

NAME Rivka Rabinovich
Affiliation: The Fredy & Nadine Herrmann Institute of Earth Sciences,
The Hebrew University of Jerusalem
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EDUCATION

- 1984, B.A. of Archaeology and Geography (majors in Prehistory and Physical Geography), the Hebrew University, Jerusalem.
- 1988, MA. in Archaeology - Prehistory, the Hebrew University, Jerusalem. Thesis title: *A Taphonomic study of a Mousterian site, Biqu't Quneitra*, supervised by Prof. N. Goren-Inbar, *Cum Laude*.
- 1998, Ph.D, the Hebrew University of Jerusalem. Doctoral thesis: *Patterns of Animal exploitation and subsistence in Israel during the Upper Palaeolithic and Epi-Palaeolithic (40,000-12,500 BP), based upon selected case studies*, supervised by Prof. E. Tchernov and Prof. O. Bar-Yosef.
- 1999-2000, Post doctorate at the Natural History Museum, London, Dept. of Palaeontology, with Andrew Currant, Curator of Fossil Mammals.
- 2004-2007, M.A in Management of Nonprofit and Community Organizations. The Hebrew University, Jerusalem.

APPOINTMENTS

- 1987-1992 - Teaching assistant of courses in Paleontology, Comparative Skeletal Anatomy and Introduction to Zoology.
- 1988-1992 - Research assistant.
- 2008-to date - Senior Lecturer at the Institute of Archaeology, Institute of Earth Sciences and director and curator at the National Natural History Collections of the Hebrew University (<http://nnhc.huji.ac.il/>).

Hebrew University:

2008-2012 –Lecturer at the Institute of Archaeology, Institute of Earth Sciences and director and curator at the National Natural History Collections of the Hebrew University.

2013-Senior lecturer

Administrative appointments (Hebrew U and others)

2008- to date – Director and curator of the comparative recent mammal and bird collections, paleontological and archaeozoological collections. Numerous researchers

visit the collections each year of which I am the curator-scientist, some of them have returned to continue their research on constant bases. A list of each year visitors appears on Haasiana: <http://nnhc.huji.ac.il/>.

2014-to date – Member in the committee of researchers travel approvals.

Other Institutions

1984-1987 – Assistant curator at the Israel Museum, Division of Prehistory.

1992 - Visiting Lecturer at Department of Archaeology, Ben-Gurion University of the Negev, Beer-Sheva, Israel. Courses: Introduction to Archaeozoology; The end of the Pleistocene in the southern Levant.

2004 - Visiting Lecturer at the Department of Archaeology, Ben-Gurion University of the Negev, Beer-Sheva, Israel. Course: Introduction to Archaeozoology.

2013-2014 - Visiting Researcher at the National Natural History Museum, London

SELECTED PROFESSIONAL ACTIVITY

Editing per reviewed articles to several journals such as: Journal of Human Evolution, Journal of Archaeological Science, Quaternary International, Current Anthropology, Geoarchaeology. Reviewing ISF, GIF grants. Reading MSc, MA and doctoral thesis.

TEACHING- general field and/or courses names if wishes

Introduction to Paleontology; Introduction to archaeozoology; Microscopic-Taphonomy; Selected topics in archaeozoology Elephants and people. MA seminar in Archaeology-Geology (with Dr. L. Grosman).

LIST OF PUBLICATION

BOOKS

Rabinovich, R., Gaudzinski-Windheuser, S., Kindler, L. and Goren-Inbar, N. 2012. *The Acheulian site of Gesher Benot Ya'akov Vol. III: Mammalian Taphonomy - The Assemblages of Layers V-5 and V-6*. Vertebrate Paleobiology and Paleoanthropology series. Springer, New York. Pp. 1-269.

JOURNAL ARTICLES:

Goren-Inbar, N., Rabinovich, R. and Weinstein, J. 1987. Cut marks on a bone from Biqu't Quneitra. *Journal of the Israel Prehistoric Society* 20: 136*- 143*.

Davis, S., Rabinovich, R., Goren-Inbar, N. 1988. Quaternary extinctions and population increase in Western Asia: the animal remains from Biqu't Quneitra. *Paléorient* 14/1: 95- 105.

Rabinovich, R. 1989. Taphonomy and its significance in prehistoric research a case study from Biqu't Quneitra. *Journal of the Israel Prehistoric Society* 22: 141* -144*.

Rabinovich, R. and Horwitz, L.K. 1989. Patterns of damage on bones, its importance to archaeology. *Archaeologia* 2: 55 - 64 (Hebrew, English summary).

- Goren-Inbar, N., Belitzky, S., Goren, Y., Rabinovich, R. and Saragusti, I. 1992. Geshar Benot Ya'aqov - the "Bar": An Acheulian Assemblage. *Geoarchaeology*, 7/1: 27-40.
- Cope, C., Horwitz, L. K., and Rabinovich, R. 1992. Morphological differences between gazelle (*Gazella gazella*) and fallow deer (*Dama mesopotamica*). *Israel Journal of Zoology*.
- Rabinovich, R. and Nadel, D.(PI) 1994. The bone tools assemblage from Ohallo II. *Journal of the Israel Prehistoric Society* 26: 32-63.
- Le Mort, F. and Rabinovich, R. 1994. The taphonomic aspect of funeral practices in the Chalcolithic period in Israel, a case study. *Paléorient*, 20/1:69-98.
- Rabinovich, R., Bar-Yosef, O. and Tchernov, E. 1997. "How many ways to skin a gazelle" - butchery patterns from an Upper Palaeolithic site, Hayonim cave, Israel. *Archaeozoologia* VIII/1, 2 (N 15/16): 11-52.
- Manor, M., Rabinovich, R. and Horwitz, L. K. 1997. Diachronic changes in urban diet: the historical periods at Bet She'an, Israel. *Archaeozoologia* VIII/1, 2 (N 15/16): 89-104.
- Valla, F., Khalaily, H., Samuelian, N., Bocquentin, F., Delage, Ch., Valentin, B., Plisson, H., Rabinovich, R. and Belfer-Cohen, A. 1998. Le Natoufien final et les nouvelles fouilles a Mallaha (Eynan), Israel, 1996-1997. *Journal of the Israel Prehistoric Society* 28: 105-176.
- Rabinovich, R. 1998. Response: Mousterian Large mammal remains from Kobeh Cave by C.W. Marean and S. Y. Kim. *Current Anthropology* 39: 345-347.
- Marder, O., Khalaily, H., Gvirtzman, M., Rabinovich, R., Saragusti I., and Porat, N. 1999. The Lower Palaeolithic site of Revadim. *Journal of the Israel Prehistoric Society* 28: 21-53.
- Gvirtzman, G., Weider, M., Marder, O., Khalaily, H., Rabinovich, R. and Ron, H. 1999. Geological and pedological aspects of an early-Paleolithic site: Revadim, central coastal plain, Israel. *Geoarchaeology* 14/2: 101-126.
- Rink, W.J., Schwarcz, H.P., Lee, H.K., Rees-Jones J., Rabinovich, R., and Hovers, E. 2001. Electron Spin Resonance (ESR) and Mass Spectrometric Uranium Series (MSUS) Dating of Teeth in Middle Palaeolithic layers at Amud Cave, Israel. *Geoarchaeology* 16/6: 701-717.
- Valla, R. F., Khalaily, H., Samuelian, N., March, R., Bocquentin, F., Valentin, B., Marder, O., Rabinovich, R., Le Dosseur, G., Dubreuil, L. and Belfer-Cohen, A. 2001. Le Natoufien final de Mallaha (Eynan), deuxième rapport préliminaire: le fouilles de 1998 et 1999. *Journal of the Israel Prehistoric Society* 31: 43-184.
- Sharon, G., Feibel, C.G., Belitzky, S., Marder, O., Khalaily, H., and Rabinovich, R. 2002. The drainage destruction at Geshar Benot Ya'aqoov 1999: archaeological and geological implications. *Eretz Zaphon, Atiqot*, 1*-19*.
- Nadel, D., Tsatskin, A., Bar-Yosef Mayer, D., Belmaker, M., Kislev, M.E., Rabinovich, R., Simmons, T., Weiss, U., Zohar, I., Asfur, O., Emmer, G., Ghraiev, T., Grinberg, U., Halabi, H., Weissbrod, L., Zaidner, Y. 2003. The Ohalo II 2001 Seasons of excavation: A preliminary report. *Journal of the Israel Prehistoric Society* 33: 9-36.
- Rabinovich, R and Hovers, E. 2004. Faunal analysis from Amud Cave: preliminary results and interpretations. *International Journal of Osteoarchaeology* 14: 287-306. (0.802;22/50; 14)
- Valla, F.R.,Khalaily, H., Valladas, H., Tisnérat-Laborde, N., Samuelian, N., Bocquentin, F., Rabinovich, R., Bridault, A., Le Dosseur, G., Rosen, A., Dubreuil, L., Bar-Yosef, D., Belfer-Cohen, A. 2004. Les fouilles de Mallaha en 2000 et 2001; 3eme rapport préliminaire. *Journal of the Israel Prehistoric Society* 34: 49-244.
- 28.** Nadel, D., Tsatskin A., Belmaker, M., Boaretto, E., Mordechai, K., Mienis, H., Rabinovich, R., Simchoni, O., Simmons, T., Weiss, E. and Zohar, I. 2004. On the shore of a

- fluctuating lake: Environmental evidence from Ohalo II (19,500 B.P). *Israel Journal of Earth Science* 53: 1-17.
- Rabinovich, R., Bar-Yosef, O., Vandermeersch, B., and Horwitz, L.K. 2004. Hominid-carnivore interactions in the Paleolithic site of Qafzeh Cave, Israel. *Revue de Paléobiologie (Muséum d'histoire naturelle de Genève)* 23(2): 627-637.
- Ashkenazi, S., Motro, U., Goren-Inbar, N., Biton, R., Rabinovich, R., 2005. New morphometric parameters for assessment of body size in the fossil freshwater crab assemblage from the Acheulian site of Gesher Benot Ya'aqov, Israel. *Journal of Archaeological Science* 32: 675-689.
- Valla, R.F., Khalaily, H., Valladas, H., G., Regev, L., Chu, V., Weiner, S., Boaretto, E., Samuelian, N., Valentin, B., Delerue, S., Poupeau, G., Bridault, A., Rabinovich, R., Simmons, T., Zohar, I., Ashkenazi, S., Delgado Huertas, A., Spiro, B., Mienis, H.K., Rosen, A.M., Porat, N., Belfer-Cohen, A., 2007. Les Fouilles de Ain Mallaha (Eynan) de 2003 à 2005: Quatrième Rapport Préliminaire. *Journal of the Israel Prehistoric Society* 37: 135–379.
- Marder, O., Goring-Morris, A. N., Khalaily, H., Milevski, I. and Rabinovich, R. 2007. Tzur Natan, A new PPNA site in the central region of the southern Levant. *Paléorient* 33(2): 79-100.
- Shahack-Gross, R., Ayalon, A., Goldberg, P., Goren, Y., Ofek, B., Rabinovich, R. and Hovers, E. 2008. Formation processes of cemented features in Karstic cave sites revealed using stable oxygen and carbon isotopic analyses: a case study at Middle Paleolithic Amud Cave, Israel. *Geoarchaeology* 23: 43-62.
- Rabinovich, R., Gaudzinski-Windheuser, S., and Goren-Inbar, N. 2008. Systematic butchering of fallow deer (*Dama*) at the early Middle Pleistocene Acheulian site of Gesher Benot Ya'aqov (Israel). *Journal of Human Evolution* 54: 134-149.
- Alperson-Afil, N., Sharon, G., Kislev, M., Melamed, Y., Zohar, I., Ashkenazi, S., Rabinovich, R., Biton, R., Werker, E., Hartman, G., Feibel, C., Goren-Inbar, N. 2009. Spatial organization of hominin activities at Gesher Benot Ya'aqov, Israel. *Science* 326: 1677-1680.
- Sharon, G., Feibel, C., Harlavan, Y., Feraud, G., Ashkenazi, S., and Alperson-Afil, N., Rabinovich, R. 2010. New Evidence for the Northern Dead Sea Rift Acheulian. *PaleoAnthropology*, 79-99.
- Gaudzinski-Windheuser, S., Kindler, L., Rabinovich, R., Goren-Inbar, N., 2010. Testing heterogeneity in faunal assemblages from archaeological sites. Tumbling and trampling experiments at the early-Middle Pleistocene site of Gesher Benot Ya'aqov (Israel). *Journal of Archaeological Science* 37, 3170-3190. (1.710;12/76; 2)
- Sharon, G., Grosman, L., Fluck, H., Melamed, Y., Rak, Y., Rabinovich, R. and Oron, M. 2010. The First Two Excavation Seasons at NMO: A Mousterian Site at the Bank of the Jordan River. *Eurasian Prehistory* 7(1): 135-157.
- Rabinovich, R., Biton, R. 2011. The Early–Middle Pleistocene faunal assemblages of Gesher Benot Ya'aqov—inter site variability. *Journal of Human Evolution* 60: 357–374.(3.843;2/76; 1)
- Martínez-Navarro, B.(PI), Rabinovich, R.(PI) 2011. The fossil Bovidae (Artiodactyla, Mammalia) from Gesher Benot Ya'aqov, Israel: Out of Africa during the Early-Middle Pleistocene transition. *Journal of Human Evolution*, 60: 375–386. (3.843;2/76; 2)

- Marder, O., Malinsky-Buller, A., Shahack-Gross, R., Ackermann, O., Ayalon, A., Bar-Matthews, M., Goldsmith, Y., Inbar, M., Rabinovich, R., Hovers, E. 2011. Archaeological Horizons and Fluvial Processes at the Lower Paleolithic Open-air Site of Revadim (Israel). *Journal of Human Evolution* 60: 508-522.
- Ashkenazy, H., Rabinovich, R., Belfer-Cohen, A. 2012. Natufian Bone-Tools from Nahal Oren, Mt. Carmel, Israel. *Paléorient* 37.2: 189-199.
- Rabinovich, R., Ackermann, O., Aladjem, E., Barkai, R., Biton, R., Milevski, I., Solodenko, N., Marder, O. 2012. Elephants at the Middle Pleistocene Acheulian Open-Air Site of Revadim Quarry, Israel. *Quaternary International* 276-277: 183-197.
- Beiner, G. G., Rabinovich, R. 2013. An elephant task conservation of elephant remains from Revadim Quarry, Israel. *Journal of the Institute of Conservation* 36(1): 53-64.
- Biton, R., Geffen, E., Vences, M., Cohen, O., Bailon, S., Rabinovich, R., Malka, Y., Oron, T., Boistel, R., Brumfeld, V., Gafny, S. 2013. The rediscovered Hula painted frog is a living fossil. *NATURE COMMUNICATIONS* | 4:1959 | DOI: 10.1038/ncomms2959 | www.nature.com/naturecommunications
- Huchet, J.-B., Le Mort, F., Rabinovich, R., Blau, S., Coqueugnot, H. and Arensburg, B. 2013. Identification of dermestid pupal chambers on Southern Levant human bones: inference for reconstruction of Middle Bronze Age mortuary practices. *Journal of Archaeological Science*, 40: 3793-3803.
- Beiner, G. G., Rabinovich, R., 2014. Bones and sediments: part of a synergetic continuum. *Journal of Paleontological Techniques*, xx: 1-10
- Rabinovich R., Ginat Hanan, Schudack Michael, S. Schudack, U, Ashkenazi-Polivoda S., Rogolsky G. 2015. A Late Cretaceous Elasmosaurid of the Tethys Sea Margins (Southern Negev, Israel), and its Palaeogeographic Reconstruction. *Netherlands Journal of Geosciences*.94(1): 73-96.
- Beiner, G. G., Lavi, M., Seri, H., Rossin, A., Lev O., Gun, J. and Rabinovich, R. in press. Oddy Tests: Adding the Analytical Dimension. *Collections Forum*.
- Valla, R.F., Khalaily, H., Samuelian, N., Bocquentin, F., Bridault, A. and Rabinovich, R. submitted. Eynan (Ain Mallaha). In: Y. Enzel And O. Bar-Yosef (eds.), *Quaternary of The Levant*. Cambridge University Press.
- Rabinovich, R. submitted. The archaeozoological record in a changing environment of the Late Middle to the Late Pleistocene. In Y. Enzel And O. Bar-Yosef (eds.), *Quaternary of The Levant*. Cambridge University Press.
- López-Antoñanzas, R., Gutkin, V., Rabinovich, R., Calvo, R. and Grossman, A. submitted. A transitional gundi (Rodentia: Ctenodactylidae) from the Miocene of Israel. *PlosOne*.

BOOK CHAPTERS:

- Rabinovich, R. 1990. Taphonomic research on the faunal assemblage from the Quneitra site. In: Naama Goren-Inbar (ed.) *Quneitra an open air Mousterian site in the Golan Heights*. Qadem 31, pp. 189-219.
- Rabinovich, R. and L.K. Horwitz. 1994. An experimental approach to the study of porcupine damage to bones. In: M. Patou-Mathis (ed.), *Outillage peu élaboré en os et bois de Cervidés IV: taphonomie/bone modification* 8. Treignes: Éditions du Centre d'études et de documentation (*Artefacts* 9). pp. 97-11
- Rabinovich, R. 1998. Taphonomical aspects of the recent excavations at El-Wad. In: M. Weistein-Evron (ed.) *Early Natufian el-Wad Revisited*. Eraul 77. pp. 199-224

Le Mort, F., and Rabinovich, R. 2002. The taphonomic aspect of mortuary site of Kissufim Road Israel. In Y. Goren and P. Fabian (eds.): *A Chalcolithic Mortuary Site at Kissufim Road, Israel*. Jerusalem, *Israel Antiquities Authority (IAA Reports Monograph Series No. 4)*. pp. 66-81.

Rabinovich, R. 2003. The Levantine Upper Palaeolithic faunal record. In. N. Goring-Morris and A. Belfer-Cohen (eds.): *'More than Meets the Eye: Studies on Upper Palaeolithic Diversity in the Near East'*. Oxbow Books, Oxford. pp. 33-48.

CONFERENCE PAPERS AND ABSTRACTS (not essential)

2000, April: The 5th Meeting of the ASWA working group of ICAZ, Irbid, Jordan.

Lecture Title: Man versus carnivores in the Middle-Upper Paleolithic of the southern Levant

2002, The 9th International Conference of the International Council for Archaeozoology (ICAZ), Durham, UK.

Lectures Titles:

1. Methodical butchery patterns from the Acheulian site of Gesher Benot Ya'aqov (OIS 19, Israel)

2. Amud Cave – a different Neanderthal occupation?

2002, September, The 6th Meeting of the ASWA working group of ICAZ, London, UK.

Lecture Title: Broken mammal bones: taphonomy and food sharing at the Ohalo II.

2004, April. The 7th Meeting of the ASWA working group of ICAZ, Ankara, Turkey

Lecture Title: Sedimentological methods applied in taphonomical research, a case study, the Acheulian site of Gesher Benot Ya'aqov, Israel. R. Rabinovich, R. Biton, U. Motro.

2005, September, 2nd World of Elephants Congress, Hot Springs, South Dakota

Lecture Title: Taphonomy of elephants from the Lower Paleolithic site of Revadim Quarry (Israel). R. Rabinovich, G. Kahila Bar-Gal and O. Marder.

2006, Lyon, VIII Meeting of the ASWA working group of ICAZ, Lyon, France.

Lectures Titles:

1. Taphonomy of elephants – how much do we know? Case study- Lower Paleolithic site of Revadim Quarry (Israel). R, Rabinovich and O. Marder

2. Human activities, site location, chronological position and taphonomy process: a relevant combination for understanding the fauna of Eynan/Ain Mallaha, Level Ib (Final Natufian, Israel)? Bridault, A., Rabinovich, R. and Simmons, T.

2008, Human-Animal Interactions in the Circum Mediterranean Area: Interdisciplinary Approach of Zoonotic Diseases, Jerusalem.

Lecture Title: Cave occupation – a trap for infestation?

2009, Climate change in The Upper Jordan Valley between ca. 800 and 700 ka ago – its impact on the environment and hominins and its potential as a prediction for future scenarios, Jerusalem.

Lecture Titles:

1. The Early-Middle Pleistocene Faunal Assemblages of Gesher Benot Ya'aqov – Taphonomy and Paleoenvironment. Rabinovich, R. and Biton, R..

2. The Fossil Bovidae (*Artiodactyla*, *Mammalia*) from Gesher Benot Ya'aqov, Israel. Martinez-Navarro, B., Universitat Rovira i Virgili and Rabinovich, R.

2009, The Natufian Culture in the Levant II, Paris.

Lecture Title: New insight on the animal resource exploitation at the Final Natufian site of Eynan (Israel). Bridault, A. CNRS Nanterre, France and Rabinovich, R.

2009, ASOR (The American Schools of Oriental Research), New Orleans, USA.

Lecture Title: Aspects of Faunal Exploitation from the Final Natufian Site of Eynan (Israel). Rabinovich, R. and Ann Bridault, CNRS Nanterre, France.

2010, 11th International conference of Archaeozoology, Paris.

Lecture Titles:

How many elephants are there – comparative taphonomy of the straight-tusked elephant. Rabinovich, R.

Taphonomic processes in lake margin environments-micro-vertebrates remains at Geshar Benot Ya'akov (Area A), Israel – a case study. Goldstein, M., Rabinovich, R., Biton, R.

2010, Le-Puy-en Velay, The Vth International Conference on mammoths and their relatives, France.

Lecture Title: Biology and taphonomy of the straight-tusked elephant from the Southern Levant, as a possible key to its disappearance.

2012, Tel Hai College, Upper Galilee, Israel, Opportunities, Problems and Future Directions in the Study of Open-Air Middle Paleolithic Sites, Israel Science Foundation Workshop (International):

Lecture Title: "Taphonomy First" - Middle Paleolithic open-air vs. cave site fauna – expectations and reality . Rabinovich, R and Biton, R.

2013, The 4th Triennial Mosasaur Meeting in Dallas, USA.

Lecture Title: Late Cretaceous Marine Reptile on the Tethys Sea Margins (Southern Negev, Israel), and its Palaeogeographic Reconstruction.

2013, 11th International ASWA Meeting, ICAZ Working Group - Archaeozoology of Southwestern Asia and Adjacent Areas Haifa.

Lecture Title: To be or not to be a Levantine Aurignacian - Aves exploitation at Hayonim Cave (Layer D). Simmons, T., Belfer-Cohen, A., Bar-Yosef, O. and Rabinovich, R.

2014, Pan-European Correlation of the Triassic 11th International Field Workshop NW Gondwana margin of the Neo-Tethys (Negev, southern Israel),

Lecture – Guided tour at the Paleontological collection.

2014, VIth International Conference on Mammoths and their Relatives, Grevena - Siatista, Greece.

Lecture Title. "Nativity" in the bone-bearing beds of Bethlehem - taxonomy and taphonomy of the elephant remains. Rabinovich, R. and Lister, A.

2014, The 74th annual meeting Society of Vertebrate Paleontology, Berlin.

Lecture Title: Newly discovered Miocene proboscideans in the southern Levant. Rabinovich, R., Grossman, A., Ginat, H., Avni, Y., Calvo, R

Poster Title: The rodent fauna from the Rotem Basin (early Miocene of Israel): African, Asian, both, or neither? López-Antoñanzas, R., Gutkin, V., Rabinovich, R., Calvo, R., Grossman, A.