mulholland, B., Dearlove, M. and Corkill, C. (2007). The contribution of biogeotextiles to sustainable development and soil conservation in developing countries: The BORASSUS Project, p. 123-141 In: E. Tiezzi, J.C. Marques, C.A. Brebbia and S.E. Jørgensen (Eds) Sustainable Development VI. Wessex Institute of Technology Press, Southampton.

Fullen, M.A., Jankauskas, B., Jankauskiene, G., Booth, C.A. and Slepetiene, A. (2007). Inter-relationships between soil texture and soil organic matter in eroded Eutric Albeluvisols in Lithuania. *Lithuanian Journal of Science (Agricultural Sciences)* 2007 (3), 9-18.

Gabriels, D., Ghekiere, G., Schiettecatte, W. and Rottiers, I. (2003). Assessment of USLE cover-management C-factors for 40 crop rotation systems on arable farms in the Kemmelbeek watershed, Belgium. *Soil & Tillage Research* 74, 47-53.

Gabriels, D., Schiettecatte, W., Ouessar, M., Mannaerts, C., Cornelis W.M, Wu, H., Verbist, K. and Cai, D. (2005). Soil hydrology for ecohydrology in drylands: examples from Tunisia, China and Cape Verde Islands. A review. *Ecohydrology & Hydrobiology* 6, 93-103.

Gallart, F., Solé, A., Lázaro, R. and Puigdefábregas, J. (2002). Badland systems in the Mediterranean, p. 299-326 In: L.J. Bull and M.J. Kirkby (Eds) Dryland Rivers: Hydrology and Geomorphology of Semi-arid Channels. John Wiley, Chichester.

Gebremichael, D., Nyssen, J., Poesen, J., Deckers, J., Mhaile, M., Govers, G. and Moeyersons, J. (2005). Effectiveness of stone bunds in controlling soil erosion on cropland in the Tigray Highlands, northern Ethiopia. *Soil Use and Management* 21(3), 287-297.

Gillijns, K., Poesen, J. and Deckers, J. (2005). On the characteristics and origin of closed depressions in loess-derived soils in Europe – a case study from central Belgium. *Catena* 60, 43-58.

Gimeno-García, E., Andreu, V. and Rubio, J.L. (2004). Spatial patterns of soil temperatures during experimental fires. *Geoderma* 118, 17-38.

Jimeno-García, E., Andreu, V. and Rubio, J.L. (2007). Influence of vegetation recovery on water erosion at short and medium-term after experimental fires in a Mediterranean shrubland. *Catena* 69, 150-160.

Gómez, J.A., Nearing, M.A., Jiraldez, J.V. and Alberts, E.E. (2001). Analysis of sources of variability of runoff in a 40 plot experiment using a numerical model. *Journal of Hydrology* 248, 183-197.

Gómez, J.A., Darboux, F. and Nearing, M.A. (2003). Development and evolution of rill networks under simulated rainfall. *Water Resources Research* 39(6), 1148.

Gómez, J.A. and Nearing, M.A. (2005). Runoff and sediment losses from rough and smooth soil surfaces in a laboratory experiment. *Catena* 59, 253-266.

Gómez, J.A., Vanderlinden, K. and Nearing, M.A. (2005). Spatial variability of surface roughness and hydraulic conductivity after disk tillage: Implications for runoff variability. *Journal of Hydrology* 311(1-4), 143-156.

González, O., Andreu, V., Jimeno-García, E. and Rubio, J.L. (2006). Impact of forest fires on hydrological properties of a typical Mediterranean forest soil, p. 489-507 In: W.G. Kepner, J.L. Rubio, D.A. Mouat and F. Pedrazzini (Eds) Desertification in the Mediterranean Region: A Security Issue. Springer, Dordrecht, The Netherlands.

González, O., Andreu, V., Campo, J., Jimeno-García, E. and Rubio, J.L. (2006). Hydrological properties of a Mediterranean soil burned with different fire intensities. *Catena* 68(2), 186-193.

Goossens, D., Poesen, J., Gross, J. and Spaan, W. (2000). Splash drift on light sandy soils: a field experiment. *Agronomie* 20(3), 271-282.

Govers, G., Van Meirvenne, M., Poesen, J., Gabriels, D., Rozanov, A., Laker, M.C. and Van Oost, K. (2002). Cartographic modelling of land degradation. Proceedings of a workshop held in Ghent (September 2001) in the framework of the Bilateral Co-operation between Flanders and South Africa. Ministry of the Flemish Community (Belgium) and Foundation for Research Development (South Africa). K.U.Leuven, 111 pp.

Gregory, K.J., Benito, G., Dikau, R., Golosov, V., Johnstone, E.C., Jones, J.A.A., Macklin, M.G., Parsons, A.J., Passmore, D.G., Poesen, J., Soja, R., Starkel, L., Thorndycraft, V.R. and Walling, D.E. (2006). Past hydrological events and global change. *Hydrological Processes* 20(1), 199-204.

Guerra, A., Marcal, M., Polivanov, H., Sathler, R., Mendonça, J., Guerra, T., Bezerra, F., Furtado, M., Lima, N., Souza, U., Feitosa, A., Davies, K., Fullen, M.A. and Booth, C.A. (2005). Environmental management and health risks of soil erosion gullies in São Luis (Brazil) and their potential remediation using palm-leaf geotextiles, p. 459-467 In: C.A. Brebbia, V. Popov and D. Fayzieva (Eds), Environmental Health Risk III. Wessex Institute of Technology Press, Southampton.

Gyssels, G., Poesen, J., Nachtergaele, J. and Govers, G. (2002). The impact of sowing density of small grains on rill and ephemeral gully erosion in concentrated flow zones. *Soil & Tillage Research* 64(3-4), 189-201.

Gyssels, G. and Poesen, J. (2003). The importance of plant root characteristics in controlling concentrated flow erosion rates. *Earth Surface Processes and Landforms* 28, 371-384.

Gyssels, G., Poesen, J., Bochet, E. and Li, Y. (2005). Impact of plant roots on the resistance of soils to erosion by water: a review. *Progress in Physical Geography* 29(2), 189-217.

Gyssels, G., Poesen, J., Liu, G., Van Dessel, W., Knapen, A. and De Baets, S. (2006). Effects of cereal roots on detachment rates of single- and double drilled topsoils during concentrated flow. *European Journal of Soil Science* 57(3), 381-391.

Haidouti, C., Karyotis, T. Massas, J. and Haroulis, A. (2001). Red soils in Thrace (Greece): Properties, development and productivity. *Communications in Soil Science and Plant Analysis* 32(5,6), 617-631.

Helming, K., Auzet, A.V. and Favis-Mortlock, D.T. (2005). Soil erosion patterns: evolution, spatio-temporal dynamics and connectivity. *Earth Surface Processes and Landforms* 30(2), 131-132.

K. Helming, J.L. Rubio and J. Boardman (Eds) (2006). Soil Erosion across Europe: Research Approaches and Perspectives. *Catena* 68 (Special Issue).

Holmes, P., Boardman, J., Parsons, A.J. and Marker, M.E. (2003). Geomorphic palaeoenvironments of the Sneeuwberg Range, Great Karoo, South Africa. *Journal of Quaternary Science* 18, 801-813.

Iversen, B.V., Moldrup, P., Schjønning, P. and Jacobsen, O.H. (2003). Field application of a portable air permeameter to characterize spatial variability in air and water permeability. *Vadose Zone Journal* 2, 618-626.

Jakkula, V.S., Williams, C.D., Hocking, T.J. and Fullen, M.A. (2005). High selectivity and affinity of Linde type F towards NH_4^+ on application as a soil amendment for maize growth. *Microporous and Mesoporous Materials* 88, 101-104.

Jankauskas, B. and Fullen, M.A. (2002). A pedological investigation of soil erosion severity on undulating land in Lithuania. *Canadian Journal of Soil Science* 82, 311-321.

Jankauskas, B., Jankauskiene, G. and Fullen, M.A. (2004). Erosion-preventive crop rotations and water erosion rates on undulating slopes in Lithuania. *Canadian Journal of Soil Science* 84(2), 177-186.

Jankauskas, B., Slepetiene, A., Jankauskiene, G., Fullen, M.A. and Booth, C.A. (2005). Comparison of soil organic matter analytical methodologies and the international transfer of data. *Lithuanian Journal of Science (Agricultural Sciences)* 2005(3), 1-7.

Jankauskas, B., Jankauskiene, G., Slepetiene, A., Fullen, M.A. and Booth, C.A. (2005). International comparison of analytical protocols for determining soil organic matter content on Lithuanian Albeluvisols. *Acta Universitatis Latviensis* 692, 66-77.

Jankauskas, B., Slepetiene, A., Jankauskiene, G., Fullen, M.A. and Booth, C.A. (2006). International comparison of analytical methods of determining the soil organic matter content of Lithuanian Eutric Albeluvisols. *Communications in Soil Science and Plant Analysis* 37(5&6), 707-720.

Jankauskas, B. and Fullen, M.A. (2006). Lithuania, p. 57-65 Chapter 1.6 In: J. Boardman and J. Poesen (Eds) Soil Erosion in Europe. John Wiley, Chichester.

Jankauskas, B., Slepetiene, A., Jankauskiene, G., Fullen, M.A. and Booth, C.A. (2006). A comparative study of analytical methodologies to determine the soil organic matter content of Lithuanian Eutric Albeluvisols. *Geoderma* 136(3-4), 763-773.

Jankauskas, B., Jankauskiene, G. and Fullen, M.A. (2007). Relationships between soil organic matter content and soil erosion severity in Albeluvisols of the Zemaikai Uplands. *Ecologija* 23(1), 21-28.

Jankauskas, B., Jankauskiene, G. and Fullen, M.A. (2008). Soil erosion and changes in the physical properties of Lithuanian Eutric Albeluvisols under different land use systems. *Acta Agriculturae Scandinavica (Section B-Soil and Plant Science)* 58(1), 66-76.

Jankauskas, B., Jankauskiene, G., Fullen, M.A. and Booth, C.A. (2008). Utilizing palm-leaf geotextiles to control soil erosion on roadside slopes in Lithuania. *Lithuanian Journal of Science (Agricultural Sciences)* 2008(3), 22-28.

Jankauskas, B., Jankauskienė, G., Fullen, M.A. and Booth, C.A. (2008). The effects of biogeotextiles on the stabilization of roadside slopes in Lithuania. *The Baltic Journal of Road and Bridge Engineering* 3(4), 175-180.

Jetten, V., Govers, G., Hessel, R., Poesen, J. and Nachtergaele, J. (2003). Erosion models: Quality of spatial predictions. *Hydrological Processes* 17(5), 887-900. (See also Erratum in *Hydrological Processes* 18, 595).

Jin, K., Cornelis, W.M., Schiettecatte, W., Lu, J., Yao, Y., Wu, H., Gabriels, D., De Neve, S., Cai, D. and Hartmann, R. (2007). Effects of different management practices on the soil-water balance and crop yield for improved dryland farming in the Chinese Loess Plateau. *Soil & Tillage Research* 96, 131-144.

Jin, K., Cornelis, W.M., Schiettecatte, W., Lu, J.J., Buysse, T., Baert, G., Wu, H.J., Yao, Y., Cai, D.X., Jin, J.Y., De Neve, S., Hartmann, R. and Gabriels, D. (2008). Redistribution and loss of soil organic carbon by overland flow under various soil management practices on the Chinese Loess Plateau. *Soil Use and Management* 22, 181-191.

Jorba, M., Vallejo, V.R., Josa, R., Alcañiz, J.M. and Solé, A. (2000). Evaluación de experiencias piloto de restauración ecológica después de una década. *Ingeopress* 88, 44-50.

Karri, R.S., Sarsby, R.W. and Fullen, M.A. (2007). Vegetable fibre degradation in polluted water, p. 43-47 In: R.W. Sarsby and A.J. Felton (Eds) *Geotechnical and Environmental Aspects of Waste Disposal Sites*. Taylor and Francis, London.

Karyotis, T., Haroulis, A., Vavoulidou, E. and Papadopoulos, P. (2000). Soil properties and distribution of heavy metals and boron within three Mediterranean Histosols. *SUO Mires and Peat* 51(3), 95-104.

Karyotis, T., Mitsimponas, T. and Tziouvalekas, M. (2001). Net nitrogen mineralization in Greek soils, previously amended with sugar beet residues. *Balkan Ecology* 4(1), 35-43.

Karyotis, T., Iliadis, C., Noulas, C. and Mitsimponas, T. (2003). Preliminary research on seed production and nutrient content for certain Quinoa varieties in a saline-sodic soil. *Journal of Agronomy and Crop Science* 189(6), 402-408.

Karyotis, T., Panagopoulos, A., Pateras, D., Panoras, A., Danalatos, N., Angelakis, C. and Kosmas, C. (2002). The Greek Action Plan for the mitigation of nitrates in water resources of the vulnerable district of Thessaly. *Journal of Mediterranean Ecology* 3(2-3), 77-83.

Karyotis, T., Iliadis, C., Noulas, C. and Mitsimponas, T. (2003). Assessment of nutrient uptake by durum wheat (*Triticum durum* Desf.) and chickpea (*Cicer arietinum* L.) in two alluvial soils. *Journal of Balkan Ecology* 6(3), 258-265.

Karyotis, T., Charoulis, A., Mitsimponas, T. and Vavoulidou, E. (2005). Nutrients and trace elements of arable soils rich in organic matter. *Communications in Soil Science and Plant Analysis* 36(4-6), 403-414.

Karyotis, T., Onduru, D.D., Noulas, C., Gachimbi, L.N. and Muchena, F. (2005). Nutrients, trace elements and net N mineralization in acidic Kenyan soils. *Soil Science and Plant Nutrition* 51(5), 645-648.

Karyotis, T., Orfanidis, S. and Reizopoulou, S. (2006). Marine benthic macrophytes as possible nitrogen source in agriculture. *Journal of Plant Nutrition and Soil Science* 169, 557-563.

Karyotis, T., Mitsimponas, T., Tziouvalekas, M. and Noulas, C. (2006). Net nitrogen and sulfur mineralization in mountainous soils, amended with indigenous plant residues. *Communications in Soil Science and Plant Analysis* 37, 2805-2817.

Karyotis, T., Panagopoulos, A., Alexiou, J., Kalfountzos, D., Pateras, D., Argyropoulos, G. and Panoras, A. (2006). Nitrate pollution in a vulnerable zone of Greece. *Communications in Biometry and Crop Science* 1(2), 72-78.

Karyotis, T., Charoulis, A., Alexiou, J., Tziouvalekas, M., Mitsimponas, T. and Drosos, A. (2009). Variation of properties in surface soils from a prior lake-bed (Lake Askuris, Greece) farmed for over 90 years. *Communications in Soil Science and Plant Analysis* 40, 352-364.

Karyotis, T., Ebanyat, P., Mitsimponas, T., Nagawa, F., Noulas, C. and Tziouvalekas, M. (2009). Characteristics associated with low fertility in acidic Ugandan soils and effective nutrient management. In: *Future Agricultures DEBATE. Policy Frameworks for Increasing Soil Fertility in Africa: Debating the Alternatives*: www.future-agricultures.org/EN/e-debates/Soil_Fertility/soilfertility_main.html.

Kawamoto, K., Moldrup, P., Schjønning, P., Iversen, B.V., Rolston, D. and Komatsu, T. (2006). Gas transport parameters in the vadose zone: Gas diffusivity in field and lysimeter soil profiles. *Vadose Zone Journal* 5, 1194-1204.

Kawamoto, K., Moldrup, P., Schjønning, P., Iversen, B.V., Rolston, D. and Komatsu, T. (2006). Gas transport parameters in the vadose zone: Development and tests of power-law models for air permeability. *Vadose Zone Journal* 5, 1205-1215.

W.G. Kepner, J.L. Rubio, D.A. Mouat and F. Pedrazzini (Eds) (2005). Desertification in the Mediterranean Region: A Security Issue. Proceedings of the NATO Mediterranean Dialogue Workshop, Valencia. Springer, Dordrecht, The Netherlands.

Kertész, Á., Toth, A., Szalai, Z., Jakab, G., Kozma, K., Booth, C.A., Fullen, M.A. and Davies, K. (2007). Geotextiles as a tool against soil erosion in vineyards and orchards, p. 611-619 In: A. Kungolas, C.A. Brebbia and E. Beriatos (Eds) Sustainable Development and Planning III. Wessex Institute of Technology Press, Southampton.

- Kertész, Á. and Centeri, Cs. (2006). Hungary. p. 139-153. *In*: J. Boardman and J. Poesen (Eds) Soil Erosion in Europe. John Wiley & Sons, Chichester.
- Khamsouk, B. et Roose, E. (2001). Erosion des sols, pollution des eaux: la culture bananière à la loupe. *France-Antilles* du 7/10/2001, 54-55.
- Khamsouk, B. et Roose, E. (2003). Ruissellement et érosion d'un sol volcanique tropical cultivé en systèmes intensifs en Martinique. *Cahiers Agricultures* 12, 1-7.
- Khamsouk, B. and Roose, E. (2003). Runoff and water erosion processes of a tropical volcanic soil cultivated under the main crops systems in Martinique. *Tropical Agriculture (Trinidad)*, 80(3), 1-7.
- Khatteli, H. and Gabriels, D. (2000). The effect of wind direction on aeolian sand transport in Southern Tunisia. *International Agrophysics* 14, 291-296.
- Khlosi, M., Cornelis, W.M., van Genuchten, M.Th, Douek, A. and Gabriels, D. (2008). Performance evaluation of models that describe the soil water retention curve between saturation and oven dryness. *Vadose Zone Journal* 7, 87-96.
- Kimaro, D.N., Deckers, J.A., Poesen, J., Kilasara, M. and Msanya, B.M. (2005). Short and medium term assessment of tillage erosion in the Uluguru Mountains, Tanzania. *Soil & Tillage Research* 81(1), 97-108.
- Kimoto, A., Nearing, M.A., Zhang, X.C. and Powell, D.M. (2006). Applicability of rare earth element oxides as sediment tracers for coarse-textured soils. *Catena* 65(3), 214-221.
- Kimoto, A., Nearing, M.A., Shipitalo, M.J. and Polyakov, V.O. (2006). Multi-year tracking of sediment sources in a small agricultural watershed using rare earth elements. *Earth Surface Processes and Landforms* 31, 1763-1774.
- Kirkby, M.J., Bull, L.J., Poesen, J., Nachtergaele, J. and Vandekerckhove, L. (2003). Observed and modelled distributions of channel and gully heads - with examples from SE Spain and Belgium. *Catena* 50(2-4), 415-434.
- Kirwan, L., Luescher, A., Sebastia, M.T., Collins, R., Porqueddu, C., Finn, J.A., Helgadóttir, A., Baadshaug, O.H., Brophy, C., Coran, C., Dalmannsdóttir, S., Delgado, I., Elgersma, A., Fothergill, M., Frankow-Lindberg, B., Golinski, P., Grieu, O., Gustavsson, A.M., Höglind, M., Iliadis, C., Jørgensen, M., Kadziuliene, Z., Karyotis, T., Lunnan, T., Malengier, M., Maltoni, S., Meyer, V., Nyfeler, D., Nykanen-Kurki, P., Parente, J., Smit, H.J., Thumm, U. and Connolly, J. (2007). Evenness drives consistent diversity effects in intensive grassland systems across 28 European sites. *Journal of Ecology* 95(3), 530-539.

Kjaergaard, C., de Jonge, L.W., Moldrup, P. and Schjønning, P. (2004). Water-dispersible colloids: Effects of measurement method, clay content, initial soil matric potential, and wetting rate. *Vadose Zone Journal* 3, 403-412.

Knapen, A., Kitutu, M.G., Poesen, J., Breugelmanns, W., Deckers, J. and Muwanga, A. (2006). Landslides in a densely populated county at the footslopes of Mount Elgon (Uganda): Characteristics and causal factors. *Geomorphology* 73, 149-165.

Knapen, A., Poesen, J. and de Baets, S. (2007). Seasonal variations in soil resistance during concentrated flow for a loess-derived soil under two contrasting tillage practices. *Soil & Tillage Research* 94, 425-440.

Knapen, A., Smets, T. and Poesen, J. (2009). Flow-retarding effects of vegetation and geotextiles on soil detachment during concentrated flow. *Hydrological Processes* 23, 2427-2437.

R. Kõlli (Ed.) (2006). Soil Conservation in Nordic Countries – Contributions of the Conference of the European Society of Soil Conservation (ESSC) in May 2005 in Tartu, Estonia. *Archives in Agronomy and Soil Science* 52(2), 125-241. Special Issue.

Kosmas, C., Marathianou, M., Gerontidis, St., Detsis, V., Tsara, M. and Poesen, J. (2001). Parameters affecting water vapor adsorption by the soil under semi-arid climatic conditions. *Agricultural Water Management* 48, 61-78.

Kristiansen, S.M, Schjønning, P., Thomsen, I.K., Olesen, J.E., Kristensen, K. and Christensen, B.T. (2006). Similarity of differently sized macro-aggregates in arable soils of different texture. *Geoderma* 137, 147-154.

Larsen, T., Schjønning, P. and Axelsen, J.A. (2004). The impact of soil compaction on euedaphic Collembola. *Applied Soil Ecology* 26, 273-281.

Lascelles, B., Favis-Mortlock, D.T., Parsons, A.J. and Guerra, A.J.T. (2000). Spatial and temporal variations in two rainfall simulators: implications for spatially explicit rainfall simulation experiments. *Earth Surface Processes and Landforms* 25(7), 709-721.

Lascelles, B., Favis-Mortlock, D.T., Parsons, A.J. and Boardman, J. (2002). Automated digital photogrammetry - a valuable tool for small-scale geomorphological research for the non-photogrammetrist? *Transactions in GIS* 6(1), 5-15.

Lei, T. and Nearing, M.A. (2000). Flume experiments for determining rill hydraulic characteristic erosion and rill patterns. *Shuili Xuebao* 11, 49-54. (In Chinese).

Lei, T. and Nearing, M.A. (2000). Laboratory experiments of rill initiation and critical shear stress in loose soil material. *Transactions of the Chinese Society of Agricultural Engineers* 16, 26-30. (In Chinese).

Lei, T.W., Zhang, Q.W, Zhao, J. and Nearing, M.A. (2006). Tracing sediment dynamics and sources in eroding rills with rare earth elements. *European Journal of Soil Science* 57(3), 287-294.

Y. Li, J. Poesen and C. Valentin (Eds) (2004). Gully Erosion under Global Change. Sichuan Science and Technology Press, Chengdu, China, 354 pp. (ISBN: 7-5364-5423-6).

Li, X-Y., González, A. and Solé-Benet, A. (2005). Evaluation of two infiltration measurement techniques for different soil crusts. *Catena* 60, 255-266.

Licciardello, F., Amore, E., Nearing, M.A. and Zimbone, S.M. (2006). Runoff and erosion modelling by WEPP in an experimental Mediterranean watershed, In: P.N. Owens and A.J. Collins (Eds.) Soil Erosion and Sediment Redistribution in River Catchments. CABI Publishing, Oxford.

Licznar, P. and Nearing, M.A. (2003). Artificial neural networks of soil erosion and runoff prediction at the plot scale. *Catena* 51(2), 89-114.

Liu, B.Y., Nearing, M.A., Shi, P.J. and Jia, Z.W. (2000). Slope length relationships for soil loss for steep slopes. *Soil Science Society of America Journal* 64(5), 1759-1763.

Lorenzoni, I., Jordan, A., Favis-Mortlock, D.T., Viner, D. and Hall, J. (2001). Developing sustainable practices to adapt to the impacts of climate change: a case study of agricultural systems in eastern England (UK). *Regional Environmental Change* 2, 106-117.

Lovett, A., Appleton, K., Sunnenberg, G., Evans, R., Orson, J. and Hermann, S. (2006). Modelling and visualising runoff and soil erosion problems in an agricultural catchment: The AMEWAM Project, p. 80-88 In: E. Buhmann, S. Ervin, I. Jorgenson and J. Strobel (Eds) Trends in Knowledge-Based Landscape Modelling. Herbert Wichmann Verlag, Heidelberg.

Mannaerts, C. and Gabriels, D. (2000). Rainfall erosivity in Cape Verde. *Soil & Tillage Research* 55, 207-212.

Mannaerts, C. and Gabriels, D. (2000). A probabilistic approach for predicting rainfall soil erosion losses in semi-arid areas. *Catena* 40, 403-420.

Martinez-Casasnovas, J.A., Ramos, M.C. and Poesen, J. (2004). Assessment of sidewall erosion in large gullies using multi-temporal DEMs and logistic regression analysis. *Geomorphology* 58, 305-321.

Mathys, N. and Poesen, J. (2005). Gully erosion in mountain areas: processes, measurement, modelling and regionalization. *Géomorphology: relief, processes, environnement* 1, 3-6. (ISBN: 2-913282-27-X).

Mathys, N. and Poesen, J. (2005). Ravinement en montagne: processus, mesures, modélisation, régionalisation. *Géomorphologie: relief, processus, environnement* 1, 1-74.

Mazour, M. et Roose, E. (2003). Influence de la couverture végétale sur le ruissellement et l'érosion dans des BV du NO de l'Algérie. *Bull. Réseau Erosion* 21, 320-330.

Merten, G.H., Nearing, M.A. and Borges, A.O. (2001). Effect of sediment load on soil detachment and deposition in rills. *Soil Science Society of America Journal* 65, 861-868.

Millington, J.A., Fullen, M.A., Moore, G.M., Booth, C.A., Trueman, I.C., Worsley, A.T. and Richardson, N. (2008). Morphodynamics of the Morffa Dyffryn coastal dunes, mid-Wales: photographic survey 1988-2007, p. 211-220 In: C.A. Brebbia (Ed.) *Environmental Problems in Coastal Regions VII*. Wessex Institute of Technology Press, Southampton.

Milne, E., Wu Bozhi, Fullen, M.A., Hocking, T.J. and Mitchell, D.J. (2004). Erosion rates and crop productivity on a red soil experimental site in Yunnan Province, p. 137-150 In: M.J. Wilson, Zhenli He and Xiaoe Yang (Eds) *The Red Soils of China: Their Nature, Management and Utilization*. Springer Publishers, Dordrecht, The Netherlands.

Mitchell, D.J., Fearnough, W., Fullen, M.A. and Trueman, I.C. (2002). Boundary zone gradients between mobile and stabilised dunes in Ningxia, China, p. 647-657 In: J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds) *Man and Soil at the Third Millennium* Vol. 1, Proceedings of the 3rd International Congress of the European Society for Soil Conservation, Geofoma Ediciones, Logroño, 1115 pp.

Mitchell, D.J., Barton, A.P., Fullen, M.A., Hocking, T.J., Wu Bo Zhi and Zheng Yi (2003). Field studies of the effects of jute geotextiles on runoff and erosion in Shropshire, U.K. *Soil Use and Management* 19(2), 182-184.

Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J. and Mitiku Haile (2005). Age and backfill/overflow stratigraphy of two tufa dams, Tigray Highlands, Ethiopia: Evidence for late Pleistocene and Holocene wet conditions. *Palaeogeography, Palaeoclimatology, Palaeoecology* 230(1-2), 165-181.

Moldrup, P., Olesen, T., Komatsu, T., Yoshikawa, S., Schjønning, P. and Rolston, D.E. (2003). Modeling diffusion and reaction in soils: X. A unifying model for solute and gas diffusivity in unsaturated soil. *Soil Science* 168, 321-337.

Morsli, B., Halitim, A. et Roose, E. (2004). Effet des systèmes de gestion sur le ruissellement, l'érosion et le stock de C.; du sol dans les monts de Beni-Chougrane (Algérie). *Bull Réseau Erosion* 23, 416-430.

Morsli, B., Mazour, M., Mededjel, N., Hamoudi, A. et Roose, E. (2004). Influence de l'utilisation des terres sur les versants semi-arides du NO de l'Algérie. *Sécheresse* 15(1), 96-104.

Morsli, B., Mazour, M., Medjel, N., Halitim, A. et Roose, E. (2004). Effets des systèmes de gestion des terres sur l'érosion et le stock du C. dans les monts du Tell occidental, Algérie. *Bull. Réseau Erosion* 22, 144-165.

Morsli, B., Mazour, M., Arabi, M. and Roose, E. (2005). Influences of land uses, soils and cultural practices on carbon eroded and carbon stocks in soils of Mediterranean mountains of northern Algeria. In: E. Roose, R. Lal, C. Feller, B. Barthès and B. Stewart (Eds) *Soil Erosion and Carbon Dynamics, Advances in Soil Sciences*, CRC Publishers, Boca Raton, USA.

Moussa, M., Solé-Benet, A., Domene, M.A. and Vidal, S. (2004). Suivi de l'humidité du sol dans les oasis littorales tunisiennes pour une meilleure gestion de l'irrigation et du drainage. *Revue des Régions Arides*, N° spécial, 370-377.

Munkholm, L.J., Schjønning, P. and Kay, B.D. (2002). Tensile strength of soil cores in relation to aggregate strength, soil fragmentation and pore characteristics. *Soil & Tillage Research* 64, 125-135.

Munkholm, L.J., Schjønning, P., Deboz, K., Jensen, H.E. and Christensen, B.T. (2002). Aggregate strength and mechanical behaviour of a sandy loam under long-term fertilization treatments. *European Journal of Soil Science* 53, 129-137.

Munkholm, L.J., Schjønning, P., Rasmussen, K.J. and Tanderup, K. (2003). Spatial and temporal effects of direct drilling on soil structure in the seedling environment. *Soil & Tillage Research* 71, 163-173.

Munkholm, L.J. and Schjønning, P. (2004). Structural vulnerability of a sandy loam exposed to intensive tillage and traffic in wet conditions. *Soil & Tillage Research* 79, 79-85.

Munkholm, L.J., Schjønning, P. and Rüegg, K. (2005). Mitigation of subsoil recompaction by light traffic and on-land ploughing: I. Soil response. *Soil & Tillage Research* 80, 149-158.

Munkholm, L.J., Schjønning, P., Jørgensen, M.H. and Thorup-Kristensen, K. (2005). Mitigation of subsoil recompaction by light traffic and on-land ploughing: II. Root and yield response. *Soil & Tillage Research* 80, 159-170.

Nachtergaele, J., Poesen, J., Vandekerckhove, L., Oostwoud Wijdenes, D. and Roxo, M. (2001). Testing the ephemeral gully erosion model (EGEM) for two Mediterranean environments. *Earth Surface Processes and Landforms* 26, 17-30.

Nachtergaele, J., Poesen, J., Steegen, A., Takken, I., Beuselinck, L., Vandekerckhove, L. and Govers, G. (2001). The value of a physically based model versus an empirical approach in the prediction of ephemeral gully erosion for loess-derived soils. *Geomorphology* 40, 237-252.

Nachtergaele, J. and Poesen, J. (2002). Spatial and temporal variations in resistance of loess-derived soils to ephemeral gully erosion. *European Journal of Soil Science* 53(3), 449-464.

Nachtergaele, J., Poesen, J., Oostwoud Wijdenes, D. and Vandekerckhove, L. (2002). Medium-term evolution of a gully developed in a loess-derived soil. *Geomorphology* 46(3-4), 223-239.

Nachtergaele, J., Poesen, J., Sidorchuk, A. and Torri, D. (2002). Prediction of concentrated flow width in ephemeral gully channels. *Hydrological Processes* 16(10), 1935-1953.

Nearing, M.A. (2000). Evaluating soil erosion models using measured plot data: Accounting for variability in the data. *Earth Surface Processes and Landforms* 25, 1035-1043.

Nearing, M.A. (2000). Comments on "USLE-M: Empirical modeling rainfall erosion through runoff and sediment concentration." *Soil Science Society of America Journal* 64(3), 1137.

Nearing, M.A. (2000). Erosion forecast: Models predict climate change impacts on erosivity from 2000-2100. *Resource Engineering and Technology for a Sustainable World* 7(12), 33.

Nearing, M.A., Römken, M.J.M. and Norton, L.D. *et al.* (2000). Measurements and models of soil loss rates. *Science* 290, 1300-1301.

Nearing, M.A. (2001). Potential changes in rainfall erosivity in the United States with climate change during the 21st Century. *Journal of Soil and Water Conservation* 56(3), 229-232.

Nearing, M.A., Norton, L.D. and Zhang, X. (2001). Soil erosion and sedimentation, p. 29-58 In: W.F. Ritter and A. Shirmohammadi (Eds) Agricultural Nonpoint Source Pollution. Lewis Publishers, Boca Raton. (ISBN: 1-56670-222-4).

Nearing, M.A. (2002). Erosion by water: process-based models, p. 473-451 In: Encyclopaedia of Soil Science. Marcel Dekker, New York, NY.

Nearing, M.A. (2003). Soil erosion and conservation, p. 277-290, Chapter 16 In: J. Wainwright and M. Mulligan (Eds) Environmental Modeling: Finding Simplicity in Complexity. John Wiley and Sons.

Nearing, M.A., Pruski, F.F. and O'Neal, M.R. (2004). Expected climate change impacts on soil erosion rates: A review. *Journal of Soil and Water Conservation* 59(1), 43-50.

Nearing, M.A., Kimoto, A., Nichols, M.H. and Ritchie, J.C. (2005). Spatial patterns of soil erosion and deposition in two small, semiarid watersheds. *Journal of Geophysics Research* 110, F04020 (DOI:10.1029/2005JF000290).

Nearing, M.A., Jetten, V., Baffaut, C., Cerdan, O., Couturier, A., Hernandez, M., Le Bissonnais, Y., Nichols, M.H., Nunes, J.P., Renschler, C.S., Souchère, V. and van Oost, K. (2005). Modeling response of soil erosion and runoff to changes in precipitation and cover. *Catena* 61(2-3), 131-154.

Nearing, M.A., Renard, K.G. and Nichols, M.H. (2005). Erosion prediction and modeling, p. 1221-1228 In: M.G. Anderson and J.J. McDonnell (Eds) Encyclopaedia of Hydrological Sciences, Vol. 2. John Wiley and Sons, New York, N.Y. (ISBN: 0-471-49103-9).

Nearing, M.A., Renard, K.G., Nichols, M.H. and Stone, J. (2005). Erosion Prediction, In: S. Trimble (Ed.) Encyclopaedia of Water Science. Marcel Dekker Publishers, New York, N.Y. (ISBN: 0-8247-0948-9).

Nearing, M.A. (2006). Can soil erosion be predicted?, p.145-152 In: P.N. Owens and A.J. Collins (Eds.) Soil Erosion and Sediment Redistribution in River Catchments. CABI Publishing, Oxford.

Nichols, M.H., Renard, K.G., Nearing, M.A. and Stone, J. (2005). Erosion control, mechanical. In: S. Trimble (Ed) *Encyclopaedia of Water Science*. Marcel Dekker Publishers, New York, N.Y. (ISBN: 0-8247-0948-9).

Nigussie Haregeweyn, Poesen, J., Nyssen, J., Verstraeten, G., de Vente, J., Govers, G., Deckers, S. and Moeyersons, J. (2005). Specific sediment yield in Tigray-Northern Ethiopia: Assessment and semi-quantitative modelling. *Geomorphology* 69, 315-331.

Noulas, C., Karyotis, T., Charoulis, A. and Massas, I. (2009). Red Mediterranean soils: nature, properties and management of Rhodoxeralfs in Northern Greece. *Communications in Soil Science and Plant Analysis* 40, 633-648.

Nyssen, J., Mitiku, H., Moeyersons, J., Poesen, J. and Deckers, J. (2000). Soil and water conservation in Tigray (Northern Ethiopia): the traditional Daget technique and its integration with introduced techniques. *Land Degradation and Development* 11(3), 199-208.

Nyssen, J., Moeyersons, J., Deckers, J., Mitiku, H. and Poesen, J. (2000). Vertic movements and the development of stone covers and gullies, Tigray Highlands, Ethiopia. *Zeitschrift für Geomorphologie* 44(2), 145-164.

Nyssen, J., Poesen, J., Mitiku Haile, Moeyersons, J. and Deckers, J. (2000). Tillage erosion on slopes with soil conservation structures in the Ethiopian highlands. *Soil & Tillage Research* 57, 115-127.

Nyssen, J., Mitiku Haile, Poesen, J., Deckers, J. and Moeyersons, J. (2001). Removal of rock fragments and its effect on soil loss and crop yield, Tigray, Ethiopia. *Soil Use and Management* 17, 179-187.

Nyssen, J., Poesen, J., Moeyersons, J., Lavrysen, E., Haile, M. and Deckers, J. (2002). Spatial distribution of rock fragments in cultivated soils in northern Ethiopia as affected by lateral and vertical displacement processes. *Geomorphology* 43, 1-16.

Nyssen, J., Poesen, J., Moeyersons, J., Luyten, E., Veyret-Picot, M., Deckers, J., Mitiku Haile and Govers, G. (2002). Impact of road building on gully erosion risk: a case study from the northern Ethiopian highlands. *Earth Surface Processes and Landforms* 27(12), 1267-1283.

Nyssen, J., Moeyersons, J., Poesen, J., Deckers, J. and Mitiku Haile (2002). The environmental significance of the remobilization of ancient mass movements in the Atbara-Tekeze headwaters, Northern Ethiopia. *Geomorphology* 49(3-4), 303-322.

Nyssen, J., Mitiku Haile, Moeyersons, J., Poesen, J. and Deckers, J. (2004). Environmental policy in Ethiopia – a rejoinder to Keeley & Scoones. *Journal of Modern African Studies* 42, 137-147.

Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J. and Mitiku Haile (2004). Erosion et conservation des sols en montagne sahélienne: le cas de l'Ethiopie du Nord. *Sécheresse* 151, 33-39.

Nyssen, J., Veyret-Picot, M., Poesen, J., Moeyersons, J., Mitiku Haile, Deckers, J. and Govers, G. (2004). The effectiveness of loose rock check dams for gully control in Tigray, northern Ethiopia. *Soil Use and Management* 20, 55-64.

Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J., Mitiku, H. and Lang, A. (2004). Human impact on the environment in the Ethiopian and Eritrean highlands – a state of the art. *Earth Science Reviews* 64(3-4), 273-320.

Nyssen, J., Vandenreyken, H., Poesen, J., Moeyersons, J., Deckers, J., Mitiku Haile, Salles, C. and Govers, G. (2005). Rainfall erosivity and variability in the Northern Ethiopian Highlands. *Journal of Hydrology* 311, 172-187.

O'Neal, M.R., Nearing, M.A., Vining, R.C., Southworth, J. and Pfeifer, R.A. (2005). Climate change impacts on soil erosion in Midwest United States with changes in corn-soybean-wheat management. *Catena* 61(2-3), 165-184.

Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and Ghesquiere, M. (2000). Spatial distribution of gully head activity and sediment supply along an ephemeral channel in a Mediterranean environment. *Catena* 39, 147-167.

Oostwoud Wijdenes, D.J., Poesen, J., Vandekerckhove, L. and Kosmas, C. (2001). Measurements at one-year interval of rock-fragment fluxes by sheep trampling on degraded rocky slopes in the Mediterranean. *Zeitschrift für Geomorphologie N.F.* 45, 477-500.

Orson, J., Evans, R. and Lovett, A. (2005). Soil erosion in the UK - the role of AMEWAM, p. 31-40 In: T. Krimly, S. Dabbert and J. Hauser J (Eds) Runoff and Erosion Management in Agriculture - A Step Towards Sustainable Flood Protection. Proceedings of the International Conference of the NWE INTERREG IIIB Project AMEWAM. Der Andere Verlag, Tönnig.

Ost, L., Van Den Eeckhaut, M., Poesen, J. and Vanmaercke-Gottigny, M.C. (2003). Characteristics and spatial distribution of large landslides in the Flemish Ardennes. *Zeitschrift für Geomorphologie N.F.* 47(3), 329-350.

Ottevaere, D., Gabriels, D. and Van Cotthem, W. (2005). Top layer properties for playability of grass football fields: sampling strategy. *Journal of Turfgrass and Sports Surface Science* 80, 43-59.

Ouessar, M., Sghaier, M., Mahdhi, N., Abdelli, F., De Graaff, J., Chaieb, H., Yahyaou, H. and Gabriels, D. (2004). An integrated approach for impact assessment of water harvesting techniques in dry areas: The case of Oued Oum Zessar watershed (Tunisia). *Environmental Monitoring and Assessment* 99, 127-140.

Oyedele, D.J., Schjønning, P. and Amusan, A.A. (2006). Physicochemical properties of earthworm casts and uningested parent soil from selected sites in southwestern Nigeria. *Ecological Engineering* 28, 106-113.

Panomtaranichagul, M., Sukkasem, C., Peukrai, S., Fullen, M.A., Hocking, T.J. and Mitchell, D.J. (2001). Comparative evaluation of cultural practices to conserve soil and water on highland slopes in northern Thailand, p. 147-152 In: K. Helming (Ed.) *Multidisciplinary Approaches to Soil Conservation Strategies*, ZALF (Zentrum für Agrarlandschafts- und Landnutzungsforschung e.V.), Müncheburg, 191 pp.

Panomtaranchagul, M., Fullen, M.A., Cass, A. and Hignett, C. (2006). Soil water storage and water use efficiency under rainfed cultural practices as measured by neutron probe meter. In: Proceedings of the 18th World Congress of Soil Science, Philadelphia. CD-ROM (12 pp.).

Persson, M., Sivakumar, B., Berndtsson, R., Jacobsen, O.H. and Schjønning, P. (2002). Predicting the dielectric constant - water content relationship using artificial neural networks. *Soil Science Society of America Journal* 66, 1424-1429.

Poesen, J.W.A., Verstraeten, G., Soenens, R. and Seynaeve, L. (2001). Soil losses due to harvesting of chicory roots and sugar beet: an underrated geomorphic process? *Catena* 43(1), 35-47.

Poesen, J. and Valentin, C. (2003). Gully Erosion and Global Change. Preface. *Catena* 50(2-4), 87-89.

J. Poesen and C. Valentin (Eds) (2003). Gully Erosion and Global Change. *Catena* 50(2-4), 87-562.

Poesen, J., Nachtergaele, J., Verstraeten, G. and Valentin, C. (2003). Gully erosion and environmental change: importance and research needs. *Catena* 50(2-4), 91-133.

Polyakov, V.O. and Nearing, M.A. (2003). Sediment transport in rill flow under deposition and detachment conditions. *Catena* 51(1), 33-43.

Polyakov, V.O. and Nearing, M.A. (2004). Rare earth element oxides for tracing sediment movement. *Catena* 55, 255-276.

Polyakov, V.O., Nearing, M.A. and Shipitalo, M. (2004). Tracking sediment redistribution in a small watershed: Implications for agro-landscape evolution. *Earth Surface Processes and Landforms* 29, 1275-1291.

Pottyondy, Á., Centeri, Cs., Bodnár, Á., Balogh, Á. and Penksza, K. (2007). Comparison of erosion, soil and vegetation relation of extensive Pannonian meadows under Mediterranean and Sub-Mediterranean effects. *Cereal Research Communications* 35(2 Part II), 949-952. (DOI: 10.1556/CRC.35.2007.2.196).

Pruski, F.F. and Nearing, M.A. (2002). Runoff and soil loss responses to changes in precipitation: a computer simulation study. *Journal of Soil and Water Conservation* 57(1), 7-16.

Pruski, F.F. and Nearing, M.A. (2002). Climate-induced changes in erosion during the 21st Century for eight U.S. locations. *Water Resources Research*. 38(12), article no. 1298.

Ratsivalaka, S., Serpantié, G., De Noni, G. et Roose, E. (2006). *Erosion et Gestion conservatoire de l'eau et de la fertilité des sols*. AUF, EGB, Paris, 310 pp. (ISBN: 2-84703-032-8).

Renschler, C.S., Flanagan, D.C. and Nearing, M.A. (2002). Spatially distributed soil erosion assessment with commonly available data: GIS-based applications with WEPP. *Geoforma Ediciones*.

Rieke-Zapp, D.H. and Nearing, M.A. (2005). Digital close range photogrammetry for measurement of soil erosion. *The Photogrammetric Record* 20(109), 69.

Rieke-Zapp, D.H. and Nearing, M.A. (2005). Slope shape effects on erosion: A laboratory study. *Soil Science Society of America Journal* 69, 1463-1471.

Rieke-Zapp, D.H., Poesen, J. and Nearing, M.A. (2007). Effects of rock fragments incorporated in the soil matrix on concentrated flow hydraulics and erosion. *Earth Surface Processes and Landforms* 32, 1063-1076.

Ríos, C.A. and Williams, C.D. (2008). Synthesis of zeolitic materials from natural clinker: A new alternative for recycling coal combustion by-products. *Fuel* 87, 2482-2492.

Ríos, C.A., Williams, C.D. and Roberts, C.L. (2008). Removal of heavy metals from acid mine drainage (AMD) using fly ash, natural clinker and synthetic zeolites. *Journal of Hazardous Materials* 156, 23-35.

Rios, C.A., Williams, C.D. and Fullen, M.A. (2009). Nucleation and growth history of zeolite LTA synthesized from kaolinite by two different methods. *Applied Clay Science* 42(3-4), 446-454.

Rios, C.A., Williams, C.D. and Fullen, M.A. (2009). Hydrothermal synthesis of hydrogarnet and tobermorite at 175°C from kaolinite and metakaolinite in the CaO-Al₂O₃-SiO₂-H₂O system: A comparative study. *Applied Clay Science* 43(2), 228-237.

Rishirumuhirwa, Th. et Roose, E. (2004). Influence de la gestion de la biomasse sous bananeraie sur l'érosion, le C., et les propriétés d'un sol ferrallitique acide des hauts plateaux du Burundi. *Bull. Réseau Erosion* 23, 250-261.

Ritchie, J.C., Nearing, M., Nichols, M.H. and Ritchie, C.A. (2005). Patterns of soil erosion and redeposition on Lucky Hills watershed, Walnut Gulch Experimental Watershed, Arizona. *Catena* 61(2-3), 122-130.

Robinson, M., Boardman, J., Evans, R., Heppell, K., Packman, J. and Leeks, G. (2000). Land use change, p. 30-54 In: M. Acreman (Ed.) The Hydrology of the UK: A Study of Change. Routledge, London.

Rommens, T., Verstraeten, G., Poesen, J., Govers, G., Van Rompaey, A., Peeters, I. and Lang, A. (2005). Soil erosion and sediment deposition in the Belgian loess belt during the Holocene: establishing a sediment budget for a small agricultural catchment. *The Holocene* 15(7), 1032-1043.

Roose, E., Chebbani, R. et Bourougaa, L. (2000). Ravinement en Algérie: typologie, facteurs et restauration. *Sécheresse* 4(11), 317, 326.

Roose, E. (2001). La Caravelle sous haute surveillance: l'IRD et le PNRM au chevet de la Caravelle. *France-Antilles* du 22/8/2001 n°10374, p. 3.

Roose, E. and Barthès, B. (2001). Organic matter management for soil conservation and productivity restoration in Africa: a contribution from French speaking research. *Nutrient Cycling in Agrosystems* 61, 159-170.

Roose, E., Lamachere, J.M. et De Noni, G. (2001). Effets des actions incitatives contre l'érosion en Afrique francophone et en Amérique latine. *Bull Réseau Erosion* 20, 460-476.

Roose, E. (2002). Traditional strategies for soil conservation in Mediterranean areas, p. 109-129 In: J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds) Proceedings of the Third International Congress of the ESSC 'Man and Soil at the Third Millennium' (Valencia, Spain). Geofoma editiones, Logrono.

Roose, E. (2002). Le Zaï : un labour de termites et de paysans en zone soudano-sahélienne. La Revue Durable 2, 48-50.

Roose, E. (2003). Banquettes mécaniques et techniques traditionnelles de gestion des eaux de surface en zone semi-aride de Tunisie. Bull. Réseau Erosion 21, 130-154.

Roose, E. (2003). Aménagements traditionnels de GCES en Israël: recherche bibliographique. Bull. Réseau Erosion 21, 155-168.

Roose, E. (2003). Quelques techniques traditionnelles de GCES en Languedoc et Roussillon, France. Bull. Réseau Erosion 21, 197-212.

Roose, E. (2003). Conclusions du Colloque de Montpellier 'Land Use, Erosion and Carbon Sequestration.' Bull. Réseau Erosion 21, 493-496.

Roose, E. et Barreteau, D. (2003). Erosion et environnement à la réserve naturelle de la Caravelle, Martinique. Antilla 1030, 18-19.

Roose, E et Sabir, M. (2003). Stratégies traditionnelles de gestion de l'eau et de la fertilité des sols en zone méditerranéenne semi-aride: nouvelle utilisation. Bull. Réseau Erosion 21, 33-44.

Roose, E. (2004). Evolution historique des stratégies de lutte antiérosive. Sécheresse 15(1), 9-18.

Roose, E. (2004). Influence de la gestion de la biomasse sur l'érosion et la séquestration du carbone. Résumé des conclusions du Colloque de Montpellier 2002. Bull. Réseau Erosion 22, 4-14.

Roose, E. (2004). Erosion du C. et indice de sélectivité dans les régions méditerranéennes et tropicales. Bull. Réseau Erosion 22, 74-94.

Roose, E. (2004). La gestion conservatoire de l'eau et de la fertilité des sols: une nouvelle stratégie de lutte antiérosive pour le développement durable. Sécheresse 15(1), 5-7.

Roose, E. et De Noni, G. (2004). La GCES, une stratégie nouvelle pour faire face à un double défi du 21 siècle: la pression démographique et l'environnement rural. Bull. Réseau Erosion 23, 10-27.

Roose, E. et De Noni, G. (2004). Recherches sur l'érosion hydrique en Afrique: revue et perspectives. *Sécheresse* 15(1), 121-129.

Roose, E. et De Noni, G. (2004). Les effets d'actions incitatives de lutte contre l'érosion en Afrique du Nord et en Amérique latine. *Revue de Géographie Alpine*. N° spécial Alain Morel 92(1), 49-60.

Roose, E. and Barthès, B. (2005). Soil carbon erosion and its selectivity at the plot scale in tropical and Mediterranean regions. In: E. Roose, R. Lal, C. Feller, B. Barthès and B. Stewart (Eds) Soil Erosion and Carbon Dynamics. Advances in Soil Sciences, CRC Publishers, Boca Raton, USA.

Roose, E., Meybeck, M., Lal, R. and Feller, C. (2005). Soil erosion and carbon dynamics: conclusions and perspectives. In: E. Roose, R. Lal, C. Feller, B. Barthès and B. Stewart (Eds) Soil Erosion and Carbon Dynamics. Advances in Soil Sciences, CRC Publishers, Boca Raton, USA.

Roose, E., Sabir, M. et Laouina, A. (2010). Adaptation des stratégies paysannes de gestion conservatoire de l'eau et des sols (GCES) aux conditions écologiques du Maroc. IRD et ENFI edit. Montpellier, 350 pp.

Rubio, J.L. (Contributor) (2002). A World Soils Agenda. Discussing International Actions for the Sustainable Use of Soils. In: H. Hurni and K. Meyer (Eds), Centre for Development and Environment, Berne.

J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds) (2002). Man and Soil at the Third Millennium, Proceedings of the 3rd International Congress of the European Society for Soil Conservation, Geoforma Ediciones, Logroño. Volumes 1 and 2.

Rubio, J.L., Andreu, V. and Gimeno-García, E. (2003). Diseño y funcionamiento de una estación experimental para el estudio del efecto de los incendios forestales sobre el suelo, los procesos de erosión y la vegetación, p. 249-274 In: La Ingeniería en los Procesos de Desertificación, Mundi Prensa, Madrid.

Rubio, J.L. and Kapur, S. (2004). Conclusions of Session IV: Control of secondary soil salinisation and nitrate pollution by groundwater, p. 135 In: G. Enne, D. Peter, Ch. Zanolla and C. Zueca (Eds), The MEDRAP Concerted Action to support the Northern Mediterranean Action Programme to Combat Desertification. Athens.

Rubio, J.L., Andreu, V. and Gimeno-García, E. (2004). Effects des feux du forêt sur la matière organique du sol. *Bulletin du Réseau Erosion* 23, 72-74.

Rubio, J.L., Gimeno-García, E. and Andreu, V. (2004). Control of secondary soil salinization and nitrate pollution, p. 128-134 In: G. Enne, D. Peter, Ch. Zanolla and C. Zueca (Eds) The MEDRAP Concerted Action to support the Northern Mediterranean Action Programme to Combat Desertification. Athens.

Rubio, J.L. (2005). Desertificación: Una larga lucha en la percepción de una grave amenaza ambiental. *Ambienta* 47, 26-31.

Rubio, J.L. and Recatala, L. (2005). The relevance and consequences of Mediterranean desertification including security aspects, p. 133-165 In: W.G Kepner, J.L. Rubio, D.A. Mouat and F. Pedrazzini (Eds) *Desertification in the Mediterranean Region. A Security Issue*. Proceedings of the NATO Mediterranean Dialogue Workshop, Valencia. Springer, Dordrecht, The Netherlands.

Rubio, J.L., Molina, M^a.J., Andreu, V., Gimeno-García, E. and Llinares, J.V. (2005). Controlled forest fire experiments: Pre and post-fire soil and vegetation patterns and processes. *Advances in GeoEcology* 36, 314-328.

J.L. Rubio, A.C. Imeson, P. Bielek, M.A. Fullen, J.A. Pascual, V. Andreu, L. Recatala and C. Ano (2006). Directory of European Organizations and Persons Working on Soil Protection. Soil Science and Conservation Research Institute, Bratislava, 190 pp. (plus CD-Rom).

J.L. Rubio, U. Safriel, R. Daussa, W.E.H. Blum and F. Pedrazzini (Editors) (2009). Water Scarcity, Land Degradation and Desertification in the Mediterranean Region. Environmental and Security Aspects. Proceedings of the NATO Advanced Research Workshop on Water Scarcity, Land Degradation and Desertification in the Mediterranean Region: Environmental and Security Aspects. Valencia, Spain 10-11 December 2007. NATO Science for Peace and Security Series C: Environmental Security, Springer, Berlin.

Ruyschaert, G., Poesen, J., Verstraeten, G. and Govers, G. (2005). Interannual variation of soil losses due to sugar beet harvesting in West Europe. *Agriculture, Ecosystems and Environment* 107, 317-329.

Ruyschaert, G., Poesen, J., Verstraeten, G. and Govers, G. (2006). Soil losses due to mechanized potato harvesting. *Soil & Tillage Research* 86, 52-72.

Sabir, M., Roose, E., Machouri, N. et Naouri, F. (2003). Gestion paysanne des ressources naturelles de deux terroirs du Rif occidental, Maroc. *Bull. Réseau Erosion* 21, 414-446.

Sabir, M. et Roose, E. (2004). Influences du couvert végétal et des sols sur le stock de carbone et les risques de ruissellement et d'érosion dans les montagnes méditerranéennes. *Bull. Réseau Erosion* 23, 144-154.

Sabir, M., Barthès, B. et Roose, E. (2004). Recherche d'indicateurs des risques de ruissellement et d'érosion sur les principaux sols des montagnes méditerranéennes du Rif occidental, Maroc. *Sécheresse* 15(1), 105-110.

Salles, C. and Poesen, J. (2000). Rain properties controlling soil splash detachment. *Hydrological Processes* 14(2), 271-282.

Salles, C., Poesen, J. and Govers, G. (2000). Statistical and physical analysis of soil detachment by raindrop impact: rain erosivity indices and threshold energy. *Water Resources Research* 36(9), 2721-2729.

Salles, C. and Poesen, J. (2001). Reply to comment on 'Rain properties controlling soil splash detachment' by P.I.A. Kinnell. *Hydrological Processes* 15, 1527-1528.

Salles, C., Poesen, J. and Sepere-Torres, D. (2002). Kinetic energy of rain and its functional relationship with intensity. *Journal of Hydrology* 257, 256-270.

Salles, C., Poesen, J. and Govers, G. (2002). Reply to comment on "Statistical and physical analysis of soil detachment by raindrop impact: Rain erosivity indices and threshold energy" by M. Styczen. *Water Resources Research* 38(12), 1-3.

Schertz, D.L and Nearing, M.A. (2002). Erosion tolerance/soil loss tolerance, p. 448-451 In: Encyclopaedia of Soil Science. Marcel Dekker, New York, NY.

Schiettecatte, W., Jin, K., Yao, Y., Cornelis, W.M., Lu, J., Wu, H., Cai, D., Verbist, K., Gabriels, D. and Hartmann, R. (2005). Influence of simulated rainfall on physical properties of a conventionally tilled loess soil. *Catena* 64, 209-221.

Schiettecatte, W., Gabriels, D., Cornelis, W.M and Hofman, G. (2008). Impact of deposition on the enrichment of organic carbon in eroded sediment. *Catena* 72, 340-347.

Schiettecatte, W., Gabriels, D., Cornelis, W.M. and Hofman, G. (2008). Enrichment of organic carbon in sediment transport by interrill and rill erosion processes. *Soil Science Society of America Journal* 72, 50-55.

Schiettecatte, W., D'hondt, L., Cornelis, W.M., Acosta, M.L., Leal, Z., Lauwers, N., Almoza, Y, Alonso, G.R., Díaz, J., Ruíz, M. and Gabriels, D. (2008). Influence of landuse on soil erosion risk in the Cuyaguaje watershed (Cuba). *Catena* 74, 1-12.

Schjøønning, P., Munkholm, L.J., Moldrup, P. and Jacobsen, O.H. (2002). Modelling soil pore characteristics from measurements of air exchange: the long-term effects of fertilization and crop rotation. *European Journal of Soil Science* 53, 331-339.

Schjøønning, P., Elmholt, S., Munkholm, L.J. and Deboosz, K. (2002). Soil quality aspects of humid sandy loams as influenced by organic and conventional long-term management. *Agriculture, Ecosystems & Environment* 88, 195-214.

Schjøønning, P., Thomsen, I.K., Moldrup, P. and Christensen, B.T. (2003). Linking soil microbial activity to water- and air-phase contents and diffusivities. *Soil Science Society of America Journal* 67, 156-165.

Schjønning, P., Elmholt, S. and Christensen, B.T. (2004). Soil quality management – concepts and terms, p. 1-16 In: P. Schjønning, S. Elmholt and B.T. Christensen (Eds) Managing Soil Quality: Challenges in Modern Agriculture. CABI Publishing, Wallingford, UK.

Schjønning, P., Elmholt, S. and Christensen, B.T. (2004). Soil quality management – synthesis, p. 315-334 In: P. Schjønning, S. Elmholt and B.T. Christensen (Eds) Managing Soil Quality: Challenges in Modern Agriculture. CABI Publishing, Wallingford, UK.

Schjønning, P., Iversen, B.V., Munkholm, L.J., Labouriau, R. and Jacobsen, O.H. (2005). Pore characteristics and hydraulic properties of a sandy loam supplied for a century with either animal manure or mineral fertilizers. *Soil Use and Management* 21, 265-275.

Schjønning, P., Lamandé, M., Tøgersen, F.A., Arvidsson, J. and Keller, T. (2006). Distribution of vertical stress at the soil-tyre interface: Effects of tyre inflation pressure and the impact on stress propagation in the soil profile. In: R. Horn, H. Fleige, S. Peth. and X. Peng (Eds), Soil Management for Sustainability. *Advances in GeoEcology* 38, 38-46.

Shi Peijun, Ping Yan, Yi Yuan and Nearing, M.A. (2004). Wind erosion research in China: past, present and future. *Progress in Physical Geography* 28(3), 366-386.

Singh, S., Tack, F., Gabriels, D. and Verloo, M. (2000). Heavy metal transport from dredged sediment derived surface soils in a laboratory rainfall simulator experiment. *Water, Air, and Soil Pollution* 118, 73-86.

Smets, T., Poesen, J., Fullen, M.A. and Booth, C.A. (2007). Effectiveness of palm and simulated geotextiles in reducing run-off and inter-rill erosion on medium and steep slopes. *Soil Use and Management* 23, 306-316.

Smets, T., Poesen, J. and Bochet, E. (2008). Impact of plot length on the effectiveness of different soil-surface covers in reducing runoff and soil loss by water. *Progress in Physical Geography* 32(6), 654-677.

Smets, T., Poesen, J. and Knapen, A. (2008). Spatial scale effects on the effectiveness of organic mulches in reducing soil erosion by water. *Earth-Science Reviews* 89, 1-12.

Smets, T. and Poesen, J. (2009). Impacts of soil tillage on the effectiveness of biological geotextiles in reducing runoff and interrill erosion. *Soil & Tillage Research* 103, 356-363.
Smets, T., Poesen, J., Langhans, C., Knapen, A. and Fullen, M.A. (2009). Concentrated flow erosion rates reduced through biological geotextiles. *Earth Surface Processes and Landforms* 34(4), 493-502.

Smolikowski, B., Puig, H. and Roose, E. (2001). Influence of soil protection techniques on runoff, erosion and plant production on semi-arid hillsides of Cape-Verde. *Agriculture, Ecosystems & Environment* 87, 67-80.

Sojka, R.E., Bjorneberg, D.L, Trout, T.J., Strelkoff, T.S. and Nearing, M.A. (2007). The importance and challenge of modeling irrigation-induced erosion. *Journal of Soil and Water Conservation* 62(3), 153-162.

Solé-Benet, A., Pini, R. and Raffaelli, M. (2002). Hydrological consequences of soil surface type and condition in colluvial mica-schist soils after agricultural abandonment, p. 523-533 In: J.L. Rubio, R.P.C. Morgan, S. Asins and V. Andreu (Eds) *Man and Soil at the Third Millennium* (3rd International Congress of the European Society for Soil Conservation), Volume I. Geoforma Ediciones, Logroño, Spain.

Solé-Benet, A., Cantón, Y., Domingo, F., DelBarrio, G., Lázaro, R., Domene, M.A., Vidal, S. and Puigdefàbregas, J. (2003). Long term hydrological monitoring of two micro-catchments in semi-arid SE Spain, p. 183-188 In: L. Holko, and P. Miklanek (Eds) *Interdisciplinary Approaches in Small Catchment Hydrology: Monitoring and Research*. IHP-VI Technical Documents in Hydrology No. 67, UNESCO, Paris.

Sonneveld, B.G.J.S. and Nearing, M.A. (2003). A non-parametric/parametric analysis of the Universal Soil Loss Equation. *Catena* 52(1), 9-21.

Staugaitis, G., Vaisvila, Z., Mazvila, J., Arbaciauskas, J., Adomaitis, T. and Fullen, M.A. (2007). Role of soil mineral nitrogen for agricultural crops: Nitrogen nutrition diagnostics in Lithuania. *Archives in Agronomy and Soil Science* 53(3), 263-271.

Steege, A., Govers, G., Nachtergaele, J., Takken, I., Beuselinck, L. and Poesen, J. (2000). Sediment export by water from an agricultural catchment in the loam belt of central Belgium. *Geomorphology* 33, 25-36.

Steege, A., Govers, G., Takken, I., Nachtergaele, J., Poesen, J. and Merckx, R. (2001). Factors controlling sediment and phosphorus export from two Belgian agricultural catchments. *Journal of Environmental Quality* 30, 1249-1258.

Subedi, M. and Fullen, M.A. (2009). Spatial variability in precipitation within the Hilton Experimental Site, Shropshire, UK (1982-2006). *Hydrological Processes* 23, 236-244.

Subedi, M. and Fullen, M.A. (2009). Temporal changes in soil temperature at the Hilton Experimental Site, Shropshire, UK (1982-2006): Evidence of a warming trend? *Archives in Agronomy and Soil Science* 55(1), 105-113.

Subedi, M., Hocking, T.J., Fullen, M.A., McCrea, A.R., Milne, E., Mitchell, D.J. and WU Bo Zhi (2009). An evaluation of the introduction of modified cropping practices in Yunnan Province, China, using surveys of farmers' households. *Agricultural Sciences in China* 8(2), 188-202.

Subedi, M., Hocking, T.J., Fullen, M.A., McCrea, A.R., Milne, E., WU Bo Zhi and Mitchell, D.J (2009). Use of farmers' indicators to evaluate the sustainability of cropping systems on sloping land in Yunnan Province. *Pedosphere* 19(3), 344-355.

Subedi, M., Hocking, T.J., Fullen, M.A., McCrea, A.R. and Milne, E. (2009). Lessons from participatory evaluation of cropping practices in Yunnan Province, China: overview of the effectiveness of technologies and issues related to technology adoption. *Sustainability* 2009(1), 628-661. Open on-line access at:

<http://www.mdpi.com/2071-1050/1/3/628/pdf>

Subedi, M., Hocking, T.J., Fullen, M.A., McCrea, A.R., Milne, E., WU Bo-zhi and Mitchell, D.J. (2009). An awareness-adoption matrix for strategic decision making in agricultural development projects: A case study in Yunnan Province, China. *Agricultural Sciences in China* 8(9), 1112-1119.

Takken, I., Govers, G., Jetten, V., Nachtergaele, J., Steegen, A. and Poesen, J. (2001). Effects of tillage on runoff and erosion patterns. *Soil & Tillage Research* 61, 55-60.

Takken, I., Govers, G., Jetten, V., Nachtergaele, J., Steegen, A. and Poesen, J. (2005). The influence of both process descriptions and runoff patterns on predictions from a spatially distributed soil erosion model. *Earth Surface Processes and Landforms* 30(2), 213-229.

Thomsen, I.K. and Schjønning, P. (2003). Evaluation of a non-destructive technique for inorganic soil N measurement. *Geoderma* 113, 147-160.

Thomsen, I.K., Schjønning, P., Olesen, J.E. and Christensen, B.T. (2003). C and N turnover in structurally intact soils of different texture. *Soil Biology and Biochemistry* 35, 765-774.

Thomsen, I.K., Schjønning, P. and Christensen, B.T. (2003). Mineralization of ¹⁵N-labelled sheep manure in soils of different texture and water contents. *Biology and Fertility of Soils* 37, 295-301.

Tiwari, A.K., Risse, L.M. and Nearing, M.A. (2000). Evaluation of WEPP model and its comparison with USLE and RUSLE. *Transactions of the American Society of Agricultural Engineers* 43, 1129-1135.

D. Torri, J. Poesen, C. Calzolari and G. Rodolfi (Eds) (2000). Badlands in Changing Environments. *Catena* 40(2), 250 pp.

Torri, D., Poesen, J. and Borselli, D. (2002). Corrigendum to “Predictability and uncertainty of the soil erodibility factor using a global dataset” (Catena 31 (1997) 1-22) and “Erratum to Predictability and uncertainty of the soil erodibility factor using a global dataset” (Catena 31 (1998) 307-308). Catena 46, 309-310.

Turner, S., Lyons, H. and Favis-Mortlock, D.T. (2000). Analysis and mapping of soil problem areas (hot spots) in Europe. Final Report to the European Environment Agency (EEA) In: Where Are the ‘Hot-spots’ of Soil Degradation in Europe? CD-ROM distributed to EIONET. European Environment Agency, Copenhagen.

Udovic, M. and Lestan, D. (2007). EDTA leaching of Cu contaminated soils using ozone/UV for treatment and reuse of washing solution in a closed loop. Water Air and Soil Pollution 181, 319-327.

Udovic, M. and Lestan, D. (2007). The effect of earthworms on the fractionation and bioavailability of heavy metals before and after soil remediation. Environmental Pollution 148, 663-668.

Urbano, F., Costantini, E.A.C., L’Abate, G. and Barbetti, R. (2004). Integrating national soil database and other environmental databases to produce a desertification risk atlas of Italy at the 1:250,000 scale. Global Workshop on Digital Soil Mapping, Montpellier (France) September 2004 (CD-ROM computer file).

Valentin, C., Poesen, J. and Li, Y. (2005). Gully Erosion: A Global Issue, Catena 63(2-3), 129-330.

Valentin, C., Poesen, J. and Li, Y. (2005). Gully Erosion: A Global Issue, Preface. Catena 63(2-3), 129-131.

Valentin, C., Poesen, J. and Li, Y. (2005). Gully Erosion: Impacts, factors and control. Catena 63 (2-3), 132-153.

Vanacker, V., Govers, G., Poesen, J., Deckers, J., Dercon, G. and Loaiza, G. (2003). The impact of environmental change on the intensity and spatial pattern of water erosion in a semi-arid mountainous environment. Catena 51, 329-347.

Vanacker, V., Govers, G., Barros, S., Poesen, J. and Deckers, J. (2003). The effect of short-term socio-economic and demographic change on landuse dynamics and its corresponding geomorphic response with relation to water erosion in a tropical mountainous catchment, Ecuador. Landscape Ecology 18, 1-5.

Vanacker, V., Vanderschaeghe, M., Govers, G., Willems, E., Poesen, J. and Deckers, J. (2003). Linking hydrological, infinite slope stability and land use change models through GIS for assessing the impact of deforestation on landslide susceptibility in High Andean watersheds. Geomorphology 52, 299-315.

- Vanacker, V., Molina, A., Govers, G., Poesen, J., Dercon, G. and Deckers, S. (2005). River channel response to short-term human-induced change in landscape connectivity in Andean ecosystems. *Geomorphology* 72, 340-353.
- Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D., Gyssels, G., Beuselinck, L. and de Luna, E. (2000). Characteristics and controlling factors of bank gullies in two semi-arid Mediterranean environments. *Geomorphology* 33, 37-58.
- Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D., Nachtergaele, J., Kosmas, C., Roxo, M.J. and De Figueiredo, T. (2000). Thresholds for gully initiation and sedimentation in Mediterranean Europe. *Earth Surface Processes and Landforms* 25, 1201-1220.
- Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D. and Gyssels, G. (2001). Short-term bank gully retreat rates in Mediterranean environments. *Catena* 44, 133-161.
- Vandekerckhove, L., Muys, B., Poesen, J., De Weerd, B. and Coppé, N. (2001). A method for dendrochronological assessment of medium-term gully erosion rates. *Catena* 45, 123-161.
- Vandekerckhove, L., Poesen, J. and Govers, G. (2003). Medium-term gully headcut retreat rates in Southeast Spain determined from aerial photographs and ground measurements. *Catena* 50(2-4), 329-352.
- Van den Akker, J.J.H. and Schjønning, P. (2004). Subsoil compaction and ways to prevent it, p. 163-184 In: P. Schjønning, S. Elmholt and B.T. Christensen (Eds) *Managing Soil Quality: Challenges in Modern Agriculture*. CABI Publishing, Wallingford, UK.
- Van Den Eeckhaut, M., Poesen, J., Vanmaercke-Gottigny, M.C., De Bo, H. and Ost, L. (2003). Characteristics, controlling factors and history of the Hekkebrugstraat landslide (Leupegem, Oudenaarde), p. 35-55 In: W. Schiettecatte, D. Gabriels, K. Verbist and G. Oltenfreiter (Eds) *25 Years of Assessment of Erosion*. Excursion Guide 24 September 2003, International Symposium, University of Ghent, Belgium.
- Van Den Eeckhaut, M., Poesen, J., Verstraeten, G., Vanacker, V., Moeyersons, J., Nyssen, J. and van Beek, L.P.H. (2005). The effectiveness of hillshade maps and expert knowledge in mapping old deep-seated landslides. *Geomorphology* 67, 351-363.
- Van Oost, K., Van Muysen, W., Govers, G., Heckrath, G., Quine, T.A. and Poesen, J. (2003). Simulation of the redistribution of soil by tillage on complex topographies. *European Journal of Soil Science* 54(1), 63-76.
- Van Oost, K., Govers, G., Cerdan, O., Thauré, D., Van Rompaey, A., Steegen, A., Nachtergaele, J., Takken, I. and Poesen, J. (2005). Spatially distributed data for erosion model calibration and validation: The Ganspoel and Kinderveld datasets. *Catena* 61, 105-121.

Van Oost, K., Quine, T.A., Govers, G., De Gryze, S., Six, J., Harden, J.W., Ritchie, J.C., McCarty, G.W., Heckrath, G., Kosmas, C., Giraldez, J.V., Marques da Silva, J.R. and Merckx, R. (2007). The impact of agricultural soil erosion on the global carbon cycle. *Science*, 26 October 2007, 626-629.

Van Renterghem, T., Botteldoorn, D., Cornelis, W.M. and Gabriels, D. (2002). Reducing screen-induced refraction of noise barriers in wind by vegetative screens. *Acustica-acta acustica* 88, 231-238.

Van Rompaey, A., Verstraeten, G., Van Oost, K., Govers, G. and Poesen, J. (2001). Modelling mean annual sediment yield using a distributed approach. *Earth Surface Processes and Landforms* 26, 1221-1236.

Vanwalleghem, T., Verheyen, K., Hermy, M., Poesen, J. and Deckers, J. (2004). Legacies of Roman land-use in the present-day vegetation in Meerdaal Forest (Belgium)? *Belgian Journal of Botany* 137(2), 181-187.

Vanwalleghem, T., Poesen, J., Van Den Eeckhaut, M., Nachtergaele, J. and Deckers, J. (2005). Reconstructing rainfall and land use conditions leading to the development of old gullies. *The Holocene* 153, 378-386.

Vanwalleghem, T., Poesen, J. and Verstraeten, G. (2005). Characteristics, controlling factors and importance of deep gullies under cropland on loess-derived soils. *Geomorphology*, 60(1-4), 76-91.

Vanwalleghem, T., Bork, H-R., Poesen, J., Schmidtchen, G., Dotterweich, M., Nachtergaele, J., Bork, H., Deckers, J., Brusch, B., Bungeneers, J. and De Bie, M. (2005). Rapid development and infilling of a buried gully under cropland, central Belgium. *Catena* 63(2-3), 221-243.

van Wesemael, B., Mulligan, M. and Poesen, J. (2000). Spatial patterns of soil water balance on intensively cultivated hillslopes in a semi-arid environment: the impact of rock fragments and soil thickness. *Hydrological Processes* 14, 1811-1828.

Ventura, E., Nearing, M.A. and Norton, L.D. (2001). Developing a magnetic tracer to study soil erosion. *Catena* 43(4), 277-292.

Ventura, E., Nearing, M.A., Amore, E. and Norton, L.D. (2002). The study of soil detachment and deposition on a hillslope using a magnetic tracer. *Catena* 48(3), 149-161.

Vavoulidou, E., Charoulis, A., Soulis, K., Karyotis, T. and Kavvadias, V. (2009). Soil survey for improvement of farming practices in Malia Municipality, Greece. *Communications in Soil Science and Plant Analysis* 40, 1020-1033.

Verbist, K., Schiettecatte, W., Cornelis, W.M., Oltenfreiter, G., Van Meirvenne, M. and Gabriels, D. (2007). The influence of a compacted plow sole on saturation excess and runoff. *Soil & Tillage Research* 96, 292-302.

Verstraeten, G. and Poesen, J. (2000). Estimating trap efficiency of small reservoirs and ponds: methods and implications for the assessment of sediment yield. *Progress in Physical Geography* 24(2), 219-251.

Verstraeten, J. and Poesen, J. (2001). The importance of sediment characteristics and trap efficiency in assessing sediment yield using retention ponds. *Phys. Chem. Earth (B)* 26(1), 83-87.

Verstraeten, G. and Poesen, J. (2001). Variability of dry sediment bulk density between and within retention ponds and its impact on the calculation of sediment yields. *Earth Surface Processes and Landforms* 26, 375-394.

Verstraeten, G. and Poesen, J. (2001). Factors controlling sediment yield from small intensively cultivated catchments in a temperate humid climate. *Geomorphology* 40, 123-144.

Verstraeten, G. and Poesen, J. (2001). Modelling the long-term sediment trap efficiency of small ponds. *Hydrological Processes* 15, 2797-2819.

Verstraeten, G. and Poesen, J. (2002). Regional scale variability in sediment and nutrient delivery from small agricultural watersheds. *Journal of Environmental Quality* 31, 870-879.

Verstraeten, G. and Poesen, J. (2002). Using sediment deposits in small ponds to quantify sediment yield from small catchments: possibilities and limitations. *Earth Surface Processes and Landforms* 27, 1425-1439.

Verstraeten, G., Van Oost, K., Van Rompaey, A., Poesen, J. and Govers, G. (2002). Evaluating an integrated approach to catchment management to reduce soil loss and sediment pollution through modelling. *Soil Use and Management* 18, 386-394.

Verstraeten, G., Poesen, J., Govers, G., Gillijns, K., Van Rompaey, A. and Van Oost, K. (2003). Integrating science, policy and farmers to reduce soil loss and sediment delivery in Flanders, Belgium. *Environmental Science and Policy* 6, 95-103.

Verstraeten, G., Poesen, J., de Vente, J. and Koninckx, X. (2003). Sediment yield variability in Spain: a quantitative and semi-qualitative analysis using reservoir sedimentation rates. *Geomorphology* 50, 327-348.

Verstraeten, G., Van Rompaey, A., Poesen, J., Van Oost, K. and Govers, G. (2003). Evaluating the impact of watershed management scenarios on changes in sediment delivery to rivers? *Hydrobiologia* 494(1-3), 153-158.

Visconti, F., de Paz, J.M., Zapata, R. and Sánchez, J. (2004). Development of an equation to relate electrical conductivity to soil and water salinity in a Mediterranean agricultural environment. *Australian Journal of Soil Research* 42(4), 381-388.

Vona, M., Vona, V., Mizák, J. and Centeri, Cs. (2007). Bakony Mountain of Hungary: its geology, pedology, botany and zoology. *European Geologist* 24, 5-8.

Wei, H., Nearing, M.A. and Stone, J.J (2007). A new sensitivity analysis framework for model evaluation and improvement using a case study of the Rangeland Hydrology and Erosion Model. *Transactions of the American Society for Agricultural and Biological Engineering* 50(3), 945-953.

Williams, A., Pruski, F.F. and Nearing, M.A. (2002). Indirect impacts of climate change that affect agricultural production: soil erosion, Chapter 12 In: C. Otto and C. Doering III, et al. (Eds), *Effects of Climate Change and Variability on Agricultural Production Systems*, Kluwer Academic Publishers, Boston.

Yair, A. and Kossovsky, A. (2002). Climate and surface properties: hydrological response of small arid and semi-arid watersheds. *Geomorphology* 42, 43-57.

Yair, A, and Yassif, N. (2004). Hydrological processes in a small arid catchment: scale effects of rainfall and slope length. *Geomorphology* 61, 155-169.

Yair, A. (2008). Effects of surface runoff and subsurface flow on the spatial variability of water resources in longitudinal dunes, p. 251-272 In: S.W. Breckle, A. Yair and M. Veste (Eds). *Arid Dune Ecosystems*. Ecological Studies Vol. 200, Springer Verlag, Berlin.

Yair, A., Veste, M., Almog, R. and Breckle, S.W. (2008). Sensitivity of a sandy area to climate change along a rainfall gradient at a desert fringe, p. 425-440 In: S.W. Breckle, A. Yair and M. Veste (Eds) *Arid Dune Ecosystems*. Ecological Studies Vol. 200, Springer Verlag, Berlin.

Yin, S., Xie, Y., Nearing M.A. and Wang, C. (2007). Estimation of rainfall erosivity using 5- to 60-minute fixed-interval rainfall data from China. *Catena* 70, 306-312.

Youssef, F., Erpul, G., Bogman, P., Cornelis, W.M. and Gabriels, D. (2008). Determination of efficiency of Vaseline Slide and Wilson and Cooke sediment traps by wind tunnel experiments. *Environmental Geology* 55, 741-750.

Yun, X., Liu, B.Y. and Nearing, M.A. (2002). A practical threshold for separating erosive and non-erosive storms. *Transactions of the American Society for Agricultural Engineering* 45(6), 1843-1847.

Zhang, X.C., Freidrich, J.M., Nearing, M.A. and Norton, L.D. (2001). Potential use of rare earth tracers for soil erosion and aggregation studies. *Soil Science Society of America Journal* 65, 1508-1515.

Zhang, G., Liu, B., Nearing M.A., Huang, C.H. and Zhang, K. (2002). Soil detachment by shallow flow. *Transactions of the American Society of Agricultural Engineers* 42(2), 351-357.

Zhang, X.C., Nearing, M.A., Polyakov, V.O. and Freidrich, J.M. (2003). Using rare earth oxide tracers for studying soil erosion dynamics. *Soil Science Society of America Journal* 67, 279-288.

Zhang G.H., Liu, B.Y., Liu, G., He, X. and Nearing, M.A. (2003). Soil detachment of natural undisturbed soil by shallow flow. *Soil Science Society of America Journal* 67, 713-719.

Zhang, X.C., Nearing, M.A., Garbrecht, J.D. and Steiner, J.L. (2004). Downscaling monthly forecasts to simulate impacts of climate change on soil erosion and wheat production. *Soil Science Society of America Journal* 68, 1376-1385.

Zhang, X.C. and Nearing, M.A. (2005). Impact of climate change on soil erosion, runoff, and wheat productivity in Central Oklahoma. *Catena* 61(2-3), 185-195.

Zhang, G.H., Nearing M.A. and Liu, B.Y. (2005). Potential effects of climate change on rainfall erosivity in the Yellow River basin of China. *Transactions of the American Society of Agricultural Engineers* 48(2), 511-517.

Zucca, C., Zdruli, P. and Montanarella, L. (2007). Integrated monitoring and trans-national co-ordination to support sustainable land management strategies: Ideas for new joint Euro-Mediterranean initiatives, p. 135-150 In: P. Zdruli and G. Trisorio Liuzzi (Eds), *Proceeding of the Euro-Mediterranean Conference on 'Managing Natural Resources through Implementation of Sustainable Policies'* (Beirut, Lebanon 25-30 June 2006), MEDCOASTLAND Publication 5. IAM Bari.

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