

Christopher Martius - Publications (January 2012)

Scientific Publications

Books & special issues of scientific journals

Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (Eds., 2011): **Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan**. Springer, Berlin, Heidelberg, New York. 426 pp. ISBN 978-94-007-1962-0 / doi 10.1007/978-94-007-1963-7_7. Electronic book: <http://www.springer.com/life+sciences/agriculture/book/978-94-007-1962-0>

Winslow, M. D., S. Sommer, H. Bigas, C. Martius, J. Vogt, M. Akhtar-Schuster, R. Thomas (Eds., 2011): **Understanding Desertification and Land Degradation Trends**. Proceedings of the UNCCD First Scientific Conference, 22-24 September 2009, during the UNCCD Ninth Conference of Parties, Buenos Aires, Argentina. Office for Official Publications of the European Communities, Luxembourg, 168 pp. ISBN 978-92-79-21135-5 (PDF); ISBN 978-92-79-21134-8 (print). Download: <http://www.unccd.int/science/docs/Proceedings-1stUNCCDSciConf.pdf>

Winslow, M. D., M. Akhtar-Schuster, C. Martius, L. Stringer, R.J. Thomas, J.V. Vogt (Eds., 2011): **Understanding dryland degradation trends**. Land Degradation and Development 22(2), pp. 145-312. Free download of complete volume: <http://onlinelibrary.wiley.com/doi/10.1002/ldr.v22.2/issuetoc>

Wehrheim, Peter, Anja Schoeller Schletter, and Christopher Martius (Editors, 2008): **Continuity and change Land and water use reforms in rural Uzbekistan. Socio economic and legal analyses for the region Khorezm**. Leibniz Institute of Agricultural Development in Central and Eastern Europe (IAMO). Studies on the Agricultural and Food Sector in Central and Eastern Europe, Vol. 43. VI + 203 pp. Download at: http://www.iamo.de/dok/sr_vol43.pdf. ISBN 978-3-938584-27-9

Martius, C., H. Tiessen, P.L.G. Vlek (Editors, 2001): **Management of organic matter in tropical soils: scope and limitations**. Kluwer, Dordrecht. 248 pp.

Martius, C., H. Tiessen P.L.G. Vlek (Guest Editors, 2001): **Management of organic matter in tropical soils: scope and limitations**. Nutrient Cycling in Agroecosystems 61 (1-2). <http://www.springerlink.com/content/1385-1314/61/1-2/> (identical to book above)

Adis, J., C.R.V. da Fonseca, C. Martius (Editors, 1998): **Mecanismos que mantém a diversidade tropical - um projeto de pesquisa bilateral teuto-brasileiro 1991-1996**. Acta Amazônica 28(3). Download at: <http://acta.inpa.gov.br/sumarios.php?opcao=sumario&volume=28&edicao=3>

Peer-reviewed scientific publications (journals & book chapters)

Rückamp, D., C. Martius, L. Bornemann, D. Kurzatkowski, L.P. Naval, W. Amelung (2012): Soil genesis and heterogeneity of phosphorus forms and carbon below mounds inhabited by primary and secondary termites. Geoderma 170: 239-250. doi: 10.1016/j.geoderma.2011.10.004

Fatondji, D., Martius, C., Vlek, P., Biolders, C., Bationo, A. (2011). Effect of zai soil and water conservation technique on water balance and the fate of nitrate from organic amendments applied: a case of degraded crusted soils in Niger innovations as key to the green revolution in Africa. In: A. Bationo, B. Waswa, J.M.M. Okeyo, F. Maina, J. Maguta Kihara (Eds.): Innovations as Key to the Green Revolution in Africa. Springer, Dordrecht etc., pp. 1125-1135. doi: 10.1007/978-90-481-2543-2_115

Kihara J., Martius C., A. Bationo, P.L.G. Vlek (2011): Effects of tillage and crop residue application on soybean nitrogen fixation in a tropical Ferralsol. Agriculture 1, 22-37. doi: 10.3390/agriculture1010022

- Ibrakhimov, M., C. Martius, J.P.A. Lamers, B. Tischbein (2011): The dynamics of groundwater table and salinity over 17 years in Khorezm. *Agricultural Water Management*, 101 (1): 52-61. doi: 10.1016/j.agwat.2011.09.002
- Vlek, P.L.G., J.P.A. Lamers, C. Martius, I. Rudenko, A. Manschadi, R. Eshchanov (2011): Cotton, water, salts and Soums – research and capacity building for decision-making in Khorezm, Uzbekistan. Pages 3-24 in: Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (2011): Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan. Springer. doi: 10.1007/978-94-007-1963-7_1
- Akramkhanov, A., R. Kuziev, R. Sommer, C. Martius, O. Forkutsa, L. Massucati (2011): Soils and soil ecology in Khorezm. Pages 37-58 in: Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (2011): Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan. Springer
- Ruecker, G., C. Conrad, N. Ibragimov, K. Kienzler, H. Ibrakhimov, C. Martius, J. Lamers (2011): Spatial distribution of cotton yield and its relationship to environmental, irrigation infrastructure and water management factors on a regional scale in Khorezm. Pages 59-68 in: Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (Eds.): Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan. Springer
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- Bobojonov, I., J.P.A. Lamers, N. Djanibekov, N. Ibragimov, T. Begdullaeva, A. Ergashev, K. Kienzler, R. Eshchanov, A. Rakhimov, J. Ruzimov, C. Martius (2011): Crop diversification in support of sustainable agriculture in Khorezm. Pages 219-233 in: Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (2011): Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan. Springer
- Scheer, C., A. Tupitsa, J.P.A. Lamers, M. Worbes, R. Wassman, C. Martius, P.L.G. Vlek (2011): Abundance of natural riparian forests (tugai) and tree plantations in the Amu Darya delta of Uzbekistan and their impact on emissions of soil-borne greenhouse gases. Pages 249-264 in: Martius, C., I. Rudenko, J.P.A. Lamers, P.L.G. Vlek (2011): Cotton, water, salts and Soums - economic and ecological restructuring in Khorezm, Uzbekistan. Springer
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