רמת הנדיב
Ramat Hanadiv رمات هنديف

RAMAT HANADIV RESEARCH: SCIENTIFIC PUBLICATIONS 2000-2022

Peer-reviewed articles

	TITLE	**REFERENCE**	YEAR	TOPIC	LINK TO ARTICLE
1					
2	Wild boars' foraging and risk perception — variation among urban, natural, and agricultural areas	Davidson, A., Malkinson, D., & Shanas, U. (2022). *Journal of Mammalogy*.	2022	Hunan-wildlife interactions, wild boars.	https://academic.oup.com/jmammal/advance-article-abstract/doi/10.1093/jmammal/gyac014/6554119
3	Do boars compensate for hunting with higher reproductive hormones?	Davidson, A., Malkinson, D., Schonblum, A., Koren, L., & Shanas, U. (2021). *Conservation physiology*, 9(1), coab068.	2022	Hunan-wildlife interactions, wild boars.	https://academic.oup.com/conphys/article/9/1/coab068/6363660?login=true
4	The association of arable weeds with modern wild cereal habitats: Implications for reconstructing the origins of plant cultivation in the Levant.	Weide, A., Hodgson, J. G., Leschner, H., Dovrat, G., Whitlam, J., Manela, N., ... & Bogaard, A. (2021). *Environmental Archaeology*, 1-16.	2021	Agro-ecology, Archaeology; Agriculture.	https://www.tandfonline.com/doi/abs/10.1080/14614103.2021.1882715
5	Envisioning future landscapes: A data-based visualization model for ecosystems under alternative management scenarios	**Hadar, L.,** Orenstein, D. E., Carmel, Y., Mulder, J., Kirchhoff, A., Perevolotsky, A., & Osem, Y. (2021). *Landscape and Urban Planning*, *215*, 104214.	2021	Science communication, data-based visualization	https://www.sciencedirect.com/science/article/abs/pii/S0169204621001778
6	COVID-19 related travel restrictions prevented numerous wildlife deaths	Bíl, M., Andrášik, R., Cícha, V., **Arnon, A.,** Kruuse, M., Langbein, J., ... & Seiler, A.	2021	Wildlife, Roadkill,	https://doi.org/10.1016/j.biocon.2021.109076

	on roads: A comparative analysis of results from 11 countries	(2021). *Biological Conservation*, 256, 109076.		Ecological corridors.	
7	Ensiling willow (Salix acmophylla) fodder modifies the contents of plant specialized metabolites, but not nutritional attributes	**Muklada, H.,** Davidovich-Rikanati, R., Awabdeh, S., Weinberg, Z. G., Hen, Y., Deutch, T., ... **& Landau, S.** Y. (2021). *Animal Feed Science and Technology*, 115019.	2021	Sustainability, goat diet & health	https://doi.org/10.1016/j.anifeedsci.2021.115019
8	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
9	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
10	The effect of willow fodder feeding on immune cell populations in the blood and milk of late-lactating dairy goats.	**Muklada, H.** et al., (2020). Animal 14(12), pp. 2511-252.	2020	Sustainability, goat diet & health	https://doi.org/10.1017/S1751731120001494
11	Meta-analysis of multidecadal biodiversity trends in Europe	**Pilotto, F., …. Hadar, L.,** 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
13	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

14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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

23	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
24	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
25	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
26	Milk composition in Damascus, Mamber and F1 Alpine crossbred goats under grazing or confinement management	**Hadayaa, O., et al.,** (2017). *Small Ruminant Research*. 2017. (153) 31-40.	2017	Goat diet & health	https://doi.org/10.1016/j.smallrumres.2017.04.002
27	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
28	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
29	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
30	Milk fat globule size, phospholipid contents and composition of milk from purebred and Alpine-crossbred Mid-Eastern goats under confinement or grazing condition.	**Argov-Argaman** et al., (2016). *Intl. Dairy J*. 2016. Pp.1-7	2016	Goat diet & health	https://doi.org/10.1016/j.idairyj.2015.12.003
31	Targeted grazing of milk thistle (*Silybum marianum*) and Syrian thistle (*Notobasis syriaca*) by goats:	**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

	Preference following preconditioning, generational transfer, and toxicity.				
32	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
33	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
34	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
35	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	
36	Self-medication with tannin-rich browse in goats infected with gastro-intestinal nematodes.	**Amit, M.,** et al., (2013), *Vet. Parasitology* 198: 305-311.	2013	Goat diet & health	https://doi.org/10.1016/j.vetpar.2013.09.019
37	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
38	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
39	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

40	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
41	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
42	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
43	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
44	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
45	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
46	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

47	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
48	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
49	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
50	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
51	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
52	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
53	Why do many galls have conspicuous colors? A new hypothesis. *Arthropod-Plant Interactions* 4: 1-6.	**Inbar, M.,** et al., (2010)	2010	Plant-animal interactions	https://link.springer.com/article/10.1007/s11829-009-9082-7
54	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
55	The effects of disturbance-based management on the dynamics of Mediterranean vegetation: A	**Bar Massada, A. et al. /** Ecological Modelling (2009) 220(19): 2525-2535	2009	Vegetation management, Modelling	https://doi.org/10.1016/j.ecolmodel.2009.06.002

	hierarchical and spatially explicit modeling approach				
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	A Multi-source Portable LED Spectrofluorometer.	Obeidat, S.M. et al., (2008). *Applied Spectroscopy*. 62: 3, 327-332.	2008	Innovative technology, management	https://www.osapublishing.org/as/abstract.cfm?uri=as-62-3-327

65	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
66	Monitoring diet composition and quality of ranging goats by faecal NIRS.	**Glasser, T., et al., (2007).** *Options Méditerranéennes (A), 74: 243-248*	2007	Goat diet	http://om.ciheam.org/article.php?IDPDF=800386
67	Application of multi-way data analysis on excitation-emission spectra for plant identification.	Obeidat S.M., et al. (2007); *Talanta*. 72(2): 682-690.	2007	Innovative technology, management	https://doi.org/10.1016/j.talanta.2006.11.045
68	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
69	Monitoring nutrition in small ruminants with the aid of near infrared spectroscopy (NIRS) technology: A review.	**Landau, S., (2006),** *Small Ruminant Research.* 61:1-11.	2006	Goat diet, technology.	https://doi.org/10.1016/j.smallrumres.2004.12.012
70	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
71	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
72	Faecal NIRS to monitor the diet of Mediterranean goats.	**Landau, S.,** et al., (2004) *S.Afr.J.Anim.Sci*. 34(5):76-80.	2004	goat diet	
73	Estimating water use by sclerophyllous species under east Mediterranean climate: II. The	**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

	transpiration of *Quercus calliprinos* Webb. in response to silvicultural treatments				
74	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
75	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	https://journals.co.za/content/sajas/34/5/EJC94394#abstract_content

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).*

***Articles and book chapters in Hebrew are not included in this list.**