

CURRICULUM VITAE

Leore Grosman

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2. HIGHER EDUCATION

- 1985 - 1992 B.A. at The Hebrew University, Archaeology, Egyptology and Mathematics.
- 1992 - 1998 M.A. at The Hebrew University, Prehistoric Archaeology.
- 1998 - 2005 Ph.D. (*Summa cum Laude*) at The Hebrew University, in Prehistoric Archaeology, supervisors: Prof. Belfer-Cohen and Prof. Sharon
- 2006 - 2009 Post-doctoral fellowship at Weizmann Institute of Science, Department of Physics of Complex Systems. Host: Prof. Smilansky

3. APPOINTMENTS AT THE HEBREW UNIVERSITY OF JERUSALEM

- 1995 - 1996 Adjunct Lecturer in Archaeology, Rehovot campus
- 1992 - 2005 Teaching Assistant and Adjunct Lecturer, Institute of Archaeology
- 2005 Adjunct Lecturer at the Rothberg International School
- 2002 - 2009 Adjunct Lecturer at the School of Life Sciences
- 2006 - 2010 Adjunct Lecturer at the Institute of Archaeology
- 2010 - 2011 Researcher at 3-D laboratory, Institute of Archaeology
- 2011 - 2015 Senior Lecturer, Institute of Archaeology
- 2016 - 2020 Associate Professor, Institute of Archaeology, The Hebrew University
- 2021 - present Full Professor, Institute of Archaeology, The Hebrew University

4. ADDITIONAL FUNCTIONS AT THE HEBREW UNIVERSITY OF JERUSALEM

- 2012 – 2015 Member of the committee of Avnei-Pina program
- 2013 – 2016 Head of the Geo-Archaeological study program (jointly with R. Rabinovich)
- 2013 – present Member of the committee for Information Technology at the Faculty of Humanities
- 2010 – present Member of the PhD committee at the Institute of Archaeology
- 2010 - present Head of the Computational Archaeology Laboratory
- 2013 - 2020 Head of the Prehistory section, Institute of Archaeology
- 2016 - 2019 Co-director of Mandel Scholion Interdisciplinary Research group “The Material for Change”, including co-organizer of international conference, Extra-Ordinary: Unique and Common Artifacts as Social Actors”

- 2019 - 2021 Vice dean for research affairs, Faculty of Humanities

DIRECTOR OF HUJI EXCAVATIONS

Site	Role	Year
Hilazon Tachtit Cave, Galilee, Israel	Director	1997-2008
Survey at Hatula, the Judean Shefela, Israel.	Co-director with Prof. N. Goren-Inbar	2004
Kramim Golan Heights, Israel	Director	2006
Survey and Excavation at Kaizer site Judean Hill.	Co-director with Prof. N. Goren-Inbar	2007-2009
Nahal Ein Gev II, Galilee, Israel	Director	2010-ongoing
Nahal Zihor, Neolithic site	Director	2017-ongoing
Ein Gev IV	Director	2017-ongoing

5. SERVICE IN OTHER ACADEMIC AND RESEARCH INSTITUTIONS

- 2015 Sept.-Jan. Visiting scholar at the Interdisciplinary Center for Scientific Computing (IWR), Heidelberg University.
- 2018 Sept. Visiting scholar at The Catalan Institute of Human Paleocology and Social Evolution (IPHES), Tarragona, Spain.
- 2019 April Visiting scholar at the department of Anthropology, Russian Academy of Science
- 2019 July Visiting scholar at the Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing, China
- 2021 (Sep-Jan) Visiting scholar at the Cross-Cultural and Regional Studies, Copenhagen University, Denmark;
- 2022 (Feb-June) Visiting scholar at the Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing, China

6. COMMISSIONS OF TRUST

- 2016-2019 Review Board, EU-H2020 projects (European Commission), Unit B3 - Inclusive, Innovative and Reflective Societies
- 2017-2018 Review Board for Graduate Students Fellowships. Jack, Joseph and Morton Mandel School for Advanced Studies in the Humanities, The Hebrew University
- 2013-2020 Review Board for Graduate Students Fellowships. Institute of Archaeology, The Hebrew University
- 2013-2020 Reviewer, Master and PhD theses, The Hebrew University, Tel-Aviv University, Beer Sheva University, University of the Witwatersrand (South Africa)
- 2014-2020 Reviewer for National Science Foundation, USA
- 2005-2020 Reviewer for Journals: Science, Proceedings of the National Academy of Sciences, National Geographic Society, Journal of Human Evolution, Journal of Archaeological Science, Journal of Anthropological Archaeology, Plants and World Archaeology,

- Journal of Archaeological Method and Theory
- 2017-2020 Advisory Board Member of *Journal of Archaeological Method and Theory*
- 2018-2020 Reviewer for the Israel Council for Higher Education, Post-doctoral programs
- 2019-2020 Reviewer for the Israel Science Foundation
- 2020-present Reviewer Board for The Mandel Scholion Center at Jack, Joseph and Morton Mandel School for Advanced Studies in the Humanities, Hebrew University

7. AWARDS

- 2000-2001 Glass Foundation award for excellence (The Hebrew University).
- 2003-2004 Ghirshman Scholarship (The Hebrew University)
- 2007-2008 Dean's Feinberg Postdoctoral Prize, Weizmann Institute Science
- 2011-2012 Golda Meir Fellowship Lectureship Awards

8. MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

- 1992- present Israel Prehistoric Society
- 2001- present Society of American Archaeology
- 2006 - 2007 BINCA research group, The Prehistory of the Hebrew Language, members: Prof. Noam Agmon (Chemistry), Prof. Anna Belfer-Cohen (Prehistory), Prof. Steven E. Fassberg (Semitic linguistics), Prof. Naftali Tishby (Informatics, Computer Sciences)
- 2009 - 2012 Center of Excellence, Institute for Advanced Studies, The Hebrew University, Climate Change in the Upper Jordan Valley between Ca. 800 Ka -700 Ka Ag, headed by Prof. Naama Goren Inbar

9. RESEARCH GRANTS

- 1997, 1999, 2000, 2002, 2003, 2006: Irene Levi Sala Care Archaeological Foundation – in support of the “Hilazon Tachtit excavation project”
- 1999 – The Leakey Foundation – “The Natufian Encampment at Hilazon Tachtit Cave”.
- 2006 – National Geographic – “The Natufian Burial Ground at Hilazon Tachtit Cave, Galilee, Israel”.
- 2007-2008: Amiran Foundation, “Survey at Kaizer, Pre Pottery Neolithic Site”, jointly with Prof. Naama Goren Inbar.
- 2011 – 2014 Israel Science Foundation: “*The Natufian twilight - end of the Palaeolithic era*”.
- 2012 – 2017 Yad HaNadiv: “*establishment of a computation archaeology lab at the IAA and related research and development work at The Hebrew University*”, Jointly with the IAA.
- 2014-2018 Israel Science Foundation: “*A culture at cross-roads - Palaeolithic vs. Neolithic modes of existence*”.

- 2016-2019 The Wilson Charitable Trust: “*A New Look at Ancient Rock Engravings*”.
- 2017 Irene Levi Sala Care Archaeological Foundation: “Renewed investigation of the Ein Gev IV Epipalaeolithic site”
- 2019 Irene Levi Sala Care Archaeological Foundation: “*The Late Natufian Burial Structure at Nahal Ein Gev II*”
- 2019-2023 Israel Science Foundation: “*On the eve of the Neolithic – The beginnings of village life*”
- 2019-2020 Gerda Henkel Foundation: “*Lower Paleolithic Spheroids Project*” (in collaboration with Dr. Deborah Barsky, The Catalan Institute of Human Paleoecology and Social Evolution (IPHES))
- 2022-2023 Israel Science Foundation, workshop grant: “*Prehistoric Constructions - Bringing Together Archaeologists and Architects*”

10. TEACHING AT THE HEBREW UNIVERSITY

A. Graduate Students

MA students:

- Ms. Noa Klein, 2009 - 2013: “Hof Shahaf – Lithic assemblage” (jointly with Prof. Anna Belfer-Cohen).
- Mr. Efraim Wallach, 2011 - 2013: “The Natufian culture as a test case for Niche Construction” (jointly with Dr. Arnon Levy).
- Mr. Ahiad Ovadia, 2012 - 2016: “The Natufian technology of producing ground stone tools”
- Mr. Alex Bogdanovsky, 2012 - 2016: “Computational analysis of weapons”
- Mr. Netanel Paz, 2012 - 2016: “Village Life during the EB Ib in Northern Israel: The Excavations at the Fringes of Tel Qashish as a Test Case”
- Ms. Hadas Goldgeier, 2015 - 2019: “Spatial Analysis in Hilazon Tachtit Cave”
- Ms. Talia Yashuv, 2016 - 2021: “Reconstruction of Natufian craft - Perforated items from Nahal Ein Gev II”
- Ms. Timna Raz, 2017- 2021: “Developing new methodologies for detecting ancient fields”
- Ms. Keren Nebenhaus, 2017- 2021: “Understanding Prehistoric Curiosities: A Case Study from a Late Natufian Burial Site”
- Natalia Gubenko, 2018- 2021: “Early history of Prehistoric investigations in the Holy Land (1864-1918). (jointly with Prof. Anna Belfer-Cohen).

PhD students:

- Ms. Ortal Harush, 2014 – 2021: “Ceramic personal style based on the morphologic analysis of commercial Jars”
- Mr. Francesco Valletta, 2014 – 2021: “The middle and late Epi-Paleolithic lithic industries – a quantitative analysis”
- Ms. Lena Dubinsky, 2016 - current: “Developing a method for the understanding of rock engravings: The Timna case study” (Jack, Joseph and Morton Mandel School for Advanced Studies in the Humanities fellowship)
- Mr. Antoine Muller, 2017 - current: “Exploring variation in three-dimensional handaxe morphology to reveal nature of hominin dispersals in Southwestern, Southern and Eastern Asia” (The Asian Sphere Program fellowship, Jointly with Prof. Gonen Sharon, Tel Hi Collage)

- Ms. Hadas Goldgeier, 2019 - current: “Architecture of the earliest villages – style and building methods in structures from the Natufian to the Early Neolithic in the Levant”

Visiting PhD students – (collaboration projects)

- Roxanne Lebenzon, 2019 July-Aug, University of Connecticut. Project: Animal Bone analysis in 3-D
- Wenting XIA, 2019 Sep-Jan, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing. Project: Lithic evidence from the Hanzhong basin, Central China
- Shubham Rajak, 2022 May-August, Deccan College Postgraduate and Research Institute (Deemed University), Pune, India. Project: Application of 3D technology for study of Stone tool technology and prehistoric activity areas in North Karanpura Valley
- Annie Melton, 2021 Sep-Jan, University of Minnesota Cracking the Core: Assessing Variability Within and Among Paleolithic Learning Niches Utilizing Refitted Core Sequences

B. Post-doctoral students

- Dr. Enora Gandon, 2011-2013 – Foundation Fyssen Post doctorate fellow, “The study of wheel-throwing skill as a first step towards an analysis of the copy-with-error hypothesis”.
- Dr. Greg Bergman, 2014, former NASA engineer for image analysis, Fulbright research visitor.
- Dr. Marta Modolo, 2020-2022 – Marie Skłodowska-Curie Individual Fellowships, “Attesting Neanderthal Dwelling Space Use: effects of human occupations in Middle Palaeolithic record”
- Dr. Emily Sarah Hallinan, 2020-2022 - Marie Skłodowska-Curie Individual Fellowships, “Technological Adaptations of Nubian cores in the Karoo”
- Laurent Davin - 2020-2022 – Foundation Fyssen Post doctorate fellow, “Personal ornament of the first sedentary in the Near East. Technological innovations, symbolic, economic and cultural normalizations in a complex social organization”.
- Gadi Herzlinger – 2021-2024 – Israel Science Foundation, Post-doctoral fellowship, “Shedding new light on the Tabun 2-C mandible: A novel computational approach”

C. Courses taught in the last 5 years

- **Bachelor's degree courses**
 - Computational Archaeology
 - The Origins of Agriculture: Levant, America and China
 - Transitional periods in Prehistory
 - Human Prehistory
 - Levantine Upper Palaeolithic and Epipalaeolithic Entities
 - Scientific Topics in Archaeology
 - Research of Human Prehistory in the 21st Century
 - Modern Human expansion to Europe
 - Introduction to Prehistoric Archaeology
- **Master's degree courses**

- Field Archaeology
- Developments of prehistoric closed spaces – to the Neolithic house
- Computation Archaeology in 3-D
- Topics in Prehistoric Archaeology – MA seminar
- Geo-Archaeology – MA seminar

LIST OF PUBLICATIONS

Author status – Principal Investigator – (P^I); co-researcher – (C); student – (S)

PhD THESIS

1. **Grosman, L.** *Computer Simulation of Variables in Models of the Origins of Agriculture in the Levant*. 2005. Unpublished PhD Thesis. The Hebrew University of Jerusalem.

CHAPTERS IN COLLECTIONS:

2. **Grosman L.** and A. Belfer-Cohen. 2002. “Zooming onto the 'Younger Dryas’”. In: *The Dawn of Farming*. Eds. R. Cappers and S. Bottema, pp. 49-54. ex oriente, Berlin.
3. Belfer-Cohen A^I and L. **Grosman**. 2007. “Tools or Cores? Carinated Artifacts. In: *Tools versus Cores Alternative Approaches to Stone Tool Analysis*. Ed. S. P. McPherron, pp.143-163. Cambridge Scholars Publishing, Cambridge.
4. **Grosman L.** 2008. Hilazon Tachtit Cave. In: *The New Encyclopedia of Archaeological Excavations in the Holy Land*. (Volume 5, 5th edition). Ed. E. Stern, pp.1780-1782. Israel Exploration Society and the Biblical Archaeology Society, Washington DC.
5. **Grosman L.** 2009. The Natufian. In: *The Middle East: The Cradle of Civilization Revealed*. Ed. D. Kidd, pp. 32-35. Global Book Publishing PTY Ltd, Lane Cove, Australia.
6. **Grosman L.**, G. Sharon, T. Goldman-Neuman^C and U. Smilansky^C. 2011. 3D modeling – new method for quantifying post-depositional damages. In: *SCCH 2009 Scientific Computing and Cultural Heritage*. Eds. M. Winckler and G. Bock, pp1-22. Springer, Berlin.
7. **Grosman L.**^{P^I} and N. Goren Inbar^C. 2010. Evidence in Rock – A Neolithic Quarry at Kaizer Hill, Modi’in. In: *New Studies in the Archaeology of Jerusalem and its Region*. Eds. D. Amit, O. Peleg -Barkat and G. Stiebel, pp. 40-53. The Hebrew University and Israel Antiquity Authority, Jerusalem. (In Hebrew).
8. Dubreuil L.^{P^I} and L. **Grosman**^{P^I}. 2013. The Life History of Macrolithic tools at Hilazon Tachtit Cave. In: *Natufian Foragers in the Levant*. Eds. O. Bar-Yosef and F. Valla, pp 527-543. International Monographs in Prehistory, Ann Arbor.
9. **Grosman L.** 2013. The Natufian chronological scheme – new insights and their implications. In: *Natufian Foragers in the Levant*. Eds. O. Bar-Yosef and F. Valla, pp 622-635. International Monographs in Prehistory, Ann Arbor.
10. Marder O.^{P^I}, R. Yeshurun^C, H. Smithline^C, O. Ackermann^C, D. E. Bar-Yosef Mayer^C, A. Belfer-Cohen^C, L. **Grosman**^C, I. Hershkovitz^C, N. Klein^C and L. Weissbrod^C. 2013. Hof Shahaf: A New Natufian Site on the Shore of Lake Kinneret. In: *Natufian Foragers in the Levant*. Eds. O. Bar-Yosef and F. Valla, pp 505-526. International Monographs in Prehistory, Ann Arbor.
11. Herzlinger G.^S, L. **Grosman**^{P^I} and N. Goren-Inbar^{P^I}. 2013. The PPNA Quarry of Kaizer Hill, Modi’in, Israel – The Waste Piles. In: *Stone Tools in Transition: From Hunter-Gatherers to Farming Societies in the Near East*.

- Eds. F. Borrell, JJ Ibáñez and M. Molist, pp 395-406. Universitat Autnoma de Barcelona. Servei de Publicacions, Barcelona.
12. Richardson E.^s, L. **Grosman**^{PI}, U. Smilansky^c and M. Werman^{PI}. 2013. Extracting Scar and Ridge Features from 3D-scanned Lithic Artifacts. In: *Archaeology in the Digital Era*. Eds. G. Earl, T. Sly, A.Chrysanthi, P. Murrieta-Flores, C. Papadopoulos, I. Romanowska, and D. Wheatley, pp. 83-92. Proceedings of Computer applications and quantitative methods in Archaeology CAA (2012). Amsterdam University Press, Amsterdam.
 13. **Grosman** L.^{PI}, A. Ovadia^s and A. Bogdanovsky^s. 2014. Neolithic Masks in a Digital World. In: *Face to Face*. Ed. D. Hershman, pp. 54-57. Israel Museum Catalogue, Jerusalem.
 14. **Paz** I.^{PI}, S. Mizrahi^c and L. **Grosman**^c.2015. Ancient Cultivated Fields: Early Bronze III test case from Tel Yarmut. In: *New Studies in the Archaeology of Jerusalem and its Region*. Eds. D. Ben-Ami, O. Peleg –Barkat, Y. Gadot and G. Stiebel, pp. 91-98. The Hebrew University and Israel Antiquity Authority, Jerusalem. (In Hebrew).
 15. **Grosman** L.^{PI} and N. Munro^c. 2017. Hilazon Tachtit Cave, a Late Natufian burial site in the western Galilee of Israel (12,000 BP). In *Quaternary Environments, Climate Change and Humans in the Levant*. Eds. Y. Enzel and O. Bar-Yosef. Cambridge University Press. Cambridge.
 16. **Grosman** L. 2017. The Natufian culture and the threshold for early farming. In *Quaternary Environments, Climate Change and Human in the Levant*. Eds. Y. Enzel and O. Bar-Yosef. Cambridge University Press. Cambridge.
 17. Munro ND^{PI} and L. **Grosman**^{PI}. 2019. The Forager-Farmer Transition in the Southern Levant (ca. 20,000-8,500 cal. BP). In *The Social Archaeology of the Levant: From Prehistory to the Present*. Eds. A. Yasur-Landau, E Cline and Y. Rowan, pp47-66. Cambridge University Press, Cambridge.
 18. Abadi I.^s and L. **Grosman**^{PI}. 2019. Sickle blade technology in the Late Natufian of the Southern Levant. In *Near Eastern Lithic Technologies on the Move. Interactions and Contexts in Neolithic Traditions*, edited by L. Astruc, C. McCartney, F. Briois and V. Kassianidou, pp295-304. Nicosia: Astrom Editions Limited.
 19. Shaham D.^s and L. **Grosman**^{PI}. 2019. Engraved stones from Nahal Ein Gev II – portraying a local style, forming cultural links. In *Near Eastern Lithic Technologies on the Move. Interactions and Contexts in Neolithic Traditions*, edited by L. Astruc, C. McCartney, F. Briois and V. Kassianidou, pp133-142. Nicosia: Astrom Editions Limited.
 20. Harush O.^s, T. Yashuv^s, L. Dubinsky^s, F. Valleta^s and L. **Grosman**^{PI}. 2020. Quantitative methods for the study of ancient technologies. In *Digital Archaeology: New research and advanced technologies*, edited by M. Birkenfeld and Y. Garfinkel, pp 41-58. Jerusalem: The Hebrew University and Israel Antiquity Authority. (In Hebrew).
 21. Yashuv, T^s. and L. **Grosman**^{PI}. In Press. Drilling tools at the end of the Natufian – Suggesting a technological innovation. In *Tracks of the Near Eastern Neolithic: Lithic perspectives on its origins, development and dispersals*. edited by Y. Nishiaki, M. Arimura and O. Maeda. Sidestone Press
 22. Dubinsky, L^s and L. **Grosman**^{PI}. Into the Lines: 3-D Analysis of Rock Engravings from Site 25. In *Timna Valley Revisited: The Tel Aviv Excavations (2013-2018) and Other Studies in the Ancient Copper Mining District of the*

Southern Aravah, edited by E. Ben-Yosef: The Institute of Archaeology, Tel Aviv University / Penn State University Press, Eisenbrauns.

ARTICLES:

1. Belfer-Cohen A.^{PI} and L. **Grosman**^{PI}. 1997. The Lithic Assemblage of Salibiya I. *Journal of the Israel Prehistoric Society - Mitekufat Haeven* 27: 19-42.
2. **Grosman** L.^{PI}, A. Belfer-Cohen^C and O. Bar-Yosef^C. 1999. The Final Natufian site – Fazaal IV. *Journal of the Israel Prehistoric Society - Mitekufat Haeven* 29: 17-40.
3. **Grosman** L. 2003. Preserving Cultural Traditions in a Period of Instability: The Late Natufian of the Hilly Mediterranean Zone. *Current Anthropology* 4/4: 571-580.
4. **Grosman** L.^{PI}, H. Ashkenazi^S and A. Belfer-Cohen^C. 2006. Nahal Oren Natufian Lithic Assemblage. *Paléorient* 31/2: 5-25.
5. **Grosman** L.^{PI} and N. Goren-Inbar^{PI}. 2007. “Taming” Rocks and Changing Landscapes: A New Interpretation of the Neolithic Cupmarks. *Current Anthropology* 48/5:732-740.
6. **Grosman** L.^{PI} and N. D. Munro^{PI}. 2007. The Sacred and the Mundane: Domestic Activities at a Late Natufian Burial Site in the Levant. *Before Farming* 4/4: 1-14.
7. **Grosman** L.^{PI}, O. Smikt^C and U. Smilansky^C. 2008. On the application of 3-D scanning technology for the documentation and typology of lithic artifacts. *Journal of Archaeological Science* 35: 3101–3110.
8. **Grosman** L.^{PI}, N. Munro^C and A. Belfer-Cohen^C. 2008. A 12,000-year-old Shaman Burial from the Southern Levant (Israel). *Proceedings of the National Academy of Science (USA)* 105/46: 17665–17669.
9. Dubreuil L.^{PI}, and L. **Grosman**^{PI}. 2009. Evidence of hide-working with ochre at Hilazon Tachtit (Israel): implications for Natufian site function. *Antiquity* 83: 935–954.
10. **Grosman** L.^{PI}, N. Munro^C and A. Belfer-Cohen^C. 2009. The Shaman from Hilazon Tachtit cave. *Qadmoniot* 137: 22-24. (In Hebrew).
11. **Grosman** L. 2010. Prehistoric Warfare - cause and visibility. *Neo-Lithics* 1-10:36-37.
12. Munro D. N.^{PI} and L. **Grosman**^{PI}. 2010. Early evidence (ca. 12,000 B.P.) for feasting at a burial cave in Israel. *Proceedings of the National Academy of Science (USA)* 107 (35): 15362–15366.
13. Shaham D.^S, L. **Grosman**^{PI} and N. Goren Inbar^{PI}. 2010. The red-stained flint crescent from Gesher: new insights into PPNA hafting technology. *Journal of Archaeological Science* 37: 2010-2016.
14. Sharon, G.^{PI}, L. **Grosman**^C, H. Fulck^C, Y. Melamed^C, Y. Rak^C, R. Rabinovich^C and M. Oron^C. 2010. The first Excavation Seasons at NMO: a Mousterian Site at the Nahal Mahanayeem Outlet. *Eurasian Prehistory* 7 (1): 129–151.

15. **Grosman L.**^{PI}, G. Sharon^C, O. Smikt^C and U. Smilansky^C. 2011. Quantifying Breakage Damage on Experimental Bifaces using 3D scanning. *Journal of Human Evolution* 60 (4): 398-406.
16. **Grosman L.**^{PI}, Y. Goldsmith^S and U. Smilansky^C. 2011. Morphological Analysis of Nahal Zihor Handaxes: A Chronological Perspective. *PaleoAnthropology* 2011: 203–215.
17. Goren-Inbar N.^{PI}, L. **Grosman**^C and G. Sharon^C. 2011. The technology and significance of the Acheulian giant cores of Gesher Benot Ya‘aqov, Israel. *Journal of Archaeological Science* 38:1901-1917.
18. Malinsky-Buller A.^{PI}, L. **Grosman**^C and O. Marder^C. 2011. A case of technotypological lithic variability & continuity in the late Lower Palaeolithic. *Before Farming* 2011/1 article 3.
19. Goren-Inbar N.^{PI}, M. Freikman^C, Y. Garfinkel^C, N. A. Goring-Morris^C and L. **Grosman**^{PI}. 2012. The Earliest Matches. *PLoS ONE* 7 (8):e42213.
20. **Grosman L.**^{PI}, A. Karasik^C and U. Smilansky^C. 2012. Archaeology in 3-D: new computational methods in Archaeology. *Qadmoniot* 144:106-114 (In Hebrew).
21. Gandon E.^{PI}, R. J. Bootsma^C, J. A. Endler^C and L. **Grosman**^{PI}. 2013. How Can Ten Fingers Shape a Pot? Evidence for Equivalent Function in Culturally Distinct Motor Skills. *PLoS ONE* 8(11): e81614.
22. Mendel A.^{PI} and L. **Grosman**^C. 2013. Unpublished Hebrew and other Northwest Semitic inscriptions from Samaria studied with a 3-dimensional imaging technology. *Kleine Untersuchungen zur Sprache des Alten Testaments und seiner Umwelt (KUSATU)*15:171-188.
23. **Grosman L.**^{PI}, A. Karasik^C, O. Harush^S and U. Smilansky^C. 2014. Archaeology in Three Dimensions. *Journal of Eastern Mediterranean Archaeology and Heritage studies (JEMAHS)* 2:48-64.
24. Karasik A.^{PI}, Z. Greenhut^C, J. Uziel^C, N. Szanton^C, **L. Grosman**^C, I. Zandbank^C and U. Smilansky^C. 2014. Documentation and Analyses on the National Scale at the Israel Antiquities Authority: The Story of One (Broken) Sherd. *Near Eastern Archaeology* 77 (3): 214-218.
25. Zaidner Y.^{PI} and L. **Grosman**^{PI}. 2014. Middle Palaeolithic Scrapers were Reshaped or Recycled? A view from Nesher Ramla, Israel. *Quaternary International*. doi:10.1016/j.quaint.2014.11.037.
26. Marder O.^{PI}, H. Ashkenazy^C, A. Frumkin^C, L. **Grosman**^C, B. Langford^C, G. Sharon^C, M. Ullman^C, R. Yeshurun^C and Y. Peleg^C. 2015. El-Hamam Cave: A New Natufian Site in the Samaria Hills. *Journal of the Israel Prehistoric Society - Mitekufat Haeven* 45, 131-142.
27. **Grosman L.**^{PI} and N.D. Munro^C. 2016. A Natufian Ritual Event. *Current Anthropology* 57, 311-331.
28. **Grosman L.**^{PI}, N. Goren-Inbar^{PI}. 2016. Landscape Alteration by Pre-Pottery Neolithic Communities in the Southern Levant? The Kaizer Hilltop Quarry, Israel. *PLoS ONE* 11, e0150395.
29. **Grosman L.**^{PI}, N.D. Munro^C, I. Abadi^S, E. Boaretto^C, D. Shaham^S, A. Belfer-Cohen^C and O. Bar-Yosef^C. 2016. Nahal Ein Gev II, a Late Natufian Community at the Sea of Galilee. *PLoS ONE* 11, e0146647.
30. **Grosman L.** 2016. Reaching the point of no return: Computation Revolution in Archaeology. *Annual Review of Anthropology* 45 (1):129-145.

31. Klein N.^s, A. Belfer-Cohen^c and L. **Grosman**^{PI}. 2017. Bone Tools as the Paraphernalia of Ritual Activities: A Case Study from Hilazon Tachtit Cave. *Eurasian Prehistory* 13:91–104.
32. **Grosman** L.^{PI}, D. Shaham^s, F. Valletta^s, I. Abadi^s, H. Goldgeier^s, N. Klein^s, L. Dubreuil^c and N.D. Munro^c. 2017. A human face carved on a pebble from the Late Natufian site of Nahal Ein Gev II. *Antiquity* 91.
33. Herzlinger G.^s and L. **Grosman**^{PI}. 2018. AGMT3-D: A software for 3-D landmarks-based geometric morphometric shape analysis of archaeological artifacts. *PLoS ONE* 13 (11):e0207890.
34. Herzlinger G.^s, N. Goren-Inbar^{PI} and L. **Grosman**, L.^{PI}, 2017. A new method for 3D geometric morphometric shape analysis: The case study of handaxe knapping skill. *Journal of Archaeological Science: Reports* 14:163-173.
35. Sharon G.^{PI}, A. Barash^c, D. Eisenberg-Degen^c, **L. Grosman**^c, M. Oron^c and U. Berger^c. 2017. Monumental megalithic burial and rock art tell a new story about the Levant Intermediate Bronze “Dark Ages”. *PLoS ONE* 12 (3), e0172969.
36. Dubreuil L.^{PI}, A. Ovadia^s, R. Shahack-Gross^c and L. **Grosman**^{PI}. 2019. Evidence of ritual breakage of a ground stone tool at the Late Natufian site of Hilazon Tachtit cave (12,000 years ago). *PLoS ONE* 14 (10):e0223370
37. Friesem D^{PI}, I. Abadi^s, D. Shaham^s and L. **Grosman**^{PI}. 2019. Lime plaster cover of the dead 12,000 years ago – new evidence for the origins of lime plaster technology. *Evolutionary Human Sciences* 1:e9.
38. Goldgeier H.^s, N.D. Munro^c and L. **Grosman**^{PI}. 2019. Remembering a Sacred Place – The Depositional History of Hilazon Tachtit, a Natufian Burial Cave. *Journal of Anthropological Archaeology* 56.
39. Harush O.^s, N. Glauber^s, A. Zoran^c and L. **Grosman**^{PI}. 2019. On Quantifying and Visualizing the Potter’s Personal Style. *Journal of Archaeological Science* 108:104973.
40. **Grosman**, L.^{PI}. T. Raz^s, and D. Friesem^c. 2020. Tomorrow’s mundane is today’s extraordinary: a case study of a plastered installation during Neolithization. *Humanities and Social Sciences Communications* 7 (1):87.
41. **Grosman**, L. 2020. Attaching numbers to ideas. Comment on: Hayden, B "Archeological Pitfalls of Storage". *Current Anthropology*.
42. Harush O.,^s V. Roux^c, A. Karasik^c and L. **Grosman**^{PI}. 2020. Social signature in standardized ceramic production – A 3-D approach to ethnographic data. *Journal of Anthropological Archaeology* 60:101208
43. Novoselsky I^s, L. **Grosman**^{PI}, G. Herzlinger^s and N. Goren-Inbar^{PI}. 2020. Limestone Wedges: ad hoc Quarrying Tools of the Kaizer Hill Quarry Site. *Lithic Technology*:1-18.
44. Sharon G.^{PI}, L. **Grosman**^{PI}, E. Allué^c, A. Barash^c, D. E. B.-Y. Mayer^c, R. Biton^c, E. Bunin, D^c. Langgut, Y^c. Melamed^c, S. Mischke^c, F. Valletta^s and N. Munro^{PI}. 2020. Jordan River Dureijat: 10,000 years of Epipaleolithic activity on the shore of Paleolake Hula. *PaleoAnthropology*:34-64.
45. Shor, M.,^s and L. **Grosman**^{PI}. 2020. On Wall Conservation at Prehistoric Sites: Nahal Ein Gev II as a Case Study. *Journal of Israel Prehistoric Society* 50: 78-92.
46. Valletta F.^s, U. Smilansky, A^c. N. Goring-Morris^c and L. **Grosman**^{PI}. 2020. On measuring the mean cutting-edge angle of lithic tools based on 3-D models – A case study from the Southern Levantine Epipalaeolithic. *Archaeological and Anthropological Sciences*.12 (2):49.

47. Grosman, L., and A. Belfer-Cohen. In Press. Moving on: Natufian after-life Phases and Stages. *Neo-Lithics*.
48. Harush, O, and L. **Grosman**. 2021. Toward the identification of social signatures in ceramic production – An archaeological case study. *PLOS ONE* 16 (7):e0254766.
49. Munro, N. D., A. N. Petrillo, and L. **Grosman**. 2021. Specialized aquatic resource exploitation at the Late Natufian site of Nahal Ein Gev II, Israel. *Archaeological and Anthropological Sciences* 13 (1):6.
50. Valletta, F, I. Dag, and L. **Grosman**. 2021. Identifying Local Learning Communities During the Terminal Palaeolithic in the Southern Levant: Multi-scale 3-D Analysis of Flint Cores. *Journal of Computer Applications in Archaeology* 4 (1):145–168.
51. Valletta, F., and L. **Grosman**. 2021. Local Technological Traditions in the Early and Middle Epipaleolithic of Ein Gev Area. *Journal of Paleolithic Archaeology* 4 (2):10.
52. **Grosman**, L. and A. Belfer-Cohen. In press. Insights into Natufian social identity: a case study from the graveyard of Hayonim cave. *Cambridge Archaeological Journal*
53. **Grosman**, L. and A. Belfer-Cohen. In press. Moving on: Natufian after-life Phases and Stages. *Neo-Lithic*

OTHER PUBLICATIONS

1. **Grosman**, L. 1996. The Beginning of Partnership - Animal domestication. *Masa Acher* 60: 34-42. (In Hebrew)
2. **Grosman** L. 2005. The Secret of the Graves. *Masa Acher* 167: 32. (In Hebrew)
3. **Grosman** L. 2007. The Shaman from Hilazon Cave. *National Geographic* (In Hebrew)
4. **Grosman** L. 2015. The Key to Studying Prehistoric Tools. In *Ami Drach and Dov Ganchrow, Design Fields*. Ed. M. Vinitsky, pp. 71-77. Studio Amidov, Tel-Aviv. (In Hebrew)
5. Munro D. N.^c and **L. Grosman**^{PI}. 2015. Hilazon Tachtit Cave, Israel. In: *The Archaeology of Food: An Encyclopedia*. Rowman & Littlefield Publishers, Boston.
6. **Grosman** L. 2018. The Shaman of the Lower Galilee. *Cornerstone - Magazine to ancient and heritage sites* 1: 49-53. (In Arabic)
7. Klein N.^s. and **Grosman**^{PI}, L. In Press. Lithic Items collected at Ramat Ha'Nadiv. In Y. Tepper and O. Peleg-Barkat eds. Ramat HaNadiv Excavations. Final Report of the 2000–2010 Seasons. Jerusalem.

ORGANIZATION OF CONFERENCES

2018 “Extra-Ordinary: Unique and Common Artifacts as Social Actors” international conference at The Hebrew University, Jerusalem, Israel (jointly with Prof. Gideon Shelach, Prof. Rina Talgam and Prof. Nir Avieli).

CONFERENCES

1995 The Israel Prehistoric Society Meeting (The Hebrew University).
Paper presented: “The Natufian site at Hilazon Cave”.

- 1996 International Workshop: “Sin, Punishment and Forgiveness in Ancient Egypt” (The Hebrew University of Jerusalem). Paper presented: “Coffin Text 1033”.
- 1996 The Israel Prehistoric Society Meeting (Haifa University). Paper presented: “The ‘Corrective Lens’ of Chaos Theory”.
- 1998 International Workshop on the Transition from Foraging to Farming in Southwest Asia (University of Groningen, Holland).
- 1999 World Archaeology Congress No.4. (University of Cape Town, South Africa). Paper presented: “Just before settling down – the Natufian/ Neolithic transition”.
- 2001 4th Workshop on PPN Chipped Lithic Industries (Nigde, Turkey). Paper presented: “Late/Final Natufian occupation at the hilly “core area” vs. The Jordan Valley of the Southern Levant: the lithic perspective”.
- 2001 67th Annual Meeting of the Society of American Archaeologists (Denver, Colorado, USA). Paper presented: “Late Natufian Building activities: Hilazon Tachtit cave”.
- 2002 Domesticating Landscapes and Site structure in the Prehistoric Near East (University of Toronto, Canada). Paper presented: “A Late Natufian Ritual Space”.
- 2006 71th Annual Meeting of the Society of American Archaeologists (San Juan, Puerto Rico). Paper presented: “The Natufian Occupation of Hilazon Tachtit (Israel): New data from use-wear analysis of grinding stones.” (Co-Author: Laure Dubreuil).
- 2006 XXIIth Archaeological Congress in Israel (The Hebrew University). Paper presented: “Computer Simulation of the process that lead to the beginning of Agriculture”.
- 2006 XVth Congress of the International Union of Prehistoric and Protohistoric Sciences (Lisbon, Portugal). Paper presented: “The Natufian Human Burials at Hilazon Tachtit Cave - The Meaning of Spatial Distribution.” (Co-Author: Anna Belfer-Cohen).
- 2008 73rd Annual Meeting of the Society of American Archaeologists (Vancouver, Canada). Papers Presented: 1. “A Multivariable Simulation of the Younger Dryas Episode and the Natufian Entity at the Southern Levant.” 2. “From the Younger Dryas to the Yellow River: The Relevancy of West Asian Correlations between Environmental Change and the Beginnings of Agriculture for an Understanding of East Asian Prehistory”. (Co-Author: Gideon Shelach).
- 2008 “Rituals spaces and places” (Simon Frazer University, Vancouver, Canada). Paper presented: “Natufian Burial Rituals at Hilazon Tachtit cave”.
- 2008 “Human-animal interactions in the circum Mediterranean area: interdisciplinary approach - archaeology, ecology and evolution- of zoonotic diseases” (the Centre de Recherche Français de Jérusalem, Jerusalem, Israel). Invited paper: “Population dynamics in a multivariable simulation of the Natufian Entity at the Southern Levant”.
- 2009 “Climate change in the Upper Jordan Valley between ca.800 Ka – 700 Ka” (Institute of Advanced Studies, The Hebrew University). Paper presented: “Quantifying Breakage Damage on Experimental Bifaces using 3D scanning”.
- 2009 “The Natufian Culture in the Levant II” (Paris, France). Paper presented: “What to do with ample time? The Natufian chronological scheme”. Invited lecture: “Hilazon Tachtit cave – Late Natufian ritual cave”.

- 2009 “Flint mining and quarrying techniques in pre- and protohistoric times” (Madrid, Spain). Paper presented: “Kaizer Hill – A Pre-Pottery Neolithic A quarry site in Modi‘in, Israel”.
- 2009 “Scientific Computing & Cultural Heritage”, (Heidelberg, Germany). Paper presented: “Computerized 3D modeling – A new approach to quantify post-depositional damage in Paleolithic stone artifacts”.
- 2010 11th International Council for Archaeozoology (ICAZ), (Paris, France). Paper presented: “Animals in funerary context at Hilazon Tachtit cave - implications for Natufian social life”.
- 2011 5th Experimental Archaeology Conference (University of Reading, England). Paper presented: “Can it be natural? The application of experimental data and 3D scanning to the study of Acheulian bifaces and the accumulation processes of their knapping by-products”.
- 2012 7th International Conference on the Chipped and Ground Stone Industries of the Pre-Pottery Neolithic (University of Barcelona, Spain). Paper presented: “Nahal Ein Gev site – A late Natufian village?”
- 2013 73rd Annual Meeting of the Society of American Archaeologists (Honolulu, USA). Papers presented: 1. “3D Tools for Archaeological Artifact - Documentation, Classification and Investigation”
2. “Tradition, Tradition, Tradition: Long-Term Continuity and Change in Funerary Practices from the Galilee, Israel” (Co-Author: Nigel Goring-Morris).
- 2013 Scientific Computing and Cultural Heritage (SCCH) (Heidelberg, Germany). Paper presented: “A comparative study of Middle Palaeolithic lithic assemblages based on computerized 3D Analysis”.
- 2015 75rd Annual Meeting of the Society of American Archaeologists (San-Francisco, USA). Paper to be presented: “The Late Natufian culture dynamics during the Younger Dryas event”
- 2016 Cambridge University Workshop – “Current approaches and new directions in lithic analysis: defining, identifying and interpreting variability”
Paper presented: “Lithics in 3-D: Methods and Applications”
- 2016 8th Conference on PPN Chipped and Ground Stone Industries of the Near East (Nicosia, Cyprus).
Papers presented: “Sickle Blade Technology in the Natufian-Early Neolithic Transition” (jointly with Itay Abadi)
“Engraved stones from NEG II – portraying a local style, forming cultural links” (jointly with Dana Shaham).
- 2017 77th Annual Meeting of the Society of American Archaeologists (Vancouver, Canada)
Paper presented: ““Ashes to ashes, dust to dust” –Natufian Cemeteries and Human Perceptions of Nature” (jointly with Natalie D Munro)
- 2017 Reappraisal of Hominin Group Size in the Lower Palaeolithic, Israel Institute of Advanced Studies (Jerusalem, Israel)
Paper presented: “Population Dynamics in a Multivariable System Dynamics Simulation”
- 2018 Digital Humanities Forum (Ben Gurion University, Israel)
Paper presented: “Archaeological artifacts in 3-D”
- 2018 Sacred Places & Spaces: Prehistoric Perspectives (The Hebrew University, Jerusalem, Israel)

- Paper presented: “Sacred caves in the landscape during the late Natufian – the case study of Hilazon Tachtit cave”
- 2018 Extra-Ordinary: Unique and Common Artifacts as Social Actors (The Hebrew University, Jerusalem, Israel.
Paper presented: “On Turning the Mundane into the Extraordinary: A Case in Point from Nahal Ein Gev II”
- 2019 9th Conference on PPN Chipped and Ground Stone Industries of the Near East (Tokyo, Japan). Papers presented:
“The Natufian: burials as a cultural marker” (jointly with A. Belfer-Cohen).
“Drilling tools and perforated items at cultural crossroads” (jointly with T. Yashuv)

INVITED TALKS

- Invited Speaker, Oct. 2015 Colloquium Interdisciplinary Center for Scientific Computing, IWR, Heidelberg University. Title: The study of Levantine Prehistory based on computerized 3D Analysis
- Invited Speaker, Oct. 2015 The Vienna Environmental research Accelerator (VERA), Vienna University. Title: Computerized Archaeology – 3D Tools for Investigating Archaeological Artifacts
- Invited Speaker, Nov. 2015 Maison Archeologie Ethnologie, CNRS, Paris. Title: Nahal Ein Gev Site - A Late Natufian Village in the Jordan Valley.
- Invited Speaker, Nov. 2015 Sorbonne University, Paris. Title: The Late Natufian in the Southern Levant – new insights.
- Invited Speaker, Dec. 2015 Institute of Archaeology, University of Tubingen. Title: “The Late Natufian in the Southern Levant: New Perspective”
- Plenary Lecture, Jan. 2017 Guest Scholar, The W. F. Albright Institute of Archaeological Research, Jerusalem
- Plenary Lecture, Feb. 2018 “I. Drakopoulos” amphitheatre, University of Athens. Title: “The Natufian culture - the harbinger of food of food-producing societies”
- Invited Speaker, July 2018 International Symposium, The Origins of the Upper Paleolithic in Eurasia and the evolution of the genus Homo Denisova Cave, Altai, Russia Title: “Fingerprints of the Past – Recognizing Group Identity through 3D Analysis”
- Invited Speaker, Nov. 2018 Workshop: The Younger Dryas and the Archaeology of the Near East: Towards New Interdisciplinary Approaches, University of Toronto, Canada. Title: “The Late Natufian”
- Plenary Lecture, April 2019 Moscow, invited guest of the Department of Anthropology, Russian Academy of Science. Title: “Application of 3D analysis on bones”
- Plenary Lecture, June 2019 Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing, China. Title: “Computational Archaeology- 3D Tools for Investigating Artifacts”
- Online Invited Speaker, Aug. 2020 Sharma Centre for Heritage Education, India. Title: “3D Tools for Investigating Archaeological Artifacts”
- Online Invited Speaker, Jan. 2021, Prehistoric Department Seminar, Cologne University, Germany. Title: “Integrating 3-D methodology into Prehistoric Research”
- Online Invited Speaker, Feb. 2021, Religion Studies Association “ritual and ceremony” meeting. Title: “Natufian burial rituals at Hilazon Tachtit cave
- Online Invited Speaker, April 2021, International Forum for Neolithic Studies, “OnlineNeolithic” meeting. Title: “Is the Epipaleolithic-Neolithic Boundary Real?”
- Online Invited Speaker, April 2021, Sharma Centre for Heritage Education, India. Title: “The Natufian culture - the harbinger of food-producing societies”

- Invited Speaker, Nov. 2021, Department of Cross-Cultural and Regional Studies, University of Copenhagen, Denmark. Title: “Life and death at the end of the Paleolithic in the Southern Levant”
- Invited Speaker, Feb. 2022, Department of Anthropology, University of Connecticut. Title: “Life and death at the end of the Paleolithic in the Southern Levant”