**Dr. Lea Wittenberg  (Israel)**

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Biography:

Lea Wittenberg is a senior lecturer in the Department of Geography and Environmental Studies, The University of Haifa, Israel.  In recent years her main research interests is forest fires effects on vegetation-soil erosion dynamics in the Mediterranean.

Recent publications:
Wittenberg, L, Kutiel, H., Greenbaum, N. and ,Inbar, M. (2007) Short-term changes in the magnitude, frequency and temporal distribution of floods in the Eastern Mediterranean region during the last 45 years - Nahal Oren, Mt. Carmel, Israel. Geomorphology 84: 181-191.

Malkinson, D. and Wittenberg, L. (2007) Scaling the effects of riparian vegetation on cross-sectional characteristics of ephemeral mountain streams—a case study of Nahal Oren, Mt. Carmel, Israel. Catena 69: 103-110.

 Wittenberg, L., Laronne, J.B. and Newson, M.D. (2007) Bed clusters in humid perennial and Mediterranean ephemeral gravel-bed streams: the effect of clast size and bed material sorting. Journal of Hydrology 334 (3-4): 312-318.

Wittenberg, L., Malkinson, D., Beeri, O., Tesler, N. and Halutzy, A. (2007) Spatial and temporal patterns of vegetation recovery following sequences of forest fires in a Mediterranean landscape, Mt. Camel Israel. Catena 71: 76-83.

Tessler, N., Wittenberg, L., Malkinson D., and Greenbaum, N., 2008.  Fire effects and short-term changes in soil water repellency – Mt. Carmel, Israel. Catena 74: 185-191.

Mataix-Solera, J., V. Arcenegui, C. Guerrero, M.M. Jordán, P. Dlapa, N. Tessler, L. Wittenberg.  (2008) Can terra rossa become water repellent by burning? A laboratory approach. Geoderma 147: 178-184.

Wittenberg, L. and Inbar, M. (2009) The role of Fire Disturbance on Runoff and Erosion Processes – a Long-Term Approach, Mt. Carmel Case Study, Israel. Geographical Research 47(1): 46-56.

Wittenberg, L. and Malkinson, D. (2009) Spatio-temporal perspectives of forest fires regimes in a maturing Mediterranean mixed pine landscape. European Journal of Forest research 128: 297-304.

Arbel, Y., Greenbaum, N., Lange, J., Shtober-Zisu, N., Grodekd, T., Wittenberg, L. and Inbar, M. (2009) Hydrologic classification of cave drips in Mediterranean climate based on hydrograph separation and infiltration mechanisms. Israel Journal of Earth Sciences 57: 291-301.

Van Leeuwen, W.J.D., Casady, G., Neary, D., Bautista Aguilar, S., Alloza, J.A., Carmel, Y., Wittenberg, L. and Malkinson, D. and   Orr, B. (2010) Monitoring post wildfire vegetation recovery with remotely sensed time-series data in Spain, USA and Israel. International Journal of Wildland Fires 19:75-93.

Malkinson, D. and Wittenberg, L. (2011) Post fire induced soil water repellency – modeling short and long-term processes. Geomorphology  125:186-192.

Malkinson, D. and Wittenberg, L. (2011) Effects of repeated fires on the structure, composition, and dynamics of Mediterranean maquis: Short- and long-term perspectives. Ecosystems 14(3):578-488.