

- ABUSAADA MJ (2011) Flow dynamics and management options in stressed carbonate aquifer system, the Western Aquifer Basin, Palestine. *Fakultät für Geowissenschaften und Geographie, University of Göttingen*. Supervised by Sauter M and Ptak T, <http://nbn-resolving.de/urn:nbn:de:gbv:7-webdoc-3030-6>.
- ARGAMAN E (2007) A new methodology to estimate potential and actual evapotranspiration in the Upper Jordan River Basin. *Department of Geography and Environmental Development, Ben-Gurion University of the Negev*. Supervised by Ben-Asher J and Blumberg D.
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- HAREL D (2009) Effects of climate change on germination strategies of annuals along rainfall gradient in Israel. *Department of Molecular Biology and Ecology of Plants, Tel Aviv University* Supervised by Sternberg M.

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- JIN F (2011) Climate changes in future atmospheric moisture fields over the Middle-East based on regional climate modeling. *Department of Geophysics and Planetary Sciences, Tel Aviv University*. Supervised by Alpert P.
- JÜSCHKE E (2009) Effluent irrigation and agricultural soils effects on the dynamics of organic carbon and microbial activity in agricultural soils in Israel. *Department of Geography, Ruhr-University Bochum*. Supervised by Marschner B and Chen Y.
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- NAVON Y (2007) Plant litter decomposition in natural ecosystems under climate change: an experimental approach along a climatic gradient in Israel. *Department of Molecular Biology and Ecology of Plants, Tel Aviv University* Supervised by Sternberg M.

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<http://primage.tau.ac.il/libraries/theses/exeng/free/2079562.pdf>.
- PALATNIK R (2008) Analysis of the impact of economic incentives to control greenhouse gas emissions within the framework of a general equilibrium model of the Israeli economy. *Department of Natural Resource and Environmental Management (NRERC), Haifa University*. Supervised by Shechter M,
<http://lib.haifa.ac.il/theses/general/001456124.pdf>.
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<http://nbn-resolving.de/urn:nbn:de:bsz:21-opus-22861>.
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<http://nbn-resolving.de/urn:nbn:de:gbv:089-5668667221>.
- SAPIR J (2008) The effect of global warming on the changes in vegetation density around Yatir Forest from 1945 to 2005. *Department of Geography and Environmental Development, Ben-Gurion University of the Negev*. Supervised by Ben-Asher J and Blumberg D.
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ZWIKEL S (2005) Spatial patterns of soil properties that affect water regime (rainfall – overland flow relationships) in ecogeomorphic systems, along a climatic transect, from the Galilee Mountains to the Negev Highlands. *Dept. of Geography and Environmental Studies, Bar-Ilan University*. Supervised by Lavee H and Sarah P.



- EBERHART A (2006) Do siblings avoid each other? An empirical test of the sibling competition hypothesis along a steep climatic gradient. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- FISCHER C (2007) Hydrological modeling of the Water Resources in the Nahal Harod, Israel. *Department of Hydrology, University of Freiburg*. Supervised by Lange J and Leibundgut C, http://www.hydrology.uni-freiburg.de/abschluss/Fischer_C_2007_DA.pdf, accessed: 24.07.2012.
- GIEBL B (2008) Klimaszenarien und historische Extreme im Jordan-Einzugsgebiet. *Department of Hydrology, University of Freiburg*. Supervised by Lange J, http://www.hydrology.uni-freiburg.de/abschluss/Giebl_B_2008_DA.pdf, accessed: 24.07.2012.
- HARTMANN A (2008) Process-based modelling of karst springs in Mt. Hermon, Israel. *Department of Hydrology, University of Freiburg*. Supervised by Weiler M and Lange J, http://www.hydrology.uni-freiburg.de/abschluss/Hartmann_A_2008_DA.pdf, accessed: 24.07.2012.
- KOHN I (2008) Wasserhaushaltsmodellierung zur Abschätzung der Perkolations in einem gebirgigen Einzugsgebiet im östlichen Mittelmeerraum - Nahal Oren, Karmel, Israel. *Department of Hydrology, University of Freiburg*. Supervised by Lange J.
- KRIER R (2007) Niederschlagsradar Daten zur Regionalisierung von Klimaparametern. *Department of Hydrology, University of Freiburg*. Supervised by Leibundgut C and Lange J, www.hydrology.uni-freiburg.de/abschluss/Krier_R_2007_DA.pdf, accessed: 24.07.2012.
- LUTZ M-T (2011) The economic value of mesic mediterranean landscape under global climate change: a case study in the Jordan River basin. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- MATHAJ M (2007) Modellierung von Vegetationsentwicklung und Erosion entlang eines Klimagradienten von mediterran bis semiarid. *Biochemistry and Biology, University of Potsdam*. Supervised by Köchy M, <http://nbn-resolving.de/urn:nbn:de:kobv:517-opus-27863>.
- NACHREINER J (2004) Reproductive allocation and other life-history traits of annual plants along a climatic gradient in Israel. *Biochemistry and Biology, University of Potsdam*. Supervised by Tielbörger K and Jeltsch F.
- SCHIFFERS K (2003) Interactions of annual plants: empirical investigations along a climatic gradient in Israel. *Biochemistry and Biology, University of Potsdam*. Supervised by Tielbörger K and Jeltsch F.
- SCHÜTZ T (2006) Prozessbasierte Niederschlags-Abflussmodellierung in einem mediterranen Kleineinzugsgebiet, Nahal Anabe, Israel. *Department of Hydrology, University of Freiburg*. Supervised by Leibundgut C and Lange J, www.hydrology.uni-freiburg.de/abschluss/Schuetz_T_2006_DA.pdf, accessed: 26.07.2012.

SIEWERT W (2008) The dispersal dormancy trade-off in annual plants: putting model predictions to the test. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.

WIESENDANGER C (2007) Ereignis-basierte Datenkorrektur der Radarniederschlagsmessung – eine Anwendung im Einzugsgebiet des Unteren Jordans. *Department of Hydrology, University of Freiburg*. Supervised by Leibundgut C and Lange J, http://www.hydrology.uni-freiburg.de/abschluss/Wiesendanger_C_2007_DA.pdf, accessed: 26.07.2012.

- ABDEL-KAREEM SS (2005) GIS-Based hydrological modeling of semiarid catchments (The case of Faria Catchment). *Water and Environmental Studies Institute (WESI), An-Najah National University*. Supervised by Shaheen HQ and Jayyousi AF.
- ABEER K (2010) Developing Rainwater Harvesting Strategy as a Tool for Drought Mitigation. *Faculty of Graduate Studie, The University of Jordan*. Supervised by Al-Karablieh E and Salman A.
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- ABU-BAKIR M (2007) Wastewater characteristics and the impact of its use in irrigation on soil: The case of Faria Catchment. *Water and Environmental Studies Institute (WESI), An-Najah National University*. Supervised by Almasri M.
- ABU-JALBOUSH AIS (2008) Ecological Investigations on the Terrestrial Biodiversity in the Northern Part of the West Bank (Jenin Area). *Department of Biology, Faculty of science and technology, Al-Quds University*. Supervised by Saleh A and Ali-Shtayeh MS.
- ADSEROL O (2006) Maternal effect in annual plants. *Dept. of Plant Ecology, University of Tübingen, ERASMUS programme*. Supervised by Tielbörger K and Oran S.
- ALI H (2010) Optimum Water Allocation in Al-Azraq basin using WEAP system. *Faculty of Graduate Studies, The University of Jordan*. Supervised by Salman A and Al-Karablieh E.
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- BARNEA I (2009) Reexamination of phosphorus fertilizing practices in the altered wetland soils of Hula Valley, Israel. *Department of Soil and Water Sciences, Hebrew University of Jerusalem*. Supervised by Shenker M and Litaor I.

- BASSAT K (2004) Model internal variability in regional climates simulations over Israel. *Department of Geophysics and Planetary Sciences, Tel Aviv University*. Supervised by Krichak SO and Alpert P.
- BEN-ISHAI O (2006) Variation in flowering patterns of *Asphodelus ramosus* along a rainfall gradient. *Faculty for Agriculture, Food and Environment, Hebrew University of Jerusalem*. Supervised by Kigel J.
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- KANAS D (2007) Sex ratio changes in *Sarcopoterium spinosum* (L.) spach: an experimental approach along a rainfall gradient in Israel. *Department of Molecular Biology and Ecology of Plants, Tel Aviv University* Supervised by Sternberg M.
- KHATATNEH A (aaa2010 - please check entry for mistakes and add the department) Water production in the north western Mujib catchment area. *Mu'tah University*. Supervised by Oroud IM.
- KROTMAN Y (2004) Biodiversity and community structure of Jordan system fishes and their relationship to the habitat structure and anthropogenic impact. *Tel Aviv University*. Supervised by Dayan T.
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- NAOR R (2011) The impact of the Red-Sea Dead-Sea canal on the Dead-Sea area climate and on the evaporation in Sdom. *Porter School, Tel Aviv University*. Supervised by Alpert P and Potchter O.
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- YOSEF Y (2007) Rainfall quantity and distribution trends in Israel as a function of daily rainfall 1950/1- 2003/4. *Department of Geophysics and Planetary Sciences, Tel Aviv University*. Supervised by Alpert P and Saaroni H.
- ZIV I (2012) Dew projections to the 21st Century. *Department of Geophysical, Atmospheric and Planetary Sciences, Tel Aviv University*. Supervised by Alpert P.

- BAUMEISTER A (2006) Auswirkung von Abwasser-Beregnung auf Huminstoffe und Bodenatmung einer Avokadoplantage Israels. *Department for Soil Science and Soil Ecology, Ruhr-University Bochum*. Supervised by Marschner B.
- BEAUMONT R (2007) The adaptations in germination and life-history traits of annual plant species from different rainfall conditions. *Department of Vegetation Ecology, University of Tübingen, ERASMUS programme*. Supervised by Tielbörger K.
- BECK S (2008) Gene flow and genetic diversity along a steep rainfall gradient in Israel. *Department of Vegetation Ecology, University of Tübingen, ERASMUS programme*. Supervised by Tielbörger K.
- BEN-MEIR Y (2009) Effects of TWW irrigation on sandy soils. *Department of Soil and Water Sciences, Hebrew University of Jerusalem*. Supervised by Chen Y.
- HOFFMANN Y (2010) Hydrophobicity of desert soils induced by plant residues. *Department of Soil and Water Sciences, Hebrew University of Jerusalem*. Supervised by Chen Y.
- KUGLER D (2011) Der Effekt von Regenmanipulationsexperimenten auf das Keimungsverhalten von mediterranen Pflanzen. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- LAASER T (ongoing) Does facilitation promote persistence of maladapted ecotype in stressful environments? - A test with dryland annuals. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- LECHNER N (ongoing) Phenology shifts in annual plants - Distinguishing between plastic response and genetic changes. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- MÜLLER G (2010) Adaptation to positive interactions in *Crithopsis delileana*. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- SCHMID M (2011) Determining the water use efficiency of three plant species after 9 years of rain manipulation in Israel using the carbon isotope composition. *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.
- WEBER B (2011) Intraspezifische Unterschiede in *Linum strictum* und *Linum corymbulosum* nach neun Jahren Niederschlagsmanipulation? *Department of Plant Ecology, University of Tübingen*. Supervised by Tielbörger K.