

## THE CITATION DETAILS OF RECENT PH.D. THESES COMPLETED BY ESSC MEMBERS

### **Alar ASTOVER (2007).**

Land use and soil management in Estonian agriculture during the transition from the Soviet period to the EU and its current optimization by the spatial agro-economic decision support system.

Ph.D. thesis, Estonian University of Life Sciences, Tartu (Estonia), 144 pp.

(ISBN: 978-9949-426-28-7).

(Abstract ESSC Newsletter 2005/2).

The full thesis is available on the web at:

[http://piksel.ee/emu/up\\_down/img/File/AstoverPhD.pdf](http://piksel.ee/emu/up_down/img/File/AstoverPhD.pdf)

### **Xiomara Del Carmen ABREU (2005).**

Evaluation of the effects of hydrological properties and management systems on the susceptibility on surface and mass erosion of stony soils in dryland vineyards of the Priorat region.

Ph.D. thesis, Universitat de Lleida, Catalonia (Spain).

(Abstract ESSC Newsletter 2005/2).

### **Hamid Reza ASGARI (2008).**

Wheat (*Triticum aestivum* L.) response to main soil degradation factors in semiarid area of Golestan Province, northern Iran.

Ph.D. thesis, Ghent University (Belgium), 154 pp.

(ISBN: 978-90-5989-252-1).

(Abstract ESSC Newsletter 2008/4).

### **Eugenija BAKŠIENĖ (2008).**

Application of lake sapropel for improving the fertility of light textured soils.

Dr Habilitatus procedure thesis, Voke Branch, The Lithuanian Institute of Agriculture (Lithuania), 30 pp.

(Abstract ESSC Newsletter 2009/1).

### **Ranjan BHAHATTACHARYYA (2009).**

Utilization of palm-mat geotextiles for soil conservation on arable loamy sands in the United Kingdom.

Ph.D. thesis, The University of Wolverhampton (UK), 326 pp.

(Abstract ESSC Newsletter 2010/1).

### **Elijah K. BIAMAH (2005).**

Coping with drought: Options for soil and water management in semi arid Kenya.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

(Abstract ESSC Newsletter 2005/2).

**Ferko BODNAR (2005).**

Monitoring for impact: Evaluating 20 years of soil and water conservation in southern Mali.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).  
(Abstract ESSC Newsletter 2006/1).

**Nienke A. BOUMA (2006).**

Rill initiation and development in relation to dynamic soil properties.

Ph.D. thesis, The University of Amsterdam (The Netherlands), 317 pp.  
(Abstract ESSC Newsletter 2006/2).

**Sophie COOPER (2007).**

The role of conservation soil management on soil and water protection at different spatial scales.

Ph.D. thesis, Cranfield University (UK), 306 pp.  
(Abstract ESSC Newsletter 2007/2).

**Kathy DAVIES (2005).**

The potential of palm (*Borassus*) mat geotextiles as a soil conservation technique.

Ph.D. portfolio (submitted posthumously), The University of Wolverhampton (UK), 160 pp.  
(Abstract ESSC Newsletter 2006/1).

**Sarah DE BAETS (2007).**

The effects of plant roots on rill and gully erosion: application to a Mediterranean ecosystem.

Ph.D. thesis, K.U.Leuven (Belgium), 274 pp.  
(ISBN: 978-90-8649-148-3).  
(Abstract ESSC Newsletter 2008/1).

**Katrien DESCHEEMAEKER (2006).**

Pedological and hydrological effects of vegetation restoration in exclosures established on degraded hillslopes in the highlands of Northern Ethiopia.

Ph.D. thesis, K.U.Leuven (Belgium), 350 pp.  
(Abstract ESSC Newsletter 2007/3).

**Peter FIENER (2004).**

Concept and effects of a multi-purpose grassed waterway: Long-term measuring and mathematical modelling of runoff reduction and sediment trapping.

Ph.D. thesis, The University of Cologne (Germany).  
(Abstract ESSC Newsletter 2004/2).

**Luuk FLESKENS (2007).**

Conservation scenarios for olive farming on sloping land in the Mediterranean .

Ph.D. thesis, Wageningen University (The Netherlands), 219 pp.

(ISBN: 978-90-8504-717-9).

(Abstract ESSC Newsletter 2009/1).

**Gwendolyn GYSSELS (2005).**

Impact of small grain roots on soil erosion by concentrated flow and implications for soil conservation.

Ph.D. thesis, Flemish Institute for the Promotion of Scientific-Technologic Research in Industry, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium).

(Abstract ESSC Newsletter 2005/1).

**Nigussie HAREGEWEYN (2006).**

Reservoir sedimentation in the North Ethiopian Highlands: assessment and modelling of controlling factors and impacts.

Ph.D. thesis, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium), 256 pp.

(Abstract ESSC Newsletter 2006/2).

**Aad KESSLER (2006).**

Moving people – towards collective action in soil and water conservation. Experiences from Bolivian mountain valleys.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands), 195 pp.

(ISBN: 90-8504-476-6).

(Abstract ESSC Newsletter 2007/1).

**Selamyihun KIDANU (2004).**

Using eucalyptus for soil and water conservation on the highland Vertisols of Ethiopia.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

(Abstract ESSC Newsletter 2004/2).

**Anke KNAPEN (2007).**

Spatial and temporal variability of the erosion resistance of loess-derived topsoils during concentrated runoff.

Ph.D. thesis, K.U.Leuven (Belgium), 242 pp.

(ISBN: 978-90-8649-113-1).

(Abstract ESSC Newsletter 2004/2).

**Jakolien K. LEENDERS (2006).**

Wind erosion control with scattered vegetation in the Sahelian zone of Burkina Faso.

Ph.D. thesis, The University of Wageningen (The Netherlands).

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**LI YONG Mei (2004).**

A generic protocol for an Integrated Land Information System in humid subtropical highlands: A case study in Yunnan Province, China.

Ph.D. thesis, The University of Wolverhampton (UK), 261 pp.

(Abstract ESSC Newsletter 2004/2).

**MAI VAN Trinh (2007).**

Soil erosion and nitrogen leaching in northern Vietnam: Experimentation and modelling.

Ph.D. thesis, Wageningen University (The Netherlands), 182 pp.

(ISBN: 90-8504-605X).

(Abstract ESSC Newsletter 2007/2).

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Regional research on factors influencing sustainable soil use.

Dr Habilitatus procedure thesis, Voke Branch, The Lithuanian Institute of Agriculture (Lithuania), 24 pp.

(Abstract ESSC Newsletter 2009/1).

**Barrack OKOBA (2005).**

Farmers' indicators for soil erosion mapping and crop yield estimation in central highlands of Kenya.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

(Abstract ESSC Newsletter 2005/2).

**Bezuayehu Tefera OLANA (2006).**

People and Dams: environmental and socio-economic changes induced by a reservoir in Fincha'a watershed, western Ethiopia.

Ph.D. thesis, The University of Wageningen (The Netherlands).

(Abstract ESSC Newsletter 2006/2).

**Elisée OUEEDRAOGO (2003).**

Soil quality improvement for crop production in semi-arid West Africa.  
Ph.D. thesis, Wageningen Agricultural University (The Netherlands).  
(Abstract ESSC Newsletter 2004/2).

**Helena POSTHUMUS (2005).**

Adoption of terraces in the Peruvian Andes.  
Ph.D. thesis, Wageningen Agricultural University (The Netherlands).  
(Abstract ESSC Newsletter 2006/1).

**Endla REINTAM (2006).**

Changes in soil properties, spring barley (*Hordeum vulgare L.*) and weed nutrition and community due to soil compaction and fertilization on sandy loam Stagnic Luvisols.  
Ph.D. thesis, Estonian University of Life Sciences, Tartu (Estonia), 160 pp.  
(ISBN: 13-978-9949-426-18-8; ISBN: 10-9949-426-18-9).  
(Abstract ESSC Newsletter 2007/1).

**Carlos Alberto RIOS (2008).**

Synthesis of zeolites from geological materials and industrial wastes for potential application in environmental problems.  
Ph.D. thesis, The University of Wolverhampton (UK), 233 pp.  
(Abstract ESSC Newsletter 2008/4).

**Michel J.P.M. RIKSEN (2006).**

Wind born(e) landscapes: The role of wind erosion in agricultural land management and nature development.  
Ph.D. thesis, The University of Wageningen (The Netherlands).  
(Abstract ESSC Newsletter 2006/2).

**Consuelo C. ROMERO (2005).**

A multi-scale approach for erosion assessment in the Andes.  
Ph.D. thesis, Wageningen Agricultural University (The Netherlands).  
(Abstract ESSC Newsletter 2005/2).

**Tom ROMMENS (2006).**

Holocene sediment dynamics in a small river catchment in central Belgium.  
Ph.D. thesis, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium), 236 pp.  
(ISBN: 90-8649-051-4).  
(Abstract ESSC Newsletter 2006/3).

**Greet RUYSSCHAERT (2006).**

Spatial and temporal variability of soil losses due to crop harvesting.

Ph.D. thesis, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium).

(Abstract ESSC Newsletter 2006/1).

**Toon SMETS (2009).**

Effectiveness of biological geotextiles in controlling runoff and soil erosion at a range of spatial scales.

Ph.D. thesis, Department of Earth and Environmental Sciences, Katholieke Universiteit Leuven, 3001 Heverlee, Leuven (Belgium), 270 pp.

(Abstract ESSC Newsletter 2009/4).

**Marc STALJANSSENS (2005).**

The critical pathway to sustainable development: from framework concept to conceptual framework.

Ph.D. thesis, Faculty of Agronomical Sciences of Gembloux (Belgium), 628 pp.

(Abstract ESSC Newsletter 2007/2).

**Monique F.W. SLEGGERS (2008).**

Exploring farmers' perceptions of drought in Tanzania and Ethiopia.

Ph.D. thesis, Wageningen University (The Netherlands), 217 pp.

(ISBN: 978-90-8585-240-7).

(Abstract ESSC Newsletter 2009/1).

**Madhu SUBEDI (2006).**

Effectiveness of an agricultural technology research and development project for increasing the sustainability of cropping systems in upland areas of Yunnan Province, China.

Ph.D. thesis, The University of Wolverhampton (UK), 375 pp.

(Abstract ESSC Newsletter 2006/1).

**Vahedberdi SHEIKH (2006).**

Soil moisture prediction: Bridging event and continuous runoff modelling.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands), 190 pp.

(ISBN: 90-8504-533-9).

(Abstract ESSC Newsletter 2007/1).

**Aklilu Amsalu TAYE (2006).**

Caring for the land: Best practices in soil and water conservation in Beressa watershed, highlands of Ethiopia.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands), 149 pp.

(ISBN: 90-8504-433).

(Abstract ESSC Newsletter 2007/1).

**Karim TRAORÉ (2006).**

Effects of soil amendments and drought on zinc husbandry and grain quality in Sahelian sorghum.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands), 162 pp.

(ISBN: 90-8504-437-5).

(Abstract ESSC Newsletter 2007/1).

**Miet VAN DEN EECKHAUT (2006).**

Spatial and temporal patterns of landslides in hilly regions – The Flemish Ardennes (Belgium).

Ph.D. thesis, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium), 250 pp.

(ISBN: 90-8649-010-7).

(Abstract ESSC Newsletter 2006/2).

**Annemarie VAN PAASSEN (2004).**

Bridging the gap: Computer model enhanced learning about natural resource management in Burkina Faso.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

(Abstract ESSC Newsletter 2004/2).

**Tom VANWALLEGHEM (2004).**

Environmental change and geomorphic response in old forests of the Loess Belt: the Meerdaal Forest case-study.

Ph.D. thesis, Physical and Regional Geography Research Group, Catholic University Leuven (Belgium).

(Abstract ESSC Newsletter 2005/1).

**Armando Molina VERDUGO (2007).**

Land use change, runoff and erosion in a degraded catchment in the Andes: determining pathways of degradation and recovery.

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(ISBN: 978-90-8649-150-6).

(Abstract ESSC Newsletter 2008/1).

**Fernando VISCONTI (2009).**

Development of a model to predict salt accumulation in agricultural irrigated soils under Mediterranean climate; application to the *Vega Baja del Segura* and *Bajo Vinalopó (Alicante)*.

Ph.D. thesis (in Spanish), Centro de Investigaciones sobre Desertificación-CIDE (CSIC/UEVG/GV), E-46470, Albal-Valencia (Spain), 309 pp.

(Abstract ESSC Newsletter 2009/4).

**Olga VIGIAK (2005).**

Modelling spatial patterns of erosion in the West Usambara Mountains of Tanzania.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

(Abstract ESSC Newsletter 2005/2).

**Saskia VISSER (2004).**

Modelling nutrient losses by wind and water erosion in northern Burkina Faso.

Ph.D. thesis, Wageningen Agricultural University (The Netherlands).

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**WAN Yusoff (2008).**

Effect of zeolites on soil characteristics, leaching and surface pollutant losses from soils of contrasting textures.

Ph.D. thesis, Lancaster University (UK), 195 pp.

(Abstract ESSC Newsletter 2009/2).

**ZU Yanqun (2008).**

Trace elements in soils and vegetables in a periurban market garden in Yunnan Province (P.R. China): evaluation and experimentation.

Ph.D. thesis, Gembloux Agricultural University (Belgium), 236 pp.

(Abstract ESSC Newsletter 2008/4).