רמת הנדיב
Ramat Hanadiv رمات هنديف

RAMAT HANADIV RESEARCH: SCIENTIFIC PUBLICATIONS 2000-2020

Peer-reviewed articles

TITLE	**REFERENCE**	YEAR	TOPIC	LINK TO ARTICLE
When the winners are the losers: Invasive alien bird species outcompete the native winners in the biotic homogenization process	**Colléony, A., & Shwartz, A.** (2020). *Biological Conservation*, *241*, 108314	2020	Bird community, Invasive species	https://doi.org/10.1016/j.biocon.2019.108314
Measurement-based investigation of ozone deposition to vegetation under the effects of coastal and photochemical air pollution in the Eastern Mediterranean	**Li, Q. et al**. / *Science of Total Environment* (2020) 645: 1579-1597	2020	Air pollution	https://doi.org/10.1016/j.scitotenv.2018.07.037
Meta-analysis of multidecadal biodiversity trends in Europe	**Pilotto, F., et al.**/*Nature Communications* (2020) 11(1):3486	2020	LTER, biodiversity	https://doi.org/10.1038/s41467-020-17171
Increased songbird nest depredation due to Aleppo pine (*Pinus halepensis*) encroachment in Mediterranean shrubland	**Ben-David, A.**, et al. *BMC ecology*, 2019, 19.1: 52.	2019	Wildlife, Invasive species	https://link.springer.com/article/10.1186/s12898-019-0270-8
Innate ability of goats to sense and avoid ingestion of noxious insects while feeding.	**Berman, T. S., et al., (2019)** Royal Society open science, 6(2), 181078.	2019	Plant-animal interactions	https://royalsocietypublishing.org/doi/full/10.1098/rsos.181078

Goats adjust their feeding behaviour to avoid the ingestion of different insect species.	**Berman, T. S., et al., (2019),** *Canadian Journal of Zoology, 97(9), 805-811.*	2019	Plant-animal interactions	https://cdnsciencepub.com/doi/abs/10.1139/cjz-2019-0010#.Xk-XamjXLIV
Weighting the effects of spatial cognition and activity anchors on time-space activity	**Grinberger, A.Y.** / *The Professional Geographer* (2019) 71(1):52-64	2019	Visitors, Socio-ecology	https://doi.org/10.1080/00330124.2018.1455523
Volatiles and Tannins in Pistacia lentiscus and Their Role in Browsing Behavior of Goats (*Capra hircus)*	**Navon, S., et al.** / *Journal of Chemical Ecology* (2019) 46(1):99-113	2019	Grazing management/ Natural vegetation	https://doi.org/10.1007/s10886-019-01124-x
Differential drought resistance strategies of co-existing woodland species enduring the long rainless Eastern Mediterranean summer	**Väänänen, P. J. et al.** / *Tree Physiology* (2019) 40(3):305-320	2019	Plant Eco physiology	https://doi.org/10.1093/treephys/tpz130
Opportunity costs of alternative management options in a protected nature park: The case of Ramat Hanadiv, Israel	**Divinski, I., et al.** / *Land Use Policy* (2017) 71: 494-504	2018	Land Use policy	https://doi.org/10.1016/j.landusepol.2017.11.015
Higher rates of decomposition in standing vs. surface litter in a Mediterranean ecosystem during the dry and the wet seasons	**Gliksman, D. et al.** / *Plant and Soil* (2018) 428: 427–439	2018	Biogeochemistry	https://doi.org/10.1007/s11104-018-3696-4
Initial evaluation of willow (*Salix acmophylla*) irrigated with treated wastewater as a fodder crop for dairy goats	**Muklada, H. et al.** / *Small Ruminant Res.* (2018) 163: 76–83	2018	Sustainability, water waste management	https://doi.org/10.1016/j.smallrumres.2017.10.013
Increased mammal nocturnality in agricultural landscapes results in fragmentation due to cascading effects	**Shamoon, H. et al**. / *Biological Conservation* (2018) 226:32-41	2018	Wildlife	https://doi.org/10.1016/j.biocon.2018.07.028

Visitor trampling impacts on soil and vegetation: the case study of Ramat Hanadiv Park, Israel.	**Bar, P. (2017)** *Israel Journal of Plant Sciences*, *64*(1-2), 145-161.	2017	Visitors	https://doi.org/10.1080/07929978.2016.1267507
Grazing and temporal turnover in herbaceous communities in a Mediterranean landscape	**Bar-Massada, A. & Hadar, L.** (2017) *Journal of Vegetation Science*, *28*(2), 270-280	2017	Grazing & plant diversity	https://doi.org/10.1111/jvs.12489
How goats avoid ingesting noxious insects while feeding.	**Berman, T. S., et al., (2017)** *Scientific reports, 7(1), 1-10.*	2017	Plant-animal interactions	https://www.nature.com/articles/s41598-017-14940-6
Adaptive management at the Ramat Hanadiv Nature Park, Israel: Expectations vs. Reality in a dry Mediterranean ecosystem.	Hadar, L., & Perevolotsky, A.**, (2017).** 6th Symposium for Research in Protected Areas 2 to 3 November 2017, Salzburg pages 201 – 204	2017	Adaptive management	http://www.parcs.at/npa/pdf_public/2018/36330_20180524_085723_058_Hadar_FINAL_4p_pag.pdf
A comparative framework for assessing sustainability initiatives at the regional scale	**Orenstein, D. E., & Shach-Pinsley, D.** (2017) *World Development*, *98*, 245-256.	2017	Socio-ecology	https://doi.org/10.1016/j.worlddev.2017.04.030
Fine-scale temporal and spatial population fluctuations of medium sized carnivores in a Mediterranean agricultural matrix	**Shamoon, H. et al.** / *Landscape Ecology* (2017) 32:1243–1256	2017	Wildlife	https://link.springer.com/article/10.1007/s10980-017-0517-8
Cattle grazing effects on mountain gazelles in Mediterranean natural landscapes	**Shamoon, H.,** et al. (2017). *The Journal of Wildlife Management*, *81*(8), 1351-1362.	2017	Wildlife	https://doi.org/10.1002/jwmg.21323
Targeted grazing of milk thistle (*Silybum marianum*) and Syrian thistle (*Notobasis syriaca*) by goats: Preference following preconditioning, generational transfer, and toxicity.	**Arviv, A., et al., (2016).** *Applied Animal Behaviour Science*, *179*, 53-59.	2016	Grazing management	https://www.sciencedirect.com/science/article/abs/pii/S0168159116300685?via%3Dihub

The response of Mediterranean herbaceous community to soil disturbance by native wild boars.	**Dovrat, G., et al.** (2014) *Plant ecology*, 215(5), 531-541.	2014	Wildlife; Plant-animal interactions	https://doi.org/10.1007/s11258-014-0321-3
Grazing management aimed at producing landscape mosaics to restore and enhance biodiversity in Mediterranean ecosystems	**Glasser, T.A. & Hadar, L.** Options Méditerranéennes (2014) 109:437-452	2014	Grazing management	Link to article
Do phytoliths play an antiherbivory role in southwest Asian Asteraceae species and to what extent?	**Katz, O.,** et al., (2014) *Flora-Morphology, Distribution, Functional Ecology of Plants*, *209*(7), 349-358.	2014	Plant ecology	https://doi.org/10.1016/j.flora.2014.03.010
Between Phoenicia and Judaea: Preliminary Results of the 2007–2010 Excavation Seasons at Horvat 'Eleq, Ramat Ha-Nadiv, Israel.	**Peleg-Barkat, O., and Tepper, Y.** (2014). *Strata: The Bulletin of the Anglo-Israel Archaeological Society* 32: 49-80.	2014	Archaeology	
Plasticity and variability in the patterns of phytolith formation in Asteraceae species along a large rainfall gradient in Israel	**Katz, O., et al.** (2013). *Flora-Morphology, Distribution, Functional Ecology of Plants*, *208*(7), 438-444.	2013	Plant ecology	https://doi.org/10.1016/j.flora.2013.07.005
A framework for systematic conservation planning and management of Mediterranean landscapes	**Levin, N., et al.** / Biological Conservation (2013) 158:371–383	2013	Conservation planning	https://doi.org/10.1016/j.biocon.2012.08.032
Automated segmentation of vegetation structure units in a Mediterranean landscape	**Bar Massada, A. et al**./ *International Journal of Remote Sensing* (2012) 33(2):346-364	2012	Remote sensing	https://doi.org/10.1080/01431161.2010.532173
Automated segmentation of vegetation structure units in a Mediterranean landscape	**Bar Massada, A., et al.** / International Journal of Remote Sensing (2012) 33:2, 346-364	2012	Remote sensing	http://dx.doi.org/10.1080/01431161.2010.532173

Woody vegetation patch types affect herbaceous species richness and composition in a Mediterranean ecosystem	**Blank, L., & Carmel, Y**./ *Community Ecology* (2012) 13(1):72-81	2012	Plant ecology	https://doi.org/10.1556/ComEc.13.2012.1.9
Wild boars as seed dispersal agents of exotic plants from agricultural lands to conservation areas	**Dovrat, G.,** et al. / Journal of Arid Environments (2012) 78:49-54	2012	Wildlife	https://doi.org/10.1016/j.jaridenv.2011.11.011
Goat farming and landscape management: from controlled research to controlled grazing	**Glasser, T. A., et al.** / In: Animal farming and environmental interactions in the Mediterranean region (2012) 131: 677, pp 89-95; EAAP – Wageningen Academic Publishers, Wageningen	2012	Grazing management	https://doi.org/10.3920/978-90-8686-741-7_10
Foraging selectivity of three goat breeds in a Mediterranean shrubland	**Glasser, T.A. et al.** / *Small Ruminant Research* (2012) 102 (1): 7-12	2012	Grazing management	https://doi.org/10.1016/j.smallrumres.2011.09.009
Recreation as an ecosystem service in open landscapes in the Mediterranean region in Israel: Public preferences	**Koniak, G. et al./** *Israel Journal of Ecology & Evolution* (2011) 57:1-2, 151-171	2011	Visitors, Socio-ecology	https://www.tandfonline.com/doi/abs/10.1560/IJEE.57.1-2.151
Modelling dynamics of ecosystem services basket in Mediterranean landscapes: a tool for rational management	**Koniak, G., et al./** *Landscape Ecol*ogy (2011) 26 (1):109–124	2011	Management & ecosystem services	https://doi.org/10.1007/s10980-010-9540-8
Ground spider communities in experimentally disturbed Mediterranean woodland habitats	**Lubin, Y., et al./** *Arachnologische Mitteilungen* (2011) 40:85-93	2011	Wildlife & Management	https://arages.de/10.5431/aramit4010
Colonization of Pinus halepensis in Mediterranean habitats: consequences of afforestation, grazing and fire	**Osem, Y., et al./** *Biological Invasions* (2011) 13(2):485-498	2011	Vegetation, Invasive species	https://link.springer.com/article/10.1007%2Fs10530-010-9843-3

Geophytes–herbivore interactions: reproduction and population dynamics of Anemone coronaria L.	**Perevolotsky, A. et al.** / Plant Ecol (2011) 212 (4):563–571	2011	Plant ecology, Grazing	https://europepmc.org/article/agr/ind44515024
Atmospheric water vapor as driver of litter decomposition in Mediterranean shrubland and grassland during rainless seasons	**Dirks, I., et al. /** *Global Change Biology* (2010) 16: 2799–2812	2010	Biogeochemistry, Climate change	https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2486.2010.02172.x
How much browse is available for goats that graze Mediterranean woodlands?	**Evlagon, D., et al.** / *Small Ruminant Research* (2010) 94 (1-3):103-108	2010	Grazing management	https://doi.org/10.1016/j.smallrumres.2010.07.008
No Major Role for Binding by Salivary Proteins as a Defense Against Dietary Tannins in Mediterranean Goats	**Hanovice-Ziony, M. et al**. / *Journal of Chemical Ecology* (2010) 36:736–743	2010	Grazing management	https://link.springer.com/article/10.1007/s10886-010-9809-z
Recreation as an ecosystem service in open landscapes in the Mediterranean region in Israel: Public preferences	**Koniak, G. et al.** / *Israel Journal of Ecology and Evolution* (2010) 57(1):151-171	2010	Visitors, Socio-ecology	https://doi.org/10.1560/IJEE.57.1-2.151
The effects of disturbance-based management on the dynamics of Mediterranean vegetation: A hierarchical and spatially explicit modeling approach	**Bar Massada, A. et al. /** Ecological Modelling (2009) 22 0(19): 2525-2535	2009	Vegetation management, Modelling	https://doi.org/10.1016/j.ecolmodel.2009.06.002
Breed and maternal effects on the intake of tannin-rich browse by juvenile domestic goats (*Capra hircus*)	**Glasser, T.A. et al.** / *Applied Animal Behaviour Science* (2009) 119:71–77	2009	Grazing management	https://doi.org/10.1016/j.applanim.2009.02.028
The effect of polyethylene glycol on browsing behaviour of beef cattle in a tanniferous shrubby Mediterranean range	**Henkin, Z. et al.** / *Livestock Science* 126 (2009) 245–251	2009	Grazing management	https://doi.org/10.1016/j.livsci.2009.07.008

A hierarchical, multi-scale, management-responsive model of Mediterranean vegetation dynamics	**Koniak, G. & Noy-Meir, I.** / *Ecological Modelling* (2009) 220 (8):1148–1158	2009	Vegetation management, Modelling	https://doi.org/10.1016/j.ecolmodel.2009.01.036
Estimating multiple benefits from vegetation in Mediterranean ecosystems	**Koniak, G. et al.** / *Biodiversity and Conservation* (2009) 18(13):3483-3501	2009	Management & ecosystem services	https://link.springer.com/article/10.1007%2Fs10531-009-9656-9
Roe deer and decapitated Anemone flowers	**Wallach, A.D. et al**./ *Israel Journal of Plant Sciences* (2009) 57(1):103-106	2009	Wildlife	https://brill.com/view/journals/ijps/57/1-2/article-p103_10.xml?lang=en
Quantifying the effect of grazing and shrub-clearing on small scale spatial pattern of vegetation	**Bar Massada, A., et al.** / *Landscape Ecology* (2008) 23(3):327-339	2008	Vegetation management & biodiversity	https://doi.org/10.1007/s10980-007-9189-0
Landscape mosaic for enhancing biodiversity: On what scale and how to maintain it?	**Gabbay, O., et al.** / *Options Méditerranéennes* (2008) 79: 45-49	2008	Vegetation management & biodiversity	https://agris.fao.org/agris-search/search.do?recordID=QC2008600080
A fecal NIRS-aided methodology to determine goat dietary composition in a Mediterranean shrubland	**Glasser, T.A., et al.** / *Journal of Animal Science* (2008) 86:1345–1356	2008	Grazing management	http://jas.fass.org
Note: The Role of Seasonality and Climatic Factors in Shaping the Community Composition of Mediterranean Butterflies	**Schwartz-Tzachor, R., et al.** / Israel Journal of Ecology and Evolution (2008) 54(1):105-110	2008	Wildlife	https://doi.org/10.1560/IJEE.54.1.105
Livestock grazing and biodiversity conservation in Mediterranean environments: The Israeli experience	**Perevolotsky, A.** / *Options Méditerranéennes*, Series A, No. 67\AGRIS (2007) 67: 51-56	2007	Grazing management & biodiversity	https://agris.fao.org/agris-search/search.do?recordID=QC2006600019
Quantitative and qualitative monitoring of diet by analysis of NIR spectra of goat faeces: A preliminary study.	**Glasser, T., et al. (2005).** *Options Mediterraneennes, Series A, Seminaires Mediterraneens, 67*, 339.	2005	Grazing management/goat diet	https://www.researchgate.net/publication/237571535_Quantitative_and_qualitative_monitoring_of_diet_by_analysis_of_NIR_spectra_of_goat_faeces_A_preliminary_study

Fecal NIRS prediction of dietary protein percentage and in vitro dry matter digestibility in diets ingested by goats in Mediterranean scrubland	**Landau, S., et.al** / *Small Ruminant Research* (2005) 59:251–263	2005	Grazing management/goat diet	https://doi.org/10.1016/j.smallrumres.2005.05.009
Estimating water use by sclerophyllous species under east Mediterranean climate: II. The transpiration of *Quercus calliprinos* Webb. in response to silvicultural treatments	**Schiller, G. et al.** / *Forest Ecology and Management* (2003) 179 (1-3): 483-495	2003	Plant eco-physiology	https://doi.org/10.1016/S0378-1127(02)00536-4
Estimating the water use of a sclerophyllous species under an East-Mediterranean climate: I. Response of transpiration of *Phillyrea latifolia* L. to site factors	**Schiller, G. et al.** / *Forest Ecology and Management* (2002) 170 (1–3):117-126	2002	Plant eco-physiology	https://www.sciencedirect.com/science/article/abs/pii/S037811270100785X
Scale-dependent effects of fuel break management on herbaceous community diversity in a Mediterranean garrigue	**Hadar, L., et al.** / *Journal of Mediterranean Ecology* (2000) 1: 237-248	2000	Grazing management & biodiversity	

BOOKS:

***Perevolotsky, A**. (2019). Agriculture and Ecology – Can Harmony be Found? Perspectives on agroecology from Israel and Abroad*. The Israel Society of Ecology and Environmental Sciences, Tel Aviv. *(Hebrew).*

***Glasser, T.A. & Hadar, L**. (2016). Goat Grazing in the Mediterranean Shrubland: Research and Application*. Ramat Hanadiv *(Hebrew).*

***Perevolotsky, A**. (2013). Conserving and Managing Mediterranean Ecosystems: The Ramat Hanadiv Case Study and Beyond. Zichron Ya'akov: Ramat Hanadiv. (367 pp.) (Hebrew).*

***Tepper, Y., and Peleg-Barkat, O.,** (2009). Horvat 'Eleq (Khirbet Umm el-'Alek) at Ramat Hanadiv. Preliminary Report of the 2000-2005 Seasons. Ramat Hanadiv, The Hebrew University of Jerusalem (Hebrew).*