

# Ehud Weiss – Full CV – 2024

## 1. Personal Information:

Name: **Ehud Weiss**

I.D.: 059829663

Home Address: 73 Hamakabim St., 73142  
Shoham, Israel. PO Box 2179

Tel. home: 972-(0)3-973 0318

Cellular Phone: 054-8070669

E-mail: [eweiss@biu.ac.il](mailto:eweiss@biu.ac.il)

Place of Birth: Tel-Aviv, Israel

Date of Birth: August 27<sup>th</sup>, 1965

Marital status: Married+4

## 3. Education:

1989-1992 Bar-Ilan University, B.A. in the Departments of Land of Israel Studies and Life Science

1995-1996 University College London, Institute of Archaeology, M.Sc. in Bioarchaeology and Geoarchaeology

1996-2002 Bar-Ilan University, the Departments of Land of Israel Studies, Ph.D. in Archaeobotany

## 4. Subject of Ph.D. Dissertation:

*Reconstruction the human economy and society of the Epipalaeolithic site Ohalo II from macrofossil botanical remains.*

## Ph.D. Supervisor:

Prof. Mordechai E. Kislev, Faculty of Life Sciences, Bar-Ilan University

## Post-Doctoral Studies:

Harvard University, Department of Anthropology, Stone Age Laboratory (Prof. Ofer Bar-Yosef)

MacCurdy Post-Doctoral Fellowship in Old World Prehistory and Paleoanthropology. Harvard University, Department of Anthropology.

## Positions in higher educational institutions

- 1990-1994 Area Supervisor, Tell Beit-Shemesh excavations (under the directorship of Dr. S. Bunimovitz), Bar-Ilan University.
- 1992-1993 Tutor (1992) and Tutor Coordinator (1993), Nature, Science & Environment program, Perach: Education & Social project for children with social & learning disabilities, Bar-Ilan University.
- 1993-1996 Research Assistant (Prof. M. Kislev), Archaeobotany Lab., Dept. of Life Sciences, Bar-Ilan University.
- 1994-1996 Archaeology Teacher, Gifted Children Program, Dept. of Education, Municipality of Tel-Aviv.
- 1997-2001 Instructor, Faculty of Life Sciences, Bar-Ilan University.
- 2000-2001 External Teacher, Department of Land of Israel Studies, Bar-Ilan University.

2001-2004	MacCurdy Post-Doctoral Fellowship in Old World Prehistory and Paleoanthropology. Harvard University, Department of Anthropology.
2004-2006	External Teacher, Department of Land of Israel Studies and Archaeology, Bar-Ilan University.
2006-2011	Visiting Scientist, Kimmel Center for Archaeological Science Weizmann Institute of Science.
2006-2012	Senior Lecturer. Department of Land of Israel Studies and Archaeology, Bar-Ilan University.
2012-2018	Associate Professor. Department of Land of Israel Studies and Archaeology, Bar-Ilan University.
2018-	Professor. Department of Land of Israel Studies and Archaeology, Bar-Ilan University.
2016-	Curator of the National Natural Collection of Near Eastern Seeds and Fruits and director of Bar-Ilan's Natural History Collections.

## 6. Instructing Graduate Students.

### A. Names of M.A. Students:

Chen Auman (Associate Instructor A. Faust)  
 Oria Amichai  
 Michal David  
 Hadar Achituv (Associate Instructor N. Alperson)  
 Shila Noyk

### B. Names of Ph.D. Students

Ainit Snir  
 Sue Frumin  
 Daniel Fuks (Associate Instructor G. Bar-Oz)  
 Michal David  
 Meir Horden (Associate Instructor D. Rosenberg)  
 Dror Gotlieb

### C. Post-Doc

Yekaterina Shapira  
 Yoni Waitz

## 7. Scholarships and Prizes

1992	Excellency scholarship from Straus scholarship committee.
1993	Excellency scholarship from Straus scholarship committee.
1995	Excellency scholarship from Krothamer and Shtraus scholarship committees.
1995	Excellency scholarship from the Scholarship Committee, Office of the Academic Secretary, Bar-Ilan University.
1995-1996	The British Council, Foreign and Commonwealth Office - Anglo-Jewish Association Scholarship. £25,000
1998-9	The Rothschild Foundation, Rothschild Fellowship Scholarship. \$35,000
2001-2004	Harvard University, Department of Anthropology, MacCurdy Post-Doctoral Fellowship in Old World Prehistory and Paleoanthropology. \$150,000

## 8. Research Grants

- 2000 Irene Levi Sala CARE Archaeological Foundation, Research Grant. \$5,000
- 2006-2009 "Center of Excellence", Israel Science Foundation, grant No. 300/06, with N. Goren-Inbar, M.E. Kislev, R. Rabinovich and Y. Kronfeld. Title: The effect of climate change on the environment and hominins of the Upper Jordan Valley between ca. 800Ka and 700Ka ago as a basis for prediction of future scenarios. **3,712,500 NIS** (1,237,500 NIS X 3 years).
- 2008-2012 Individual Research Grant, Israel Science Foundation, grant No. 711/08. Title: Economic diversity and space use between occupations of Upper-Palaeolithic Ohalo II: A multi-layer spatial analysis of plant remains. **796,000 NIS** (199,000 NIS X 4 years).
- 2011-2014 F.I.R.S.T. (Bikura) Individual Grants No. 32/11, with A. Maeir. Title: A paleo-perspective on "Invasion Biology": A case study from the Late Bronze Age/Iron Age transition at the archaeological site of Tell es-Safi/Gath. **856,000 NIS** (214,500 NIS X 4 years).
- 2012-2019 SSHRC (Social Science and Humanities Research Council, Canada) Partnership, as CI with H. Greenfield and A. Maeir (PI's). Title: Nature of early neighbourhoods in Southern Levant: Early Bronze Age as Tell es-Safi. **CAN\$2,694,791**
- 2012-2015 White-Levy Program for Archaeological Publications, Harvard University. For the publication of a final report of the archaeobotanical assemblage of Ohalo II. **\$90,000**
- 2013-2017 Individual Research Grant, Israel Science Foundation, grant No. 1179/13. Title: Yoram Cave – environment, diet, and molecular evidences for cereals and fruits domestication from the Chalcolithic Period. **1,000,000 NIS** (250,000 NIS X 4 years).
- 2018-2022 Individual Research Grant, Israel Science Foundation, grant No. 551/18 (with E. Drori and A. Karasik). Title: Next-Gen Seed Identification Key for the archaeobotanist. **1,320,000 NIS** (330,000 NIS X 4 years).
- ~~2023-2028 Moreshet Project "Preserving the National Seed Collections and making the field of food and heritage of our ancestors' accessible"~~  
~~(שימור אוספי הזרעים הלאומיים והנגשת תחום המזון והתרבות של אבותינו) (with T. Fahima and E. Drori, CI). **9,986,000 NIS** for 5 years.~~
- 2023-2028 Individual Research Grant, Israel Science Foundation, grant No. 545/23 (with E. Klein). Title: Desert Treasures – Desiccated Archaeobotanical Remains, from Neolithic to Roman Period Caves in the Judean Desert, as Paleoenvironmental and Paleodietary Proxies. **2,000,000 NIS** (400,000 NIS X 5 years).

#### 9. Organization of Academic Conferences

- 2004 "Ethnobotanist of distant pasts: in honour of Gordon Hillman", The International Society of Ethnobiology - Ninth International Congress, University of Kent, Canterbury, UK, together with A. Fairburn
- 2006 "Changes in Agriculture Economy and Trade in Antiquity, Meeting in honor of Prof. M. Kislev" Bar-Ilan University, Faculty of Life Sciences & the Department of Land of Israel Studies and Archaeology, with O. Simchoni.
- 2011 Young researchers meeting, Israel Antiquity Authority and the Department of Land of Israel Studies and Archaeology, together with E. Baruch, O. Marder and A. Gorzalczany.

### 11. Previous Employments

- 1990-1994 Area supervisor, Tell Beit-Shemesh excavations (Prof. S. Bunimovitz), Bar-Ilan University.
- 1992-1993 Tutor (1992) and Tutor Coordinator (1993), Nature, Science & Environment program, Perach: Education & Social project for children with social & learning disabilities, Bar-Ilan University.
- 1993-1996 Research assistant (Prof. M. Kislev), Archaeobotany Lab., Dept. of Life Sciences, Bar-Ilan University.
- 1994-1996 Archaeology Teacher, Gifted Children Program, Department of Education, Municipality of Tel-Aviv .

### 12. Other Professional Experience

- 2009- Member of the teaching committee, department of the Land of Israel Studies and Archaeology.
- 2011-2012 Member of the young scientist forum of the Israel Academy of Sciences and Humanities.
- 2014- Committee member of the International Work Group for Palaeoethnobotany.
- 2016- Curator of the National Natural Collection of Near Eastern Seeds and Fruits and director of Bar-Ilan's Natural History Collections.

### 13. Fields of Academic Profession

(i) Archaeobotany (Palaeoethnobotany): the study of past human activities via studies of the remains of plants in archaeological contexts - reconstructing of past humans' food and environments, past climate, agricultural practices, commerce and economic relationship, social stratification, habitat, food technology, etc. (ii) Plant domestication and the origin and spread of agriculture: the "Founder crops" – the cereals, the pulses, oil and fiber plants – their wild progenitors, first domestication and spread from the core area outbound .

## *LIST OF PUBLICATION*

### *Refereed Publication*

#### *Books (as author)*

1. Zohary, D., Hopf, M. and **Weiss, E.** Domestication of Plants in the Old World. 4<sup>th</sup> Revised edition. Oxford University Press, Oxford. 2012.
2. Zohary, D., Hopf, M. and **Weiss, E.** 2018. La Domestication des plantes dans l'Ancien Monde Origine et diffusion des plantes domestiquées en Asie du Sud-Ouest, en Europe et dans le Bassin méditerranéen. Quatrième édition. Traduit de l'anglais par Michel Chauvet. Actes Sud.
3. Weiss, E. In prep. Ohalo II – Final Archaeobotanical Report.

#### *Books (as editor)*

4. Fairbairn, A. S. and **Weiss, E.** (Eds.) From Foragers to Farmers: Papers in Honour of Gordon C. Hillman. Oxford: Oxbow Press. 2009.
5. Boaretto, E. Shahack-Gross, R. Shalev, S. Weiner S., and **Weiss E.** (Eds.), Special issue of the Israel Journal of Earth Sciences, entitled "Archaeological Science in Israel". 2009.
6. **Weiss, A.** and Simchoni, O. Changes in Agriculture Economy and Trade in Antiquity, Meeting in honor of Prof. M. Kislev. Meeting Proceedings. Bar-Ilan University (Hebrew and English). 2006.

#### *Articles and Chapters in Books*

7. 1997 **Weiss, A.** and Kislev, M. Using plant remains as a proxy for dating the destruction season of archaeological sites. In: Baruch, E. (ed.), New discoveries in the Coastal Plains. Bar-Ilan University (Heb.).
8. 2001 **Weiss, E.** & Kislev, M. The Economic Activity of Iron Age Ashkelon - Plant Remains as Indicators. In: Sasson, A., Z. Safrai, and Sagiv, N. (Eds.) Novelties in Ashkelon Research. Erez publications, Tel-Aviv. (Heb.)
9. **Weiss, E.**, Buchnik, R. Bar-Oz, G. and Reich, R. 2006. A dump in a sacred place? Two inquiries regarding the dump near the Second Temple. Baruch, E. and Faust, A. (eds) New discoveries in Jerusalem: vol. 12. Pp. 99-107. (Heb.)
10. **Weiss, E.** 2009. Glimpsing into a hut: Economy and Society of Ohalo II's inhabitants. In: Fairbairn, A. S. and Weiss, E. (Eds.) From Foragers to Farmers: Papers in Honour of Gordon C. Hillman. Oxbow Books.
11. **Weiss, E.** 2011. Plant Remains from Kh. er-Rasm. In: Faust, A. and Erlich, A. The Excavations of Kh. er-Rasm: The Changing Faces of the Countryside. Archaeopress: Oxford.
12. **Weiss, E.**, Kislev, M. and Mahler-Slasky, Y. 2011. Plant Remains. Chapter 23. In L. E. Stager, D. M. Master and J. D. Schloen. Ashkelon 3: The Seventh Century

B.C.E. Final Report of the Leon Levy Expedition to Ashkelon. Winona Lake, Ind.: Harvard Semitic Museum / Eisenbrauns.

13. **Weiss, E.**, Kislev, M. E., Simchoni, O. and Nadel, D. 2011. Morphogenetics of dicots and large- and small-grained wild grasses from the Paleolithic Era (Old Stone Age) Ohalo II., Israel (23,000 bp). In: Gyulai, G. (ed.) Plant Archaeogenetics. NOVA Science Publishers Inc.: Hauppauge, N.Y.
14. Nadel D., **Weiss, E.** and H. Tschauer. 2011. Gender-specific indoor space division during the Upper Palaeolithic? A brush hut floor as a case study. In: S. Gaudzinski-Windheuser, O. Joris., M. Sensburg, M. Street and E. Turner (eds.), Site-Internal Spatial Organization of Hunter-Gatherer Societies: Case Studies from the European Palaeolithic and Mesolithic. Papers submitted at the 15th U.I.S.S.P. conference in Lisbon, 2006 (pp. 263-273). Verlag des Römisch-Germanischen Zentralmuseums, Mainz.
15. Faust, A. and **Weiss, E.** 2011. Between Assyria and the Mediterranean World: The Prosperity of Judah and Philistia in the Seventh Century BCE in Context. In T. Wilkinson, S. Sherratt and J. Bennet (eds.) Interweaving worlds: systemic interactions in Eurasia, 7th to 1st millennia BC. Oxford: Oxbow.
16. Ackermann, O., Greenbaum, N., Osband, M., Almogi-Labin, A., Ayalon, A., Bar-Matthews, A., Boaretto, E., Bruins, H. J., Cabanes, D., Horwitz, L. K., Neumann, F. H., Porat, N., Schilman, B., **Weiss, E.**, and Maeir, A. M. 2015. Chapter 19: Soil and Sediments as an Archive of Landscape History: The Case Study of Tell es-Safi/Gath, in the Eastern Mediterranean. Pp. 281-94 in Soils and Sediments as Archives of Environmental Change. Geoarchaeology and Landscape Change in the Subtropics and Tropics, eds. B. Lucke, R. Bäumler and M. Schmidt. Erlanger Geographische Arbeiten Band 42. Erlangen: Palm und Enke Verlag.
17. **Weiss, E.** and Y. Mahler-Slasky. 2016. Jarful of dried figs. In: Bunimovitz, S. and Lederman, Z. Tel Beth-Shemesh: A Border Community in Judah. Renewed Excavations 1990-2000: The Iron Age (Institute of Archaeology, Monograph Series No. 34, Tel Aviv University). Winona Lake, IN: Eisenbrauns.
18. **Weiss, E.** 2017. Palaeolithic Vegetal Diet in the Southern Levant. Pp. 329-336 in Y. Enzel & O. Bar-Yosef (Eds.), Quaternary of the Levant: Environments, Climate Change, and Humans. Cambridge: Cambridge University Press. Pp. 239-335.
19. Frumin, S., Melamed, Y. & **Weiss, E.** 2018. Current vegetation of Tel Tzafit. In: I. Shai; J.R. Chadwick, L. Hitchcock, A. Dagan and J. Uziel (eds.). *Tell it in Gath: Studies in the History and Archaeology of Israel. Essays in Honor of A. M. Maeir on the Occasion of his Sixtieth Birthday*. (Ägypten und Altes Testament, Ugarit-verlag 90 Münster: Zaphon). ([https://www.zaphon.de/epages/83179382.mobile/de\\_DE/?ObjectPath=/Shops/83179382/Products/%22ISBN%20978-3-96327-032-1%22](https://www.zaphon.de/epages/83179382.mobile/de_DE/?ObjectPath=/Shops/83179382/Products/%22ISBN%20978-3-96327-032-1%22))
20. Frumin, S. Melamed Y. and **Weiss, E.** 2020. Canaan 's staples, seasonal vegetables and luxury fruits: finds from Stratum E4. In: Maeir, A. M., and Uziel, J. (eds.) *Tell es-Safi/Gath II: Excavations and Studies*. Ägypten und Altes Testament 105. Münster: Zaphon. ISBN 978-3-96327-128-1; ISSN 0720-9061).

21. Amichay, O. & **E. Weiss**. 2020. The Archaeobotanical Remains. Pp. 645-701 In: D. Ben-Ami and Y. Tchekhanovets (Eds.) *Excavation in the Tyropoeon Valley (Giv'ati Parking Lot) Final Report II: The Byzantine and the Early Islamic Periods*. IAA Reports 66. Israel Antiquities Authority: Jerusalem.
22. Daniel Fuks, Guy Bar-Oz, Yotam Tepper and **Ehud Weiss**. 2021. Flowers and Faeces: Seasonal Signals from Shivta's Early Islamic Rubbish Middens. In: Achim Lichtenberger, Rubina Raja (eds), *The Archaeology of Seasonality*. Studies in Classical Archaeology, vol. 11. Brepols: Turnhout (Belgium).
23. **Weiss, E.** & Mahler-Slasky, Y. 2022. The Archaeobotanical Remains. In: A. Golani (ed.), *The Early Bronze Age Site of Ashqelon Barne'a Part II - The Finds*. IAA Reports. Israel Antiquities Authority: Jerusalem.
24. Peters, I. and **Weiss, E.** 2022. Seeds, Grains and Other Plants Organs. In Y. Gadot (Ed.), *The Landfill of Early Roman Jerusalem: The 2013–2014 Excavations in Area D3* (pp. 277-286). (Ancient Jerusalem Publications (AJP); No. 2). Eisenbrauns; Ancient Jerusalem Publications.
25. Greenfield, H.J., Ross, J., Albaz, S., Greenfield, T.L., Beller, J.A., Frumin, S., **Weiss, E.**, Maeir, A.M. 2022. Household archaeology during the Early Bronze Age of Tell es. -Sâfi/Gath. In *Households in Levantine Archaeology*; Steadman, S., Brody, A.J., Battini, L., Eds.; Archaeopress: Oxford, UK. Pp. 127-163.
26. **Weiss, E.** & Mahler-Slasky, Y. 2023. Plant Remains from Late Early Bronze Age I Deposits from Tel Qashish Area E South. Chapter 23. In: van den Brink, & Matthew J. Adams (ed.). *Salvage excavations at Tel Qashish (Tell Qasis) and Tell el-Wa'er (2010-2013)*. Jezreel Valley Regional Project Studies 1. Columbus (GA): Lockwood Press; 978-1-948488-65-5. Pp. 285-296.
27. Frumin, S., Melamed, Y. & **Weiss, E.** In press. Diet and Agriculture in Canaanite Late Bronze Age Tell es-Şâfi/Gath: The 1997-2015 Seasons. In: *Tel es-Safi/ Gath*, vol 2. Maeir, A. (ed).
28. Frumin, S., Melamed, Y. & **Weiss, E.** In press. The Wheat People of Canaan. In: *"And the Canaanites were then in the Land": New Perspectives on the Late Bronze Age of Southern Canaan and its Surroundings*. de Gruyter. eds. Maeir, A., I. Shai, Ch. McKinny.
29. In Prep. **Weiss, E.**, Lev-Yadon, S. and Mahler-Slasky, Y. Archaeobotanical analysis of the plant remains from Nahariya.

#### *Articles in periodicals*

30. 2002, Nadel D., Tsatskin A., Bar-Yosef Mayer D.E., Belmaker M., Boaretto E., Kislév M.E., Hershkovitz I., Rabinovich R., Simmons T., **Weiss E.**, Zohar I., Asfur O., Emmer G., Ghraieb T., Grinberg E., Halabi H., Weissbrod L., Zaidner Y. The Ohalo II 1999-2000 Seasons of Excavation: a Preliminary Report. Mitekufat Haeven, Journal of the Israel Prehistoric Society 32: 17-48.
- Departmental Rating: B**

31. 2003, Nadel D., Tsatskin A., Bar-Yosef Mayer D.E., Belmaker M., Boaretto E., Kislev M.E., Hershkovitz I., Rabinovich R., Simchoni O. Simmons T., **Weiss E.**, Zohar I., Emmer G., Ghraieb T., Grinberg U., Spivak P., Weissbrod L., Zaidner Y. The Ohalo II 2001 Season of Excavation: a Preliminary Report, Mitekufat Haeven, Journal of the Israel Prehistoric Society 33: 9-36.  
**Departmental Rating: B**
32. 2004, Kislev, M.E. \*, **Weiss, E. \***, Hartman, A. Impetus for sowing and the beginning of agriculture: ground collecting of wild cereals. Proceeding of the National Academy of Science 101(9): 2692-2695.  
\* Equal contribution  
**IF 10.452**  
**Departmental Rating: A+**
33. 2004, **Weiss, E.** & Kislev, M. E. Plant Remains as Indicators for Economic Activity: Iron Age Ashkelon, a Case Study. Journal of Archaeological Science 31: 1-13.  
**IF 2.142**  
**Departmental Rating: A+**
34. 2004, Nadel, D. \*, **Weiss, E. \***, Simchoni, O., Tsatskin, A., Danin, A., & Kislev, M. Stone Age Hut in Israel Yields World's Oldest Evidence of Bedding. Proceeding of the National Academy of Science 101(17): 6821-6826.  
\*Equal contribution  
**IF 10.452**  
**Departmental Rating: A+**
35. 2004, **Weiss, E.**, Wetterstrom, W., Nadel, D. & O. Bar-Yosef. The Broad Spectrum Revisited: Evidence from Plant Remains. Proceeding of the National Academy of Science 101 (26): 9551-9555.  
**IF 10.452**  
**Departmental Rating: A+**
36. 2004, Piperno, D.R. \*, **Weiss, E. \***, Holst, I. & Nadel, D. Processing of wild cereal grains in the Upper Palaeolithic revealed by starch grain analysis. Nature 430 (7000): 670-673.  
\*Equal contribution  
**IF 32.182**  
**Departmental Rating: A+**
37. 2004, Nadel D., Tsatskin A., Belmaker M., Boaretto E., Kislev M. E., Mienis H., Rabinovich R., Simchoni O., Simmons T., **Weiss E.** & Zohar I. On the Shore of a Fluctuating Lake: Environmental Evidence from Ohalo II (19,500 B.P.). Israel Journal of Earth Science 53: 207-223.  
**Departmental Rating: A**
38. 2005, **Weiss, E.**, Kislev, M.E. Simchoni, O. & Nadel, D. Small-Grained Wild Grasses as Staple Food at the 23 000-Year-Old Site of Ohalo II, Israel. Economic Botany 58S: 125-134.  
**IF 1.260**  
**Departmental Rating: A**



39. 2005, Faust, A. & **Weiss, E.**, Judah, Philistia and the Mediterranean World: Reconstructing the Seventh Century BCE Economic System. Bulletin of the American School of Oriental Research 338: 71-92.  
**Departmental Rating: A+**
40. ויס, א. וכסלו, מ. תשס"ה, בוטניקה ארכיאולוגית: שרידי צמחים ככלי לשחזור הסביבה, הכלכלה והחברה בימי קדם, אקרמן, א., פאוסט, א. וא. מאיר (עורכים), ארכיאולוגיה וסביבה, דברי הכנס ה-25, המחלקה ללימודי א"י וארכיאולוגיה ע"ש מרטין (זוס), אוניברסיטת בר-אילן.
41. 2006, **Weiss, E.**, Kislev, M.E. and Hartman, A. Autonomous Cultivation before Domestication. Science 312: 1608-1610.  
**IF 31.853**  
**Departmental Rating: A+**
42. Hartmann, A., Kislev, M. E. & **Weiss, E.** 2006. How and When Was Wild Wheat Domesticated? Science 313: 296-297.  
**IF 31.853**  
**Departmental Rating: A+**
43. Bar-Oz, G., Bouchnick, R., **Weiss, E.**, Weissbrod, L., Lernau, O., Bar-Yosef Mayer, D. E. and Reich, R. 2007. "Holy Garbage": a quantitative study of the city-dump of Early Roman period Jerusalem. Levant 39: 1-12.  
**Departmental Rating: A**
44. **Weiss, E.**, Kislev, M. E., Simchoni, O., Nadel, D. and Tschauer, H. 2008. Plant-food preparation area on an Upper Paleolithic brush hut floor at Ohalo II, Israel. Journal of Archaeological Science 35: 2400-2414.  
**IF: 2.142**  
**Departmental Rating: A+**
45. **Weiss, E.**, Kislev, M. E. 2008. Plant Remains as a Tool for Reconstruction of the Past Environment, Economy and Society: Archaeobotany in Israel. Israel Journal of Earth Science 56: 163-173.  
**Departmental Rating: A**
46. Melamed, Y., **Weiss, E.**, Kislev, M., Simchoni, O. and Goren-Inbar, N. 2011. Extinction of Water Plants in the Hula Valley – Sign of Global Warming? Journal of Human Evolution 60(4):320-327.  
**IF: 4.094**  
**Departmental Rating: A+**
47. **Weiss, E.** & Zohary, D. 2011. The Neolithic founder crops – their biology and archaeobotany. Current Anthropology 52: S237-S254.  
**Departmental Rating: A+**
48. Nadel, D. Piperno, D.R., Holst, I. Snir, A. and **E. Weiss.** 2013. New evidence for the processing of wild cereal grains at Ohalo II, a 23 000-years old campsite on the shore of the Sea of Galilee, Israel.

Antiquity 86 (334): 990-1003.

**Departmental Rating: A**

49. Marder, O., Bridget, A., Ayalon, A., Bar-Matthews, M., Bar-Oz, G., Bar-Yosef Mayer, D., Berna, F., Boaretto, E., Caracuta, V., Frumkin, A., Goder-Goldberger, M., Hershkovitz, I., Latimer, B., Lavi, R., Matthews, A., Weiner, S., **Weiss, E.**, Yas'ur, G., Yeshurun, R., & O. Barzilai. 2013. The Upper Palaeolithic of Manot Cave, Western Galilee, Israel: the 2011-12 excavations.

Antiquity 87 (337):

**Departmental Rating: A**

50. Snir, A. & **Weiss, E.** 2014. A novel morphometric method for differentiating wild and domesticated barley through intra-rachis measurements.

Journal of Archaeological Science 44: 69–75

**IF: 2.142**

**Departmental Rating: A+**

51. Caracuta, V., **Weiss, E.**, van den Brink, E.C.M., Liran, R., Vardi, J. and O. Barzilai. 2014. From Natural Environment to Human Landscape: New Archaeobotanical Data from the Neolithic Site of Nahal Zippori 3, Lower Galilee. NEO-LITHICS, The Newsletter of Southwest Asian Neolithic Research 1/14: 33-41.

52. Ackermann, O., Greenbaum, N., Bruins, H., Porat, N., Bar-Matthews, M., Almogi-Labin, A., Schilman, B., Ayalon, A., Kolska Horwitz, L., **Weiss, E.** & Maeir, A.M. 2014. Palaeoenvironment and Anthropogenic Activity in the Southeastern Mediterranean since the mid-Holocene: The Case of Tell es-Safi/Gath, Israel.

Quaternary International 328–329: 226–43.

**IF: 2.062**

**Departmental Rating: A**

53. Ackermann, O., Greenbaum, N., Ayalon, A., Bar-Matthews, A., Boaretto, E., Bruins, H., Cabanes, D., Horwitz, L. K., Neumann, F., Porat, N., **Weiss, E.**, and Maeir, A. M. 2014. Using Palaeo-Environmental Proxies to Reconstruct Natural and Anthropogenic Controls on Sedimentation Rates, Tell es-Safi/Gath, Eastern Mediterranean.

Anthropocene 8:70-82.

**Departmental Rating: B**

54. Snir A, Nadel D, & **Weiss E.** 2015. Plant-food preparation on two consecutive floors at Upper Paleolithic Ohalo II, Israel.

Journal of Archaeological Science 53(0):61-71.

**IF: 2.142**

**Departmental Rating: A+**

55. Hartmann-Shenkman, A. Galili, E. Kislev, M.E. & **Weiss, E.** 2015. Invading a new niche: Obligatory weeds at Neolithic Atlit-Yam, Israel.

Vegetation History and Archaeobotany 24: 9-18

**IF: 1.908**

**Departmental Rating: A**

56. **Weiss, E.** 2015. "Beginnings of Fruit Growing in the Old World" – two generations later.  
Israel Journal of Plant Sciences 62: 75-85.  
**Departmental Rating: A**
57. Snir, A., Nadel, D., Groman-Yaroslavski, I., Melamed, Y., Sternberg, M. Bar-Yosef, O. and **Weiss, E.** 2015. The Emergence of Proto-Weeds and Cultivation Predates Agriculture.  
PLOS ONE 10(7): e0131422.  
**IF: 3.2**  
**Departmental Rating: A**
58. Frumin, S. Maeir, A.M. Kolska Horwitz, L. and **Weiss, E.** 2015. Studying Ancient Anthropogenic Impact on Current Floral Biodiversity in the Southern Levant as reflected by the Philistine Migration.  
Scientific Reports 5:13308.  
**IF: 5.5**  
**Departmental Rating: A**
59. א. אקרמן, א. וייס, י. ז'בלב, א. מאיר, ס. פרומין, ל. קולסקה הורביץ. 2015. נקודות מפתח בתקופת הפלאו-אנתרופוקן (Palaeo-Anthropocene) בישראל – פעילות אנושית בעבר כמעצבת המרחב של הנוף הנוכחי.  
הרשת הגיאוגרפית 8(4): 61-74.
60. Olsvig-Whittaker, L., Maeir, A. M., **Weiss, E.**, Frumin, S., Ackermann, O., and Horwitz, L. K. 2015. Ecology of the Past - Late Bronze and Iron Age Landscapes, People and Climate Change in Philistia (the Southern Coastal Plain and Shephelah), Israel.  
Journal of Mediterranean Ecology 13: 5 7-75.  
**Departmental Rating: B**
61. Mascher, M., Schuenemann, V. J., Davidovich, U., Marom, N., Himmelbach, A., Hübner, S., Korol, A., David, M. Riehl, S., Schreiber, M., Vohr, S. H., Green, R. E. Dawson, I. K., Russell, J., Kilian, B., Muehlbauer, G. J., Waugh, R., Krause<sup>#</sup>, J., Fahima<sup>#</sup>, T., **Weiss<sup>#</sup>, E.**, Stein<sup>#</sup>, N. 2016. Genomic evidence from 6000-year old grains sheds new light on barley domestication history.  
<sup>#</sup> = corresponding authors.  
Nature Genetics 48(9): 1089-1093.  
**IF: 27.959**  
**Departmental Rating: A+**
62. Fuks, D., **Weiss, E.** Tepper, Y. & Bar-Oz, G. 2016. Seeds of collapse? Reconstructing the ancient agricultural economy at Shivta in the Negev.  
Antiquity 90 (353): e5: 1-5  
**Departmental Rating: A**
63. Groman-Yaroslavski, I., **Weiss, E.** and Nadel, D. 2016. Composite sickles and cereal harvesting methods at 23,000-years-old Ohalo II, Israel.  
PloneOne 11(11): e0167151.  
**IF: 3.2**  
**Departmental Rating: A**

64. Eliyahu-Behar, A., Shai, I., Gur-Arieh, S., Frumin, S. Albaz, S., **Weiss, E.**, Manclossi, F., Rosen, S., Greenfield, T. L., Greenfield H. J. and A. M. Maeir. 2017. Early Bronze Age pebble installations from Tell es-Safi/Gath, Israel: evidence for their function and utilization. Levant 49(1): 46-63.  
**Departmental Rating: A**
65. Fuks, D., Ackermann, O., Zilberman, T., Ayalon, A., Bar-Matthews, M., Bar-Oz, G., Levi, Y., Maeir, A.M., **Weiss, E.** and Safrai, Z. 2017. Dust Clouds, Climate Change and Coins: Consiliences of Paleoclimate and Economic History in the Late Antique Southern Levant. Levant 49(1): 205-223  
**Departmental Rating: A**
66. Drori, E., Marrano, A., Rahimi, O. Henig, Y., Brauner, H., Salmon-Divon, M., Netzer, Y., Prazzoli, M-L., Stanevsky, M., Failla, O., **Weiss E.** and M.S. Grando. 2017. Collection and characterization of grapevine genetic resources (*Vitis vinifera*) in the Holy Land, towards the renewal of ancient winemaking practices. Scientific Reports 7: 44463.  
**IF: 5.5**  
**Departmental Rating: A**
67. Paz, Y., Ackermann, O., Avni, Y., Ben-Hur, M. Birkenfeld, M., Langgut, D., Mizrahi, S., **Weiss, E.** Porat, N. 2017. An Early Bronze Age Fertilized Agricultural Plot Discovered near Tel Yarmouth, Ramat Bet Shemesh, Israel Journal of Archaeological Science 15: 226-234  
**IF 2.142**  
**Departmental Rating: A**
68. Faust, A., Katz, H., Sapir, Y., Avraham, A., Marder, O., Bar-Oz, G., **Weiss, E.**, Auman-Chazan, C., Hartmann-Shenkman, A., Sadiel, T., Vilnay, O., Tsesarsky, M., Pariente S., Ackerman, O., Timmer, N., Katz, O., Langgut, D. & M. Benzaquen. 2017. The Birth, Life and Death of an Iron Age House at Tel 'Eton, Israel: A Preliminary Analysis. Levant 49(2): 136-173  
**Departmental Rating: A**
69. Ackermann, O., **Weiss, E.**, Svoray, T., Zhevelev, H. M., Frumin, S., Maeir, A., Kolska Horwitz, L. 2017. The Paleo-Anthropocene of the Eastern Mediterranean: Investigating the Genesis of the Current Landscape of Israel. Journal of Landscape Ecology 10(3): 109-140  
**Departmental Rating: Not in current list**
70. Karasik, A., Rahimi, O., David, M., E. Weiss\* and E. Drori.\* 2018. Development of a 3D seed morphological tool for grapevine variety identification, and its comparison with SSR analysis Scientific Reports 8: 6545  
**IF: 5.5**  
**Departmental Rating: A**
71. **Weiss, E.**, Mahler-Slasky, Y., Melamed, Y., Bunimovich, S., Lederman, Z., Bubel, S. and D. Manor. 2019. Foreign plant food as prestigious gift: the archaeobotany of Amarn age palace at Tel Beth Shemesh, Israel.

**Departmental Rating: A+**

72. Frumin, S. and **E. Weiss**. 2018. Plant use in the Bronze and Iron Ages at Tell es-Sāfi /Gath.

Near Eastern Archaeology Accepted

**Departmental Rating: A**

73. Amichay, O., Ben-Ami, D., Tchekhanovets, Y., Shahack-Gross, R., Fuks, D. and **Weiss, E.** 2019. A Bazaar Assemblage: Reconstructing the Economy of Abbasid Jerusalem from Mineralised Seeds in a Local Marketplace.

Antiquity 93 (367): 199-217

**Departmental Rating: A**

74. Frumin, S., Frumin, M. and **Weiss, E.** 2019. When Alexander Eig met Nikolai Ivanovich Vavilov – an influential meeting for Israeli botany.

Israel Journal of Plant Sciences 66 (1-2): 7-18

**Not in Departmental Rating. IF: 0.672**

75. פורת, ר., קלמן, י., צ'אצ'י, ר., טרם, ש., בר-נתן, ר., ויס, אקר, א., בן-גדליה, צ. וא. דרורי. 2018. יקב ומחסן יין מלכותי של הורדוס במבנה המעטפת של ארמון-מבצר ההר בהרודיון. קדמוניות 156: 106-114.

**Departmental Rating: B**

76. Dunseth, Z.C., Fuks, D., Langgut, D., **Weiss, E.**, Butler, D.H., Yan, X., Boaretto, E., Tepper, Y., Bar-Oz, G., Shahack-Gross, R. 2019. Archaeobotanical proxies and archaeological interpretation: a comparative study of phytoliths, pollen and seeds in dung pellets and refuse deposits at Early Islamic Shivta, Negev, Israel.

Quaternary Science Reviews 211: 166-185

**Departmental Rating: A**

77. Bar-Oz, G., Weissbrod, L., Erickson-Gini, T., Tepper, Y., Malkinson, D., Benzaquen, M., Langgut, D., Dunseth, Z.C., Butler, D.H., Shahack-Gross, R., Roskin, Y., Fuks, D., **Weiss, E.**, Marom, N., Ktalav, I., Blevis, R., Zohar, I., Farhi, Y., Filatova, A., Gorin-Rosen, Y., Yan, X., Boaretto, E., 2019. Ancient trash mounds unravel urban collapse a century before the end of Byzantine hegemony in the southern Levant.

Proceeding of the National Academy of Science 116: 8239-8248

**IF 10.452**

**Departmental Rating: A+**

78. Maeir, A. M., Ben-Shlomo, D., Cassuto, D., Chadwick, J. R., Davis, B., Eliyahu Behar, A., Frumin, S., Gur-Arieh, S., Hitchcock, L. A., Horwitz, L. K., Manclossi, F., Rosen, S., Verduci, J., Welch, E. L., **Weiss, E.**, and Workman, V. 2019. Technological Insights on Philistine Culture: Perspectives from Tell es-Safi/Gath.

Journal of Eastern Mediterranean Archaeology and Heritage Studies 7(1): 76–118.

79. Achituv, H., **Weiss, E.** Alperson-Afil, N. 2019. Breaking the mold of Natufian basalt mortars: experimental production and archeological implications.

Journal of Paleolithic Archaeology 2: 98.

<https://doi.org/10.1007/s41982-018-0017-7>

80. Hartman, G., Brittingham, A., Gilboa, A., Hren, M., Maas, K., Pilver, J., **Weiss, E.** 2020. Post-charring diagenetic alteration of archaeological lentils by bacterial degradation.

*Journal of Archaeological Science*, 117:105119

<https://doi.org/10.1016/j.jas.2020.105119>

**IF 2.142**

**Departmental Rating: A**

81. Aviad Sivan, Oshrit Rahimi, Mail SalmonDivon, **Ehud Weiss**, Elyashiv Drori, Sarel Hübner. 2020. Genomic Evidences Support an Independent History of Grapevine Domestication in the Levant.

BioRxiv <https://www.biorxiv.org/content/10.1101/2020.07.11.198358v1>

79. Sharma, Rajiv, Salar Shaaf, Kerstin Neumann, Yu Go, Martin Mascher, Michal David, Adnan Al-Yassin, Hakan Özkan, Tom Blake, Sarel Hübner, Nora P. Castañeda-Álvarez, Stefania Grando, Salvatore Ceccarelli, Michael Baum, Andreas Graner, George Coupland, Klaus Pillen, **Ehud Weiss**, Ian J Mackay, Wayne Powell, Benjamin Kilian. 2020. On the origin of photoperiod non-responsiveness in barley.

BioRxiv: <https://doi.org/10.1101/2020.07.02.185488>

80. Fuks, D., Bar-Oz, G., Tepper, Y., Erickson-Gini, T., Langgut, D., Weissbrod, L., Weiss, E. 2020. The rise and fall of viticulture in the Late Antique Negev Highlands reconstructed from archaeobotanical and ceramic data.

*Proceedings of the National Academy of Sciences* 117 (33) 19780-19791.

DOI: 10.1073/pnas.1922200117

**Departmental Rating: A+**

81. פרומין, ס. פרומין, ט. וא. ויס. הגנטיקאי שסטלין הרג – מכתב עלום של נילוב (1926) השופך אור חדש על התפתחות המחקר החקלאי והבוטני בארץ ישראל. קתדרה 177, טבת תשפ"א, עמ' 60-35.

**Departmental Rating: A+**

82. Fuks, D., O. Amichay and E. Weiss (2020). "Innovation or preservation? Abbasid aubergines, archaeobotany, and the Islamic Green Revolution."

*Archaeological and Anthropological Sciences* 12(2): 50.

<https://doi.org/10.1007/s12520-019-00959-5>

83. Landa, V., Shapira, Y., David, M., Karasik, A., **Weiss, E.**, Reuveni, Y., Drori, A. 2021. Utilizing machine-learning-based 3D image analysis for classifying charred grape seeds to the varietal level.

*Research Square*. DOI: 10.21203/rs.3.rs-85313/v1

84. Frumin, S., Melamed, Y., Maeir, A. M., Greenfield, H. J., and **Weiss, E.** 2021. Agricultural subsistence, land use and long-distance mobility within the Early Bronze Age southern Levant: Archaeobotanical evidence from the urban site of Tell eṣ-Şâfi/Gath.

*Journal of Archaeological Science: Reports* 37: 102873

85. Sivan, A, Rahimi, O, Lavi, B, Salmon-Divon, M., **Weiss, E.**, Drori, E., Hübner, S. 2021. Genomic evidence supports an independent history of Levantine and Eurasian grapevines. *Plants, People, Planet* 2021; 00: 1– 14. <https://doi.org/10.1002/ppp3.10197>
86. Landa, V., Shapira, Y., David, M., Karasik, A., Weiss, E., Reuveni, Y., Drori, A. 2021. Accurate classification of fresh and charred grape seeds to the varietal level, using machine learning based classification method. *Scientific Reports* 11, 13577 (2021). <https://doi.org/10.1038/s41598-021-92559-4>
87. Ashkenazi, H., Langgut, D., Lev-Yadun, S., **Weiss, E.**, Liphshitz, N., Kahila Bar-Gal, G., Goren, Y. 2021. Microhistory in Archaeology and Its Contribution to the Archaeological Research: The Burial from “The Cave of the Warrior” as a Test Case. *Journal of Eastern Mediterranean Archaeology and Heritage Studies* 9(4): 376-394.
88. Guo, Y., Himmelbach, A., **Weiss, E.**, Stein, N. and Mascher, M. 2022. Six-rowed wild-growing barleys are hybrids of diverse origins. *The Plant Journal* 111: 849-858. <https://doi.org/10.1111/tpj.15861>
79. David, M., Kislev, M., Melamed, Y., Ben-Yosef, E. & **E. Weiss**. 2022. Plant Remains from Rothenberg’s Excavations in Timna: Smelters’ Food and Cultic Offerings at the Turn of the First Millennium BCE. *Tel Aviv* 49(2): 230-249. [DOI: 10.1080/03344355.2022.2102110](https://doi.org/10.1080/03344355.2022.2102110)
80. Dong, Y., et al. 2023. Dual domestications and origin of traits in grapevine evolution. *Science* 379(6635): 892-901. [doi:10.1126/science.add8655](https://doi.org/10.1126/science.add8655)
81. מ. דוד, מ. כסלו, י. מלמד, א. בן-יוסף, א. ויס. 2023. מזון, מערך אספקה ומנחות פרי בממצא הבוטני מאתרי תקופות הברונזה המאוחרת והברזל הקדום בבקעת תמנע. מחקרי הנגב, ים-המלח והערבה 14 (2-4): 188-200.  
Food provisioning, offerings and dietary items as reflected by the Late Bronze and Iron Ages archaeobotanical remains from Timna (in Hebrew) [Negev, Dead Sea and Arava Studies 14 (2022): 188-200]
82. Cohen, P., Bacilieri, R., Ramos-Madriral, J., Privman, E., Boaretto, E., Weber, A., Fuks, D., **Weiss, E.**, Erickson-Gini, T., Bucking, S., Tepper, Y., Cvikel, D., Schmidt, J., Gilbert, M. Th. P. Wales, N., Bar-Oz, G., Meiri, M. 2023. Ancient DNA from a lost Negev Highlands desert grape reveals a late antiquity wine lineage. *Proceedings of the National Academy of Sciences* 120 (17) e2213563120 (1-8). [doi:10.1073/pnas.2213563120](https://doi.org/10.1073/pnas.2213563120)
83. ה. אשכנזי, ד. לנגוט, ש. לב-ידון, א. ויס, ג. כחילה, נ. ליפשיץ וי. גורן. 2023. הביוגרפיה של הנקבר ממערת הלוחם: מקרה מבחן למחקר מיקרו-היסטורי בארכאולוגיה. *קדמוניות* 165: 13-23.

84. Frumin, S. Maeir, A. M. **E. Weiss**. Continuous evolvement of the constant diet of the southern Levant of 3rd to 1st millennia BCE: Macro-botanical proxies from Tell eṣ-Şâfi/Gath.  
*Journal of Archaeological Science: Reports* 50 (2023) 104091: 1-10.  
<https://doi.org/10.1016/j.jasrep.2023.104091>
85. Rachimi, O. Ziffer Berger, J. Shtein, I. Kher, M. Frumin, S. Hubner, S. **Weiss**, E. E. Drori. 2023. Wild grapevine (*Vitis vinifera* L. subsp. *Sylvestris* (C.C. Gmelin) Hegi) – Novel species from Israel.  
*Horticulturae* 2023, 9(9), 998. <https://doi.org/10.3390/horticulturae9090998>
86. Fuks, D., Melamed, Y., Langgut, D., Erickson-Gini, T. Tepper, Y., Bar-Oz, G., **Weiss, E.** 2023. Unprecedented yet gradual nature of first millennium CE intercontinental crop plant dispersal revealed in ancient Negev desert refuse.  
*eLife* 12:e85118.  
<https://doi.org/10.7554/eLife.85118>
87. Fuks, D., Schmidt, F., Garcia-Collado, M.I., Besseiche, M., Payne, N., Bosi, G., Bouchaud, Ch., Castiglioni, E., Dabrowski, V., Frumin, S., Fuller, D.Q., Hovsepyan, R., Muthukumaran, S., Peña-Chocarro, L., Pérez Jordá, P., Ros, J., Rottoli, M., Ryan, Ph., Spengler, R., Stevens, Ch.J., Valamoti, S. M., **Weiss, E.**, Alexander, M., Gros-Balthazard, M. 2024. Orphan crops of archaeology-based crop history research.  
*Plants, People, Planet*, 1-28.  
<https://doi.org/10.1002/ppp3.10468>
88. David, M., Y. Shapira, A. Karasik, E. Drori and E. Weiss. 2024. "Grapevine Variety Identification—Methodological Aspects :Sample Preparation, Three-Dimensional Positioning and Morphological Comparison."  
*'Atiqot* 114: 193-212.  
<https://www.jstor.org/stable/27309860>.
89. Reuveni, Y., Landa, V., Shapira, Y., Behar, A., Ben-Arie, R., **Weiss, E.**, and Drori, E. 2023. Determination of charring conditions of archaeological grape seeds, towards machine-learning based classification.  
*Research Square*  
<https://doi.org/10.21203/rs.3.rs-3758100/v1>
90. Nickelsberg, R., Levy, T. E., Shahack-Gross, R., Tamberino, A., McAvoy, S., Bermatov-Paz, G., Marom, N., Arkin Shalev, **E., Weiss, E.**, Frumin, S., Yasur-Landau, A. Continuity and climate change: the Neolithic coastal settlement of Habonim North, Israel.  
*Antiquity*. Published online 2024:1-20.  
<http://dx.doi.org/10.15184/aqy.2024.32>
91. David, M., U. Avner, **E. Weiss**, O. Lernau and L. K. Horwitz. 2024. "Miners' diet in the Naḥal 'Amram copper mines (southern 'Arabah Valley) during the Roman-Byzantine periods."  
*Journal of Arid Environments* 224: 105218.  
<https://doi.org/10.1016/j.jaridenv.2024.105218>



92. Landa, V., Y. Shapira, A. Eliyahu-Behar, R. L. Ben-Arie, **E. Weiss**, Y. Reuveni and E. Drori (2024). "Setting the morphologic quality limits enabling accurate classification of charred archaeological grape seeds." *Scientific Reports* 14(1): 16148. <https://doi.org/10.1038/s41598-024-66896-z>

## Papers in preparation

93. Yael Lev-Mirom<sup>1,2†</sup>, Nimrod Ashkenazy<sup>1†</sup>, Valentyna Klymiuk<sup>3†</sup>, Jennifer Enns<sup>3</sup>, Krysta Wiebe<sup>3</sup>, Verena J. Schuenemann<sup>4,5,6</sup>, Bar A. Lavi<sup>1</sup>, Torsten Günther<sup>7</sup>, Tamar Krugman<sup>8</sup>, Hanan Sela<sup>8</sup>, Eitan Klein<sup>9</sup>, Amir Ganor<sup>9</sup>, Uri Davidovich<sup>10</sup>, Roi Porat<sup>10</sup>, Erez Ben-Yosef<sup>11</sup>, Sivan Frankin<sup>12</sup>, Roi Ben David<sup>12</sup>, Abraham Korol<sup>2,8</sup>, Martin Mascher<sup>13,14</sup>, Axel Himmelbach<sup>13</sup>, Nils Stein<sup>13,15</sup>, Johannes Krause<sup>16</sup>, Assaf Distelfeld<sup>2,8</sup>, Ehud Weiss<sup>17\*</sup>, Tzion Fahima<sup>2,8\*</sup>, Curtis J. Pozniak<sup>3\*</sup>, Sariel Hübner. Ancient Grains Excavated in Desert Caves Illuminate the Domestication Saga of Wheat.

94. דוד, מ., דוידוביץ', א., מרום, נ., פורת, ר., מלמד, י. ו.א.ויס. מקורות מזון בסביבה עוינת – מערת המפלט הכלקוליתית במצדה.

95. Bar-Oz, G., Weissbrod, L., Erickson-Gini, T., Malkinson, D., Benzaquen, M., Langgut, D., Marom, N., Dunseth, Z.C., Shahack-Gross, R., Fuks, D., **Weiss, E.**, Blevis, R., Zohar, I., Ktalav, I., Farhi, Y., Tepper, Y., and E. Boaretto. In Prep. Social response to crisis documented in urban trash mounds of the Byzantine period of the Negev Desert, southern Levant.

### Radiocarbon

96. Sharma, Rajiv, Salar Shaaf, Kerstin Neumann, Yu Go, Martin Mascher, Michal David, Adnan Al-Yassin, Hakan Özkan, Tom Blake, Sariel Hübner, Nora P. Castañeda-Álvarez, Stefania Grando, Salvatore Ceccarelli, Michael Baum, Andreas Graner, George Coupland, Klaus Pillen, **Ehud Weiss**, Ian J Mackay, Wayne Powell, Benjamin Kilian. Submitted to *Molecular Biology and Evolution*. On the origin of photoperiod non-responsiveness in barley.

BioRxiv: <https://biorxiv.org/cgi/content/short/2020.07.02.185488v1>

97. Hartmann-Shenkman, A. Auman-Hazan, Ch., Melamed, Y., Faust, A. and **Weiss, E.** In Prep. The "pantry" of Tel 'Eton, Israel – Vessels and their content.

98. **Weiss, E.**, Mahler-Slasky, Y., Khalaily, H., Milevski, I. In Prep. The archaeobotanical assemblage of Yiftahel – new insight into the PPNB vegetal diet.

### *Poster presentations*

99. A. Snir, E. Mintz, N. R. Rebollo, D. Nadel, **E. Weiss, E. Boaretto**. Can Humic substances concentration in charred material, be used as an indicator of exposure to heat? *Radiocarbon and Archaeology*, 6<sup>th</sup> International Symposium, Pafos, Cyprus, April 10-15, 2011.

100. Fuks, D., **Weiss, E.** and Bar-Oz, G. Reconstructing the Agricultural System of the Byzantine Negev (Israel). 17<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany. Paris, France. July 3-10, 2016.

101. שדות חקלאיים עתיקים במרחב של תל ירמות אורן אקרמן, יצחק פז, יואב אבני, מיכל בירקנפלד, מני בן-חור, **אהוד ויס**, דפנה לנגוט, סיון מזרחי, נעמי פורת. הכנס השנתי של האגודה הגאוגרפית הישראלית, אוניברסיטת תל אביב, חנוכה תשע"ז, כ"ה-כ"ז בכסלו, 27-25 בדצמבר 2016.

102. Hartmann-Shenkman, A. & **Weiss, E.** Rich refugees? The economic status of the Bar-Kokhba rebels (135 AD) in the Judean Desert. The 18th Conference of the International Workgroup for Palaeoethnobotany (IWGP), Lecce, Italy, June 3-8, 2019.

103. David, M., Drori, E., Karasik, A. & **Weiss, E.** A 3D Tool for Identification of Grapevine Varieties – Samples Preparation, Scanning and Analysis. 2nd International Congress on Archaeological Sciences in the Eastern Mediterranean and the Middle East (ICAS-EMME 2). 12-14 November 2019. The Cyprus Institute, Nicosia, Cyprus.

### *Non-refereed publications*

104. 2002, Kislev, M., Simchoni, O. & **Weiss, E.**, Reconstruction of the landscape, human economy, and huts use by the botanical remains found at Ohalo II. In: Nadel, D. (ed.) Ohalo II – A 23,000-Year-Old Fisher-Hunter-Gatherers' Camp on the Shore of the Sea of Galilee. Hecht Museum, University of Haifa, Catalogue No. 20, pp. (Heb.)

105. 2002, Kislev, M., Simchoni, O. & **Weiss, E.**, Reconstruction of the landscape, human economy, and huts use by the botanical remains found at Ohalo II. In: Nadel, D. (ed.) Ohalo II – A 23,000-Year-Old Fisher-Hunter-Gatherers' Camp on the Shore of the Sea of Galilee. Hecht Museum, University of Haifa, Catalogue No. 20, pp. \*21-\*23.

106. 2005, **Weiss, E.**, Des Moissons avant L'Agriculture. La Recherche 382: 62-65.

107. 2005, **Weiss, E.** & Kislev, M.E. Weeds & Seeds, what archaeobotany can teach us. Biblical Archaeology Review 30 (6): 32-37.

108. 2006, **Weiss, E.** & Melamed, Y. A preliminary archaeobotanical analysis of the plant remains from City of David, visitor center, 2005.

109. 2018. Peters, E. and **Weiss, E.** Ancient Seeds of Knowledge. In: Gadot, Y. Jerusalem and the Holy Land(fill). Biblical Archaeology Review 44 (1): 37-45.



## *PAPERS PRESENTED AT SCIENTIFIC CONFERENCES*

### **1995**

1. **E. Weiss** and M. Kislev. Archaeobotanical dating of the month of Ashkelon destruction – the strength of evidence. 10<sup>TH</sup> symposium of the International Work Group for Palaeoethnobotany, Innsbruck.

### **1998**

2. **E. Weiss**. Food migration: decline of tef enjera eating culture among Ethiopian immigrants. 11<sup>TH</sup> symposium of the International Work Group for Palaeoethnobotany, Toulouse.

### **2002**

3. **E. Weiss** and M. Kislev. Small grasses and cereals as staple food at Epipalaeolithic Ohalo II, Israel. 43rd meeting of the society of Economic Botany, NY Botanical Gardens, NY.
4. **E. Weiss** and M. Kislev. Construction and destruction of Philistine Ashkelon: A View from the Plant Remains. American School of Oriental Research, Annual Meeting, Toronto, Canada.
5. **E. Weiss**. Upper Palaeolithic Levantine Economy and Environment: The View from Ohalo II. Washington University at St. Louis, Dept. of Anthropology, Colloquium Series. Invited lecture.

### **2003**

6. **E. Weiss**. The Ohalo II way-of-life: a broad spectrum plant assemblage from the Upper Palaeolithic. Harvard University, Dept. of Anthropology, Seminar series. Invited lecture.
7. **E. Weiss**. Baking at Ohalo II, some 23,000 years ago. Society of American Archaeologists 68th Annual Meeting, Milwaukee, Wisconsin.
8. **E. Weiss**. Construction, Destruction, and Trade in Philistine Ashkelon: The Evidence from the Plant Remains. Harvard University, Dept. of Near-Eastern Languages and Civilizations & The Semitic Museum, Seminar series. Invited lecture.
9. **E. Weiss**. Ohalo II: Plant Remains from the edge of the Sea of Galilee. Boston University, Department of Archaeology. Invited lecture.

### **2004**

10. **E. Weiss**. The Broad Spectrum Revolution: evidences from the plant remains. 13th Symposium of the International Work-Group for Palaeoethnobotany, Girona, Spain.
11. **E. Weiss** and A. Faust. From weeds to world trade, locating ancient wheat fields and tracing 7th century BCE trade pattern with weed assemblages. 13th Symposium of the International Work-Group for Palaeoethnobotany, Girona, Spain.
12. **E. Weiss**. Ethnobotanist of the distant past, introduction to the symposium in honor of Gordon Hillman. Society of Economic Botany 2004 Meeting, University of Kent at Canterbury, UK.
13. **E. Weiss**. Faces among the plants: the economy and society of Ohalo II's dwellers. Society of Economic Botany 2004 Meeting, University of Kent at Canterbury, UK.
14. A. Faust and **E. Weiss**. Trade and settlement expansion in the seventh century BCE: Judah, Philistia, and the Mediterranean world. American School of Oriental Research, Annual Meeting, San Antonio, Texas, USA.

15. **Weiss, E.** “The baker (from Ohalo) should not testify for his dough” the beginning of grinding and baking in the end of the Upper Palaeolithic. The annual meeting of the Israel prehistoric society, Jerusalem. (Heb.)

#### 2005

16. **Weiss, E.** Morning cereals in hunter-gatherers’ camp – Ohalo II. Departmental seminar, the Institute of Archaeology, Hebrew University, Jerusalem. (Heb.)  
Invited lecture.
17. **Weiss, E.** The plant remains from Ohalo II as a key for the reconstruction of the environment and past lifestyle, and as a background for the beginning of agriculture. The department of Evolution, Systematics and Ecology, Hebrew University, Jerusalem. (Heb.)  
Invited lecture.
18. **Weiss, E.** and Faust, A. From wheat grains to macro-economy: Judah, Philistia and the economic system of the Near East in the 7<sup>th</sup> century BCE. The 31<sup>st</sup> Archaeological Congress, The Society for the study of the Land of Israel and its Antiquities and the Israel Antiquity Authority. (Heb.)
19. **Weiss, E. and Kislev, M.** Archaeobotany: plant remains as a tool for the reconstruction of the environment, the economy and the society in antiquity. Archaeology and Environment – The 25<sup>th</sup> meeting of the Department of Land of Israel Study and Archaeology, Bar-Ilan University. Invited lecture. (Heb.)
20. **Weiss, E.** Daily life in the Palaeolithic site Ohalo II as attested by its archaeobotanical find. The annual meeting of the Jordan Valley Academic College. Invited lecture. (Heb.)
21. **Weiss, E.** The botanical evidences for the broad spectrum revolution. Departmental seminar, the Institute of Archaeology, Haifa University. Invited lecture. (Heb.)

#### 2006

22. **E. Weiss.** Sowing the seeds of cultivation: the archaeobotanical perspective. Weizmann Institute of Science, Kimmel Center for Archaeological Science. Invited lecture.
23. D. Nadel, **E. Weiss.** Space division of domestic activities preserved on a 23,000 years old floor at Ohalo II, Israel. International Union for Prehistoric and Protohistoric Sciences, XVth congress, Lisbon, Spain.
24. **Weiss, E.** From collecting to sowing: the archaeobotanical evidences for the beginning of agriculture in our region. The Hebrew University, The Institute of Life Science. Invited lecture. (Heb.)
25. **Weiss, E.** The Israeli archaeobotany and its contribution to the research of the beginning of agriculture. Changes in Agriculture Economy and Trade in Antiquity, Meeting in honor of Prof. M. Kislev. Bar-Ilan University, Faculty of Life Sciences & the Department of Land of Israel Studies and Archaeology. (Heb.)
26. **Weiss, E.,** Buchnik, R. Bar-Oz, G. and Reich, R. A dump in a sacred place? Two inquiries regarding the dump near the Second Temple. New discoveries in Jerusalem – the 12<sup>th</sup> meeting, Bar-Ilan University.

#### 2007

27. **E. Weiss,** R. Rabinovich and I. Zohar. “Palaeolithic Diet” and Mediterranean Diet”: are they really based on archaeological finds? The 19<sup>th</sup> meeting of Israel Prehistoric Society, Bar-Ilan University. (Heb.)

28. **E. Weiss.** “Pioneer Crops” Prior to “Founder Crops”. 14<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany, Kraków, Poland.
29. **E. Weiss, R. Rabinovich, D. Nadel and Z. Madar.** The dietary-environmental potential of 23,000 years old Ohalo, a hunter-gatherers site in Israel. Symposium: Delving Deeper into Subsistence: Integrating Plant and Animal Data. Annual Meeting of the Society for American Archaeology, Austin.

## 2008

30. **A. Faust & E. Weiss.** Between Assyria and the Mediterranean World: The Prosperity of Judah and Philistia in the 7th Century BCE in Context. Ancient World Systems, What Would A Bronze Age World System Look Like? World Systems Approaches To Europe And Western Asia 4th To 1st Millennia BC, Sheffield, UK.
31. **E. Weiss.** Reconstruction of the Landscape, Human Economy, and Hut Use According to Seeds and Fruit Remains from Ohalo II. “Natural science as a work tools in archaeology” Symposium. The National Museum of Denmark, Copenhagen.
32. **E. Weiss.** Who's in the shade? Gender, plants, and flints in Upper Palaeolithic Ohalo II, Israel. George Pitt-Rivers laboratory talk, McDonald Institute for Archaeological Research, Department of Archaeology, Cambridge University.

## 2009

33. **E. Weiss and R. Gross.** Charred seeds and sediments: scientific methods in archaeology and their potential utility in Hazor excavations as a test case. The Hebrew University, Institute of Archaeology. Invited lecture. (Heb.)
34. **E. Weiss and D. Zohary.** The Eight Founder Crops – Biology and Archaeobotany. Wenner-Gren Symposium “The Beginnings of Agriculture: New data, New ideas”, organized by O. Bar-Yosef and T. D. Price, Held in March 6-13, 2009, Hacienda Temozon, near Merida, Yucatan, Mexico.
35. **Y. Melamed, E. Weiss, M. Kislev and O. Simchoni.** *Extinction of Water Plants in the Hula Valley – Sign of Global Warming?* Climate Change in the Upper Jordan Valley between 800-700 Ka- Its Impact on the Environment and Hominins and its Potential as a Predictor of Future Scenarios. Research Conference organized by N. Goren-Inbar and Baruch Spiro on behalf of the Israel Science Foundation, Institute of Advanced Studies, Givat Ram, The Hebrew University of Jerusalem.
36. **A. Snir and E. Weiss.** Spatial analysis of plant remains from two consecutive floors in Ohalo II – first steps. The annual meeting of Israel Prehistoric Society, Tel Aviv University. (Heb.)

## 2010

37. **E. Weiss.** The beginning of agriculture: were from and were to? Departmental seminar, Institute of Archaeology, Haifa University. (Heb.)
38. **E. Weiss & D. Zohary.** The Spread of Southwest Asia Founder Crops to Europe and Beyond, 15<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany, Wilhelmshaven, Germany.
39. **A. Hartmann-Shenkman, Ch. Auman-Hazan, A. Fust, and E. Weiss.** The "pantry" of Tel 'Eton, Israel – Vessels and their content, An interim report. 15<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany, Wilhelmshaven, Germany.
40. **E. Weiss.** From the “founder” to the “pioneer” crops of annual crops – archaeobotanical seminar. Departmental perspective, Department of Plant Sciences and Genetics in Agriculture, The Hebrew University, Faculty of Agriculture, Food and Environment. (Heb.)

## 2011

41. N. Rebollo, E. Mintz, E. Eckmeier, A. Snir, **E. Weiss**, D. Nadel, M. Zeder, O. Bar-Yosef, E. Boaretto. Influence of pH changes on graphitic components in Archaeological Charcoal. Accelerator Mass Spectrometry Conference Wellington, New Zealand.
42. **E. Weiss**. Scientific Approach to Macrobotanical Remains. 1<sup>st</sup> Microarchaeology Workshop, Weizmann Institute of Science, Rehovot. Invited lecture.
43. A. Snir, E. Mintz, N. R. Rebollo, D. Nadel, E. Boaretto **E. Weiss**. Can Humic substances concentration in charred material, be used as an indicator of exposure to heat? Radiocarbon and Archaeology, 6th International Symposium, Pafos, Cyprus, April 10-15, 2011.
44. **E. Weiss**. Archaeological science and the beginning of agriculture in plants – news and trends. The 37<sup>th</sup> Archaeological Congress. Bar-Ilan University. (Heb.)
45. A. Snir, E. Boaretto, N. Rebollo, D. Nadel, **E. Weiss**. CSI in Ohalo II: Reconstruction of a hut's burning process. Annual Meeting of the Israel Prehistoric Society, Haifa University. (Heb.)
46. A. Faust and **E. Weiss**. The contribution of agricultural products to the economy of southern Israel during the 7<sup>th</sup> century BCE. Annual Meeting of the Society for the Acquaintance of Crops in Jewish Traditions, Bar-Ilan University. (Heb.)

## 2012

47. **E. Weiss**. From wild plants to staple food: novel issues in the 4<sup>th</sup> edition of *Domestication of Plants in the Old World*. Departmental seminar, the Institute of Archaeology, Hebrew University. Invited lecture. (Heb.)
48. **E. Weiss**. The Natufian and Pre-Pottery Neolithic A periods – likelihood and continuation in their vegetal food. Researchers' study day "Talking Revolution – between event and process: economy and resources. Institute of Archaeology, Hebrew University and Antiquity Authority. Invited lecture. (Heb.)
49. **E. Weiss**. "Domestication of Plants in the Old World" a journey from the 3<sup>rd</sup> to the 4<sup>th</sup> editions via southwest Asia, Europe, and the Mediterranean basin. A chair in honor of Prof. D. Zohary for the occasion of the publication of the 4<sup>th</sup> edition of "Domestication of Plants in the Old World". "Between wild and culture" annual meeting of the Mt. Scopus botanical garden, Hebrew University.
50. **E. Weiss**. "Let us get grain so that we can eat and live"(Nehemiah 5:2) – the earliest evidences for the use of cereals and to their domestication in the Near East. Land of the Bible Museum. Invited lecture. (Heb.)
51. V. Caracuta, O. Barzilai , E. C. M. Van Den Brink, R. Liran, Y. Vardi, **E. Weiss** and E. Boaretto. From Natural Environment to Human Landscape: New Archaeobotanical Data from the Prehistoric Site of Nahal Zippori 3 in the Lower Galilee. Annual Meeting of the Israel Prehistoric Society, Weizmann Institute of Science.
52. A. Snir and E. Weiss. Identifying wild barley from domesticated barley using the morphometric of their distribution units. Annual Meeting of the Israel Prehistoric Society, Weizmann Institute of Science.
53. E. Weiss. From the wild field to the baker, wheat domestication and the antiquity of bread. "Eat and Drink!" a researchers' study day on food production technologies and utensils. Hebrew University and Israel Antiquity Authority. Invited lecture. (Heb.)

## 2013

54. A. Snir and E. Weiss. Forensic science in the service of archaeology – reconstructing 23,000 years old fire. The Israeli branch of the Israel Association of Fire Investigators. Invited lecture. (Heb.)
55. א. ויס. בוטניקה ארכיאולוגית: המזון הצמחי שבקנקן, ערב בנושא "מסתכלים בקנקן – בין ארכיאולוגיה למדע". מגלים את "ניצוצות" ההשראה – ערבי מדע פוגש רוח ואמנות במשכנות שאננים, פרויקט משותף של משכנות שאננים והאקדמיה הלאומית הישראלית למדעים. משכנות שאננים, י-ם.
56. מערת יורם (מצדה) והפעילות מן התקופה הכלקוליתית המאוחרת במערות המצוקיות במדבר יהודה א. דוידוביץ', נ. מרום, ר. פורת, א. בוארטו, א. ויס. הכנס ה-25 של העמותה הישראלית לפרהיסטוריה, האוניברסיטה העברית.
57. א. אקרמן, נ. גרינבאום, א. איילון, א. אלמוגי לבין, מ. בר-מתיוס, ה. ברוינס, ל. הורוויץ, א. ויס, נ. פורת, ד. קבאנס, ב. שילמן, א. מאיר. "המילוי הצעיר" – מבט מחודש לאור הממצאים מתל צפית/גת. מרחיבים אופקים בגאוגרפיה, כנס האגודה הגאוגרפית הישראלית ה-54, אוניברסיטת בר-אילן.
58. א. אקרמן, א. מאיר, א. איילון, א. אלמוגי לבין, מ. בר-מתיוס, ה. ברוינס, נ. גרינבאום, ל. הורוויץ, א. ויס, נ. פורת, י. כהן עטב, ד. קבאנס, ב. שילמן. מורשת תרבותית וסביבתית כמכפיל כח בשימור הנוף הפתוח – המקרה של תל צפית/גת. הכנס השנתי לתכנון נוף בגנים הלאומיים, אוניברסיטת תל-אביב.
59. א. ויס. צמחי העבר כמקור לשחזור ושימור נוף קדום. הכנס השנתי לתכנון נוף בגנים הלאומיים, אוניברסיטת תל-אביב.
- 2014**
60. א. ויס. ראשית חקלאות המטעים בתקופה הכלקוליתית לאור הממצא הבוטני והמולקולרי. הפורום לחקר התקופה הכלקוליתית, המפגש השביעי: תרומת מדעי החיים ומדעי הסביבה לחקר התקופה הכלקוליתית. אוניברסיטת תל-אביב.
61. ס. פרומין, א. ויס. סביבה ודיאטה בתל צפית/גת: שחזור על סמך ממצא בוטני. כנס האגודה הגאוגרפית ה-55 "בין תיאוריה ליישומיות", אוניברסיטת חיפה.
62. L. Olsvig-Whittaker, L. Kolska Horwitz, E. Weiss, S. Frumin, O. Ackermann and A. M. Maeir. Ecology of the Past: Landscape Archaeological Studies in the Region of Tell es-Safi/Gath. International Congress on Landscape Ecology, Understanding Mediterranean Landscapes: Human vs. Nature, Antalya, Turkey.
63. S. Frumin, E. Weiss. Diet and Environment at Early Bronze Age Tell es-Safi/Gath: The botanical evidence. ASOR 2014 Annual Meeting, San Diego, CA.
64. L. Olsvig-Whittaker, L. Kolska Horwitz, E. Weiss, S. Frumin, O. Ackerman, and A.M. Maeir. Ecology of the Past: Landscape Archaeological Studies in the Region of Tel es-Safi/Biblical Gath and Tall Zira'a/Gadara Region. Understanding Mediterranean Landscapes: Human vs. Nature, International Congress on Landscape Ecology. Antalya, Turkey
- 2015**
65. א. ויס. ארכיאובוטניקה: זרעים. אופקים חדשים במדעי הארכיאולוגיה, סדנא לארכיאולוגים חופרים מטעם רשות העתיקות.
66. מ. דוד, א. דוידוביץ', נ. מרום וא. ויס. "פרה נתתי לנורית" - נוריות, פרחים והשתמרות הממצא הבוטני במערת יורם הכלקוליתית. הקונגרס הארכיאולוגי ה-41. החברה לחקירת ארץ-ישראל ועתיקותיה, רשות העתיקות, אוניברסיטת בר אילן, המחלקה ללימודי ארץ ישראל וארכאולוגיה.
67. Ackermann, O., Frumin, S., Kolska Horwitz, L., Maeir, A.M., Weiss, E., Zhevelev, H. The Paleo-Anthropocene in the East Mediterranean. EGU General Assembly, Vienna, Austria.
68. E. Weiss and Y. Mahler-Slasky. Foreign Plant Food in the LB IIA Palace at Bet-Shemesh. The Canaanite was then in the land (Gen. 12: 6): Canaanites in Southern Canaan during the Late Bronze and Early Iron Ages, The First Annual Ackerman Family Workshop in Biblical Archaeology, Bar-Ilan University.



69. L. Olsvig-Whittaker, D. Vieweger, K. Soennecken, L. Kolska Horwitz, **E. Weiss**, S. Frumin, O. Ackerman, and A.M. Maeir. Spatial aspects of land use through time: A GIS based study of the Biblical sites of Gath (Israel) and Gadara (Jordan). Mission Biodiversity: Choosing new paths for conservation. The 27th International Congress for Conservation Biology (ICCB) and the 4th European Congress for Conservation Biology (ECCB). Montpellier, France.
70. E. Drori, **E. Weiss**, M. Shalmon-Divon, I. Haviv, A. Karasik, G. Kahila Bar-Gal, B. Lubin. Deep sequencing of aDNA as a tool towards solving the mystery of Israel's lost grapevine varieties. "The search for King David's wine". Expo-Milano, KKL-JNF and Israel Ministry of Tourism.
71. **E. Weiss**. The search for King David's wine: the archeobotanical aspect. "The search for King David's wine". Expo-Milano, KKL-JNF and Israel Ministry of Tourism.
72. E. Drori, **E. Weiss**, M. Shalmon-Divon, I. Haviv, A. Karasik, G. Kahila Bar-Gal, B. Lubin. "The search for the ancient wines of the Holy Land". Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia. Università degli Studi di Milano.
73. S. Frumin and **E. Weiss**. Philistine Migration and Current Floral Biodiversity in Israel. Departmental seminar. Recanati Institute for Maritime Studies, Department of Maritime Civilizations, University of Haifa.

## 2016

74. **E. Weiss**. Weeds and seeds: landscape management from 23,000-year-old farmers at Ohalo II onward. Workshop: Understanding the Paleo-Anthropocene and the Anthropocene. Ben-Gurion University of the Negev, Be'er Sheva. Invited lecture.
75. ל. הורוביץ, ע. לרנאן, **א. וייס**. תזונת הכורים במכרות הנחושת הקדומים בנחל עמרם. הכנס השנתי לדרכים היסטוריות. מרכז מדע ים המלח והערבה.
76. **א. וייס**. פענוח גנום שעורה בן 6,000 שנה ממערת יורם וביות צמחי התרבות. הקונגרס הארכאולוגי הארבעים ושניים. אוניברסיטת תל אביב.
77. ס. פרומין, י. מלמד, מ. פרומין, א. מאיר, י. שי, ח. גרינפלד, **א. וייס**. מרחקי הגעה של סחורות בתקופת הברונזה הקדומה ברחבי הלבנט – העדות הבוטנית. הקונגרס הארכאולוגי הארבעים ושניים. אוניברסיטת תל אביב.
78. **Weiss, E.** and Mahler-Slasky, Y. Foreign plant food at the late Bronze Age palace at Beth-Shemesh – 'prestige material' for ceremonial feasts? 10<sup>th</sup> International Congress on the Archaeology of the Ancient Near East (ICAANE), Vienna, Austria. Invited lecture.
79. Ackermann, O., Winter, R., Frumin, S., Horwitz, L. K., Maeir, A. M., **Weiss, E.**, & Zhevelev, H. M. Natural and Cultural Preservation–Complementary Endeavors through Soil Archive Research. European Geosciences Union General Assembly 2016. April 17-22, 2016. Vienna, Austria.
80. Peters, E. and **Weiss E.** Food remains from Jerusalem during the 2nd temple and its destruction. ASOR 2016 Annual Meeting, San Antonio, TX.
81. **א. וייס**. חידושים בחקר ראשית החקלאות - גנטיקה, בוטניקה ארכיאולוגית ואקולוגיה. הרצאת אורח בקורס "צומח ארץ ישראל", אוניברסיטת תל אביב. הרצאה מוזמנת.
82. **Weiss, E.** Plant domestication on the shores of the Sea of Galilee, 23,000 years ago. Jerusalem Brain Community, Hebrew University of Jerusalem, Israel. Invited lecture.
83. **א. וייס**. חידושים בראשית החקלאות. מפגש שביעי של טעימות מחקריות, אלמימר – פורום המרצות והמרצים של אוניברסיטת בר-אילן. הרצאה מוזמנת.
84. **Weiss, E.** The where and when of barley domestication: new results. 17<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany. Paris, France.

85. David, M. and **Weiss, E.** The Chalcolithic refuge cave in Masada – food sources in a hostile environment. 17<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany. Paris, France.
86. Frumin, S. and **Weiss, E.** Multi-period and multicultural Tell e-Sâfi/Gath, Israel - variation in dietary preferences and palaeoenvironment. 17<sup>th</sup> Symposium of the International Work Group for Palaeoethnobotany. Paris, France.

## 2017

87. **Weiss, E.** Paleolithic landscape management? Evidence from the earliest farmers, 23,000 years ago at Ohalo II. Research conference: Evaluating the Early Anthropocene Hypothesis, The impact of early farming economies on the environment in east and west Asia. University of Copenhagen, Denmark.
88. **Weiss, E.** Ohalo II – First Plant domestication site, 23,000 years ago. International Conference on Genome Mapping, Organization and Evolution in honor of Prof. Abraham Korol 70<sup>th</sup> birthday. University of Haifa.
89. **א. וייס.** ארץ ישראל כערש החקלאות – תגליות חדשות מגנום ארכיאולוגי של שעורה וגפן. הכנס ה-27, מחקרי יהודה ושומרון, כנס מדעי רב-תחומי. הרצאת פתיחה.
90. **א. וייס.** ביות השעורה: חדשות בנות 6,000 שנה. הכנס השנתי של האגודה, להכרת גידולי התרבות במקורות ישראל.
91. דוד, מ., דויזוביץ, א. מרום, נ. ו**א. וייס.** מערת המפלט הכלקוליתית במצדה – מקורות מזון בסביבה עוינת. הכנס השנתי של העמותה הישראלית לפרהיסטוריה, האוניברסיטה העברית, י-ם.
92. **א. וייס.** צמחי מרפא בממצא הבוטני ארכיאולוגי, האמנם? יום עיון בנושא יישובים חדשים של צמחים לרפואה ה-5. מו"פ אזורי מזרח, יו"ש ובקעת הירדן, מכון וולקני - מנהל המחקר החקלאי.

## 2018

93. דוד, מ., **א. וייס,** א. דרורי, א. רחימי, א. בן-יוסף, א. קרסיק. אפיון מורפולוגי של ממצאי גפן מחפירות גבעת העבדים בתמנע. מחקרי יהודה ושומרון. כנס מדעי רב-תחומי, הכנס ה-28.
94. צ. בן גדליה, א. דרורי, **א. וייס,** צ. אאוירט, מ. קלוטשטיין, ר. חזן, י. קלמן, ר. צ'אצ'י, ש. טרם, ר. פורת, ר. בר נתן. ממצאים ביולוגיים חדשים מחפירות הרודיון. מחקרי יהודה ושומרון. כנס מדעי רב-תחומי, הכנס ה-28.
95. Weiss, E., Drori, E. David, M. Shalmon-Divon, M. Karsik, A. Lubin, B. Hubner, S. The scientific quest for the wines of the Kings. Institute of Evolutionary Medicine, University of Zurich, Switzerland.

## 2019

96. **Weiss, E.** Archaeobotanical Research in the Southern Levant. Evolutionary Studies Institute, University of the Witwatersrand, Johannesburg, South Africa.
97. **Weiss, E.** The plants of Iron Age societies in the Levant: food, economy and trade – the archaeobotanical testimony. Minerva conference on "Food and identity formation in the Iron Age Levant and beyond: Textual, archaeological and scientific perspectives", Weltenburg Abbey, Germany, 28th April - 1st May 2019.
98. **א. וייס,** מ. דוד, ע. שניר. הגנטיקה והמורפולוגיה של צמחי התרבות הראשונים בארץ ישראל. "הטבע והחקלאות בארץ ישראל הקדומה", הכנס המחלקתי השנתי, המחלקה ללימודי ארץ-ישראל וארכיאולוגיה.
99. בן גדליה, צ. דרורי, **א. וייס,** א. קלמן, י. צ'אצ'י, ר. טרם, ש. בר נתן, ר. ור. פורת. היקב המלכותי של הורדוס בהרודיון: מחקר ביוכימי וביולוגי. כנס המחקרים הרביעי בנושא חידושים בחקר ארץ יהודה, לזכרו של ד"ר דוד עמית.
100. Fuks, D., Dunseth, Z. C., Langgut, D., Butler, D. H., Yan, X., Boaretto, E., Tepper, Y., Bar-Oz, G., Shahack-Gross, R., **Weiss, E.** Dung in the dumps: a

- comparative study of seeds, phytoliths and pollen in dung pellets and refuse deposits at Early Islamic Shivta, Negev, Israel. The 18<sup>th</sup> Conference of the International Workgroup for Palaeoethnobotany (IWGP), Lecce, Italy, June 3-8, 2019.
101. **Weiss, E.**, Drori, E. David, M. Wine fit for a king: identifying ancient grape varieties using a novel morphological 3D key. The 18<sup>th</sup> Conference of the International Workgroup for Palaeoethnobotany (IWGP), Lecce, Italy, June 3-8, 2019.
102. Frumin, F. **Weiss, E.** The archaeobotanical connection between Hera and the Philistines: Iron Age Samos and Tell es-Safi/Gath. The 18<sup>th</sup> Conference of the International Workgroup for Palaeoethnobotany (IWGP), Lecce, Italy, June 3-8, 2019.
103. David, M., **Weiss, E.** Slaves or artisans? A miner's diet in the Southern Levant. The 18<sup>th</sup> Conference of the International Workgroup for Palaeoethnobotany (IWGP), Lecce, Italy, June 3-8, 2019.
104. **Weiss, E.** Dedication – Daniel Zohary (1926-2016): personal notes. Symposium 4: Origin and diversification of Mediterranean crops, dedicated to the memory of Prof. D. Zohary. Organizer: Benito Valdés Castrillón. XVI OPTIMA Meeting, Agricultural University of Athens, Greece. 2-5 October 2019
105. **Weiss, E.** The domestication of wheat and barley - new evidences. Symposium 4: Origin and diversification of Mediterranean crops, Organizer: Benito Valdés Castrillón. XVI OPTIMA Meeting, Agricultural University of Athens, Greece. 2-5 October 2019.
106. **א. ויס.** משוק האיכרים, מבית העשירים, המזבלה והאסלה – העדות הבוטנית למזונם של הירושלמים הקדומים. במסגרת הקורס "האדם הפשוט ועיר הקודש – חיי היומיום בירושלים ובסביבתה בעיר העתיקה". מוזיאון ארצות המקרא ורשות העתיקות.
107. Frumin, S., Melamed, Y. & **Weiss, E.** The trade distances across the southern Levant during the Early Bronze Age - the botanical evidence 2<sup>nd</sup> International Congress on Archaeological Sciences in the Eastern Mediterranean and the Middle East (ICAS-EMME 2). 12-14 November 2019. The Cyprus Institute, Nicosia, Cyprus.
108. Hartmann-Shenkman, A., Kislev, M.E., Galili, E. & **Weiss, E.** Human diet and landscape as attested by the plant remains of PPNC Atlit-Yam, Carmel Coast, Israel. 2<sup>nd</sup> International Congress on Archaeological Sciences in the Eastern Mediterranean and the Middle East (ICAS-EMME 2). 12-14 November 2019. The Cyprus Institute, Nicosia, Cyprus.
109. אלישיב דרורי, אושרית רחימי, יקטרינה שפירא, ניר חן, מריה סטנבסקי, זהר עמר, אבשלום קרסיק, מיכל דוד, **אהוד ויס**, שריאל הובנר (2019), מחקר זני הגפן הקדומים של ארץ ישראל. כנס אגודת להב"י, אוניברסיטת בר אילן, ישראל.
110. אלישיב דרורי, אושרית רחימי, יקטרינה שפירא, ניר חן, מריה סטנבסקי, זהר עמר, אבשלום קרסיק, מיכל דוד, **אהוד ויס**, שריאל הובנר (2019) עשור למחקר היין הקדום באזור ההר. ב- כנס מעבה ההר, חשמונאים, ישראל.
111. אלישיב דרורי, אושרית רחימי, יקטרינה שפירא, ניר חן, מריה סטנבסקי, זהר עמר, אבשלום קרסיק, מיכל דוד, **אהוד ויס**, שריאל הובנר (2019). כנס מחקרי יהודה ושומרון, אוניברסיטת אריאל, ישראל.
- 2020**
112. **א. ויס.** ביות הצמחים וראשית החקלאות בסהר הפורה ובישראל. בוטניקה ארכאולוגית- מבט חדש על עבר קדום. יום עיון משותף לחוג כלנית ולמעבדה לבוטניקה ארכאולוגית של אוניברסיטת בר אילן.

113. **א. ויס.** עדות בוטנית לקשרי ארמון בית שמש עם המעצמות במרחב: קנוסוס ומצרים. בוטניקה ארכאולוגית- מבט חדש על עבר קדום. יום עיון משותף לחוג כלנית ולמעבדה לבוטניקה ארכאולוגית של אוניברסיטת בר אילן.
114. א. דרורי, א. רחמי, **א. ויס**, ש. הובנר, א. סיוון. תפוצת גפן הבר וגפני תרבות אנדמיות לישראל, ושחזור היין הקדום. בוטניקה ארכאולוגית- מבט חדש על עבר קדום. יום עיון משותף לחוג כלנית ולמעבדה לבוטניקה ארכאולוגית של אוניברסיטת בר אילן.
- 2021
115. **א. ויס.** ירושלים של סביבה: צמחים מקרוב ומרחוק לאורך הדורות. מעורב ירושלמי: טעימות מחידושי המחקר על ירושלים לתקופותיה. כנס מקוון של מרכז אינגבורג רנרט למחקרי ירושלים, אוניברסיטת בר-אילן.
116. ס. פרומין וא. **ויס.** אוכל, דלק ועשן באליה קפיטולינה - הממצא הבוטני מקשת וילסון. מעורב ירושלמי: טעימות מחידושי המחקר על ירושלים לתקופותיה. כנס מקוון של מרכז אינגבורג רנרט למחקרי ירושלים, אוניברסיטת בר-אילן.
117. ציונה בן גדליה **וצוות מחקר יקב הרודיון**. "הביאני המלך חדריו" (שיר השירים א': 4): לגימה מתפריט היינות של הורדוס בהרודיון. חידושים בארכאולוגיה של ירושלים וסביבותיה, הכנס הארבעה-עשר, האוניברסיטה העברית, ירושלים.
118. **א. ויס.** ראשית החקלאות בצמחים - אז מה חדש בארץ? סמינר מחלקתי, המחלקה למקרא, ארכאולוגיה והמזרח הקדום.
- 2022
119. Frumin, S., Melamed, Y. & **Weiss. E.** Archaeobotanical perspectives from two thousand years at Tell es-Safi/ Gath. ICAS-EMME 3, Nicosia, Cyprus, 15 March 2022.
120. **Weiss. E.** Ohalo II, crops` wild relatives and earliest domestication, 23,000 years ago. צומח, תרבות ותיירות: קרובי הבר של צמחי תרבות בישראל. סדנא בינ"ל, ימי סיוור. **א. ויס.** בוטניקה ארכאולוגית – בסיס מידע על קרובי הבר של צמחי התרבות וביותם; **Archaeobotany – a data source of crops' wild relatives and their domestication.** 30 במרץ 2022, ירושלים, הגן הבוטני האוניברסיטאי, גבעת רם ירושלים/ וובינר.
122. **Weiss. E.,** Nadel, D. Food, Work, and Family Space: The Story of One Brush Hut in Ohalo II. Prehistoric Constructions, Bringing together, Archaeologists and Architects. Workshop in honor of Anna Belfer-Cohen, February 27<sup>th</sup> March 2<sup>nd</sup>.
123. מ. דוד, א. קרסיק, ע. הרטמן-שנקמן, א. דרורי, **א. ויס.** כוס יין בנמל שוקע: זיהוי מורפומטרי של שרידי גפן בקיסריה הביזנטית. הקונגרס הארכאולוגי ה-47, 12/4/2022, אוניברסיטת תל אביב.
- 2023
124. S. Frumin, A. M. Maeir, **E. Weiss.** Continuous evolvement of the constant diet of the southern Levant of 3rd to 1st millennia BCE: Macro-botanical proxies from Tell es-Şâfi/Gath. Scientific insights on diet at the Ancient Near East during the 2nd-1st millennia BC. Weltenburg, 13-16 March 2023.
125. **א. ויס.** יום עיון חקלאות מדייקת, האגודה הישראלית למדעי העשבים הרעים, נווה יער, 5/9/23. הרצאת פתיחה: ארכאולוגיה, עשבים רעים ומה שביניהם.
- 2024
126. **א. ויס.** צמחי אהל- אורח החיים והסביבה של חקלאים אפיפלאוליתיים. הכנס השנתי של מחקרי המכון לארכאולוגיה ע"ש זינמן, אוניברסיטת חיפה ל"ג בעומר תשפ"ד, 26 מאי 2024, המכון לחקר ימים ואגמים לישראל.
127. פרומין, ס. מאיר, א. **א. ויס.** צמחי הפולחן בגת פלשתים - עדות ממקדשי שפת הנהר. כנס יהודה ה-8 לזכר ד"ר דוד וחנה עמית. בי"ס שדה כפר עציון, 26.5.2024.
128. א. דרורי, **א. ויס**, י. ראובני, א. קרסיק, ש. הובנר. מורשת תרבות של זני גפן מסורתיים בארץ ישראל. יום עיון "בוסתנים ועצי מורשת בארץ ישראל – עבר, הווה, עתיד", 5 ביוני 2024, רמת הגניב, זכרון יעקב.
129. E. Weiss. Pre-domestication cultivation in the Fertile Crescent – annuals and perennials". International Work Group for Palaeoethnobotany, research group:

plant management and domestication in southwest Asia 1st meeting. University of the Basque Country, Spain.

130. Lev Mirom, Nimrod Ashkenazy, Valentyna Klymiuk, Jennifer Enns, Krysta Wiebe, Verena J. Schuenemann, Bar A. Lavi, Torsten Günther, Tamar Krugman, Hanan Sela, Eitan Klein, Amir Ganor, Uri Davidovich, Roi Porat, Erez Ben-Yosef, Sivan Frankin, Roi Ben David, Abraham Korol, Martin Mascher, Axel Himmelbach, Nils Stein, Johannes Krause, Assaf Distelfeld, Ehud Weiss, Tzion Fahima, Curtis J. Pozniak, Sarel Hübner. Ancient grains from desert caves illuminate the domestication saga of wheat. International Work Group for Palaeoethnobotany, research group: plant management and domestication in southwest Asia 1st meeting. University of the Basque Country, Spain.