

CURRICULUM VITAE – last five years

Professor Anders Malmer

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Swedish University of Agricultural Sciences, Faculty of Forest Sciences
Department of Forest Ecology and Management
SE 901 83 Umeå, Sweden

E-mail: Anders.Malmer@sek.slu.se

Education

Promotion to Professor: February 2008, in Tropical Forest Ecology and Management with special emphasis on Soil Science.

Docent (Associate Professor): October 1999, in soil science at the Faculty of Forestry of the Swedish University of Agricultural Science. Title of “Docent lecture”: Fire in tropical rainforests – causes and effects.

Positions

01/2001 – 02/2008 Lecturer at the Dept. of Forest Ecology, Umeå, Sweden.
02/2008 - Professor at the Dept. of Forest Ecology, Umeå, Sweden.
01/2002-08/2004 & 07/2005 - Deputy Head of Department.
09/2004-06/2005 Head of Department
06/1998- Node for Sweden in ETFRN ”European Tropical Forest Research Network”.
03/2000-01/2005 Member of the executive board of ETFRN.
02/2001- 03/2002 Vice Chair of ETFRN executive board
03/2002- 01/2006 Chair of ETFRN executive board
02/2001- 12/2003 Member of NOVA steering committee for developing countries
04/2001- 04/2004 Coordinator & board, Umeå Center for Tropical research & Education (UCTREE)
05/2001- Member of the steering committee for international issues for the Faculty of Forestry
01/2004- Associate Editor for *Ambio*, Royal Swedish Academy of Sciences
10/2005 – 12/2007 Member of Sida/SAREC reference group for the CGIAR system
11/2005- Part time visiting researcher at Center for International Forestry Research (CIFOR)
01/2009- Member st. comm.. “National res.network for sust. Agric. and forestry for development
01/2009- Member st. comm. “Swe. Netw. for forest, climate and poverty in dev. assistance”

Main supervisor for graduated PhD students (5)

Ulrik Ilstedt, examined PhD September 2002, Tesfay Teklay, examined PhD December 2005
(Both of these two thesis won Royal Swedish Academy of Agriculture and Forestry prize for best Soil Science thesis 2002 and 2005.)

Ylva Wård, examined Lic May 2007, Korodjouma Ouattara, examined PhD September 2007,
Zacharia Gnankambary, examined PhD December 2007.

Visiting researchers to my group

Professor Rafael Herrera, Max Plank Jena and IVIC Venezuela, August - December 2005
Professor Budi Setiawan, Bogor Agriculture University, Indonesia, October 2006 – January 2007
Dr Zhongjie Shi, Chinese Academy of Forestry, Guangzhou, China, August - September 2008

Activities with special reference to international exchange

My research is exclusively with research and capacity building in tropical developing countries since 1986. Leading research and capacity building project in Malaysia 1993-2001. Experience of participatory research methods during 3 years in Mexico, 1 year in the Philippines and during 3 years in Laos and Vietnam. Additional experiences from Indonesia, Thailand, Ethiopia, Kenya, Tanzania, Gabon, Burkina Faso and Costa Rica. Extensive contacts through key positions in networks (see above, ETFRN, NOVA, UCTREE). Since 2002 involved with CIFOR to increase activity in the field of “Forests and water”, and during 2005 - present visiting researcher at CIFOR for six months.

Selected publications during the last 5 years (next page)

Selected publications during the last 5 years (* Article in reviewed international journal or book.)

- *Gnankamary, Z., Ilstedt, U., Nyberg, G., Hien, V. and **Malmer, A.**, 2008. Nitrogen and phosphorus limitation of soil microbial respiration in tropical agroforestry parklands in the south-Sudanese zone of Burkina Faso: The effects of tree canopy and fertilization. *Soil Biology and Biochemistry*, 40: 350-359.
- *Gnankamary, Z., Bayala, J., Nyberg, G., Hien, V. and **Malmer, A.**, 2008. Decomposition and nutrient release from mixed plant litters of contrasting quality in an agroforestry parkland in the south-Sudanese zone of Burkina Faso. *Nutrient Cycling in Agroecosystems*, 82: 1-13.
- *Ilstedt, U., Giesler, R., Nordgren, A. and **Malmer, A.**, 2003. Changes in soil chemical and microbial properties after a wildfire in a tropical rainforest in Sabah, Malaysia. *Soil Biology and Biochemistry*, 35: 1071-1078.
- *Ilstedt, U., **Malmer, A.**, Nordgren, A. and Liau, P., 2004. Soil rehabilitation following tractor logging: early results on amendments and tilling in a second rotation *Acacia mangium* plantation in Sabah, Malaysia. *Forest Ecology and Management*, 194: 215-222.
- *Ilstedt, U., Nordgren, A. and **Malmer, A.**, 2006. Soil chemical and microbial properties after disturbance by crawler tractors in a Malaysian forest plantation. *Forest Ecology and Management*, 225: 313-319.
- Ilstedt, U., **Malmer, A.**, Verbeeten, E., and Murdiyarsa, D., 2006. Infiltration change after forest disturbance and conversion to other land uses in the tropics: a systematic review. Paper for presentation at international conference on "Forest and water in a changing environment" in Beijing, China, August 8-10, 2006.
- *Ilstedt, U., **Malmer, A.**, Verbeeten, E., and Murdiyarsa, D., 2007. Infiltration change after afforestation with forest plantations in the tropics: a systematic review. *Forest Ecology and Management*, *Forest Ecology and Management*, 251: 45-51.
- * **Malmer, A.**, 2004. Stream Water Quality as Affected by Wild Fires in Different Vegetation Types in Malaysian Borneo. *Hydrological Processes*, 18: 853-864.
- Malmer, A.**, 2005. Groundwater and deforestation – do we need the trees?. In: *Groundwater under threat. The Swedish Research Council FORMAS*, Stockholm, pp. 85-90.
- ***Malmer, A.**, Van Noordwijk, M. and Bruijnzeel, L.A., 2005. Effects of shifting cultivation and forest fires. In: M. Bonell and L.A. Bruijnzeel (eds.), *Forests – Water – People in the humid tropics: Past, present and future hydrological research for integrated land and water management*, Cambridge University Press, pp 533-560.
- Malmer A.**, 2007. General Ecologic Features of miombo woodlands and considerations for utilization and management. *Working Papers of the Finnish Forest Research Institute*, 50: 34-42.
- Malmer, A.** and Nyberg, G., 2008. Forest and water relations in miombo woodlands: need for understanding of complex stand management. *Working Papers of the Finnish Forest Research Institute*, 98: 70-86.
- *Ouattara, K., Ouattara, B., Nyberg, G., Sedogo, M.P. and **Malmer, A.**, 2007. Ploughing frequency and compost application effects on soil infiltrability in a cotton-maize (*Gossypium hirsutum* – *Zea mays* L.) rotation system on a Ferric Luvisol and a Ferric Lixisol in Burkina Faso. *Soil and Tillage Research*, *Soil Tillage Research*, 95: 288-297.
- *Ouattara, K., Ouattara, B., Nyberg, G., Sedogo, M.P. and **Malmer, A.** 2008. Effects of ploughing frequency, compost and mineral fertilizer applications on soil aggregate stability in a Cotton-Maize (*Gossypium hirsutum*-*Zea mays* L.) rotation system in Burkina Faso. *Soil Use and Management*, 24: 19-28.
- *Teklay, T. and **Malmer, A.**, 2004. Decomposition of leaves from two indigenous trees of contrasting qualities under shaded-coffee and agricultural land-uses during the dry season at Wondo Genet, Ethiopia. *Soil Biology and Biochemistry*, 36: 777-786.
- *Teklay, T., Nordgren, A. and **Malmer, A.**, 2006. Soil respiration characteristics of tropical soils from agricultural and forestry land-uses at Wondo Genet (Ethiopia) in response to C,N, and P amendments. *Soil Biology and Biochemistry*, 38: 125-133.
- *Teklay, T., Nordgren, A., Nyberg, G. And **Malmer, A.**, 2006. Carbon mineralization of leaves from four Ethiopian agroforestry species under laboratory and field conditions. *Applied Soil Ecology*, 35(1): 193-202
- *Teklay, T., Nyberg, G. and **Malmer, A.**, 2006. Effects of organic inputs from agroforestry species and urea on crop yield and soil properties at Wondo Genet, Ethiopia. *Nutrient Cycling in Agroecosystems*, 75: 163-173.
- *Wård, Y., **Malmer, A.** and Asbjornsen, H., 2009. Fire regime in Tropical Montane Cloud Forests in the Chimalapas area of Oaxaca, Southern Mexico. In: *Mountains in the mist*, J. Juvik & L.A. Bruijnzeel (eds), University of Cambridge Press, *in press*.

