

Curriculum Vitae

Daniel Fuks

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Online academic profiles: [Google Scholar](#) | [Researchgate](#) | [ORCID](#)



Education/Positions held

2024– Senior Lecturer in Environmental Archaeology, Ben-Gurion University
2022–2024: Marie S. Curie Postdoctoral Fellow, McDonald Inst. Archaeol. Research, U. Cambridge
2021–2022: Newton International Fellow, McDonald Inst. Archaeol. Research, U. Cambridge
2020–2021: Visiting Scholar, McDonald Institute for Archaeological Research, U. Cambridge
2015–2020: PhD, Land of Israel Studies & Archaeology, Bar-Ilan University
2010–2014: MA, Land of Israel Studies & Archaeology, *Summa cum Laude*, Bar-Ilan University
2002–2006: BSc, Economics & BA, Music, *Summa cum Laude*, University of Pittsburgh

Academic Prizes and Awards

Fellowships and scholarships (since 2020)

2021(awarded): Marie S. Curie International Fellowship (€220,000)
2020–2022: British Academy Newton International Fellowship (£67,000)
2020–2021: Rothschild Fellowship for Postdoctoral Research (300,000 ILS)

Research grants and honours (since 2020)

2024–2028: Israel Science Foundation grant no. 2461/24, “Beyond the Islamic Green Revolution (BIGR)” (1,470,000 ILS)
2024–2027: Azrieli Early-Career Faculty Fellowship, “How radical was RAD (Roman Agricultural Diffusion)?” (955,000 ILS)
2024–2025: Multidisciplinary Humanities and Social Sciences, BGU internal grant (20,000 ILS)
2024–2025: co-PI, UKRI grant AH/Y006631/1, “The Crop History Consortium (CHC)”, (£42,634)
2023: Cambridge Humanities Research Grants Scheme 2023/24 (£10,000)
2023: National Environment Research Council (NERC)/ National Environmental Isotope facility (NEIF) grant (in-kind €26,000).
2021–2022: Seed Meetings grant (with Jérôme Ros), Higher Education, Research and Innovation Department of the French Embassy in London
2021–2022: Cambridge Humanities Research Grants Scheme 2021/22 (€1800)
2021: McDonald Institute Workshops Grant (€12,000)
2021–2024: St John’s College Research Associate (U. Cambridge)
2020: Mediterranean Seminar Article of the Month award

Publications

Varisco, D. and Fuks, D. 2024. In memoriam: Andrew Watson’s contribution to the history of agriculture: The “Islamic Green Revolution” fifty years on. *Journal of Economic History*.

<https://www.cambridge.org/core/journals/journal-of-economic-history/announcements/in-memoriam>

Bar-Oz, G., Galili, R., Hildebrandt, B., Shamir, O., Shamir-Shafira, N., Lokshina, D.G., Erickson-Gini, T., Fuks, D., Avni, G. 2024. Treasures in the trash mounds of Nahal ‘Omer: an Early Islamic village in Wadi Arabah, Israel. *CARMEL: Studies in Archaeological Sciences and Conservation*, 3.

<https://carmel.haifa.ac.il/pdfviewer-2024-3/>

Fuks, D., Schmidt, F., García-Collado, M.I., Besseiche, M., Payne, N., Bosi, G., Bouchaud, C., Castiglioni, E., Dabrowski, V., Frumin, S., Fuller, D.Q., Hovsepyan, R., Muthukumaran, S., Peña-Chocarro, L., Pérez Jordá, G., Ros, J., Rottoli, M., Ryan, P., Spengler, R., Stevens, C.J., Valamoti, S.M., Weiss, E., Alexander, M., Gros-Balthazard, M. 2024. Orphan crops of archaeology-based crop history research, *Plants, People, Planet*. <https://doi.org/10.1002/ppp3.10468>

- Fuks, D., Melamed, Y., Langgut, D., Erickson-Gini, T., Tepper, Y., Bar-Oz, G. and 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>
- Fuks, D., O'Neill-Munro, N., Reimer, P.J., Erickson-Gini, T., Bar-Oz, G., Galili, R., Bucking, S. 2023. Minimally destructive radiocarbon dating of caprine dung. *Radiocarbon*, 65(4): 832–847. <https://doi.org/10.1017/RDC.2023.70>
- Cohen, P., Bacilieri, R., Ramos-Madrigal, J., Privman, E., Boaretto, E., Weber, A., Fuks, D., Weiss, E., Erickson-Gini, T., Bucking, S. and Tepper, Y. 2023. Ancient DNA from a lost Negev Highlands desert grape reveals a Late Antiquity wine lineage. *PNAS*, 120(17): e2213563120. <https://doi.org/10.1073/pnas.2213563120>
- Fuks, D. 2022. The Domestication Dichotomy and Beyond: Review of Abbo S. and Gopher A. 2022, *Plant Domestication and the Origins of Agriculture in the Ancient Near East*, Cambridge: Cambridge University Press. *Mitekufat Haeven: Journal of the Israel Prehistoric Society*, 155: 150–160.
- Fuks, D., Lister, D.L., Distelfeld, A. and Marom, N. 2022. A time to sow, a time to reap: Modifications to biological and economic rhythms in Southwest Asian plant and animal domestication. *Agronomy*, 12(6). <https://doi.org/10.3390/agronomy12061368>
- Bucking, S.[‡], Fuks, D.[‡], Dunseth, Z.C., Schwimer, L. and Erickson-Gini, T., 2022. The Avdat in Late Antiquity Project: uncovering the Early Islamic phases of a Byzantine town in the Negev Highlands. *Antiquity*, 96(387): 754–761. <https://doi.org/10.15184/aqy.2022.46>
- Bar-Oz, G., Galili, R., Fuks, D., Erickson-Gini, T., Tepper, Y., Shamir, N. and Avni, G. 2022. Caravanserais middens on desert roads: a new perspective on the Nabataean–Roman trade network across the Negev. *Antiquity*, 96(387): 592–610. <https://doi.org/10.15184/aqy.2022.40>
- Fuks, D. 2021. *The quality of the archaeological record* by Charles Perreault (Review). *Archaeological Reviews from Cambridge*, 36(1): 195–201.
- Fuks, D. and Marom, N. 2021. Sheep and wheat domestication in southwest Asia: a metatrayjectory of intensification and loss. *Animal Frontiers*, 11(3): 20–29. <https://doi.org/10.1093/af/vfab010>
- Fuks, D. and Dunseth, Z. 2021. Dung in the dumps: what we can learn from multi-proxy archaeobotanical study of herbivore dung pellets. *Vegetation History and Archaeobotany*, 30, 137–153. <https://doi.org/10.1007/s00334-020-00806-x>
- Fuks, D., Avni, G. and Bar-Oz, G. 2021. The debate on Negev viticulture and Gaza wine in Late Antiquity. *Tel-Aviv*, 48(2): 143–170. <https://doi.org/10.1080/03344355.2021.1968626>
- Fuks, D., Bar-Oz, G., Tepper, Y., and Weiss, E. 2021. Flowers and faeces: Seasonal signals from Shivta's Early Islamic rubbish middens. In A. Lichtenberger and R. Raja (eds), *The Archaeology of Seasonality* (pp. 85–98). Turnhout: Brepols.
- Spengler, R.N., Stark, S., Zhou, X., Fuks, D., Tang, L., Mir-Makhamad, B., Bjørn, R., Jiang, H., Olivieri, L.M., Begmatov, A. and Boivin, N., 2021. A journey to the west: the ancient dispersal of rice out of East Asia. *Rice*, 14(1): 1–18. <https://doi.org/10.1186/s12284-021-00518-4>
- Fuks, D., Bar-Oz, G., Tepper, Y., Erickson-Gini, T., Langgut, D., Weissbrod, L. and Weiss, E. 2020. The rise and fall of viticulture in the Late Antique Negev Highlands reconstructed from archaeobotanical and ceramic data. *PNAS*, 117 (33): 19780–19791. <https://doi.org/10.1073/pnas.1922200117>.
- Fuks, D., Amichay, O. and Weiss, E. 2020. Innovation or preservation? Abbasid aubergines, archaeobotany and the Islamic Green Revolution. *Archaeological and Anthropological Sciences*, 12(50). <https://doi.org/10.1007/s12520-019-00959-5>.
- Dunseth, Z.[‡], Fuks, D.[‡], Langgut, D., Weiss, E., Butler, D., Yan, X., Boaretto, E. Tepper, Y., Bar-Oz, G., and Shahack-Gross, R. 2019. Archaeobotanical proxies and archaeological interpretation: a comparative

study of phytoliths, seeds and pollen in dung pellets and refuse deposits at Early Islamic Shivta, Negev, Israel. *Quaternary Science Reviews*, 211: 166–185. <http://doi.org/10.1016/j.quascirev.2019.03.010>.

Bar-Oz, G., Weissbrod, L., Erickson-Gini, T., Tepper, Y., Malkinson, D., Benzaquen, M., Langgut, D., Dunseth, Z., Butler, D., 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. and Boaretto, E. 2019. Ancient trash mounds unravel urban collapse a century before the end of Byzantine hegemony in the southern Levant. *PNAS*, 116(17): 8239–8248. <http://doi.org/10.1073/pnas.1900233116>.

Amichay, O., Ben-Ami, D., Tchekhanovets, Y., Shahack-Gross, R., Fuks, D. and Weiss, E. 2019. A bazaar assemblage: reconstructing consumption, production and trade from mineralised seeds in Abbasid Jerusalem. *Antiquity* 93 (367): 199–217. <http://doi.org/10.15184/aqy.2018.180>.

Fuks, D. and Marom, N. 2018. The plants and animals of the Land of Israel. In Greer, J., Hilber, J. and Walton, J. (eds.), *Behind the scenes of the Old Testament: Historical, cultural, and social contexts of Ancient Israel*, pp. 28–36. Grand Rapids, MI: Baker Academic.

Fuks, D., Ackermann, O., Ayalon, A., Bar-Matthews, M., Bar-Oz, G., Levi, Y., Maeir, A.M., Weiss, E., Zilberman, T. and Safrai, Z. 2017. Dust clouds, climate change and coins: consilience of palaeoclimate and economy in the Late Antique southern Levant. *Levant* 49 (2): 205–223. <https://doi.org/10.1080/00758914.2017.1379181>.

Fuks, D., Weiss, E., Tepper, Y. and Bar-Oz, G. 2016. Seeds of collapse? Reconstructing the ancient agricultural economy at Shivta in the Negev, *Antiquity* 90(353). <https://doi.org/10.15184/aqy.2016.167>.

[†]Equal contribution

Peer-review activity

I have reviewed articles for the journals *Vegetation History and Archaeobotany*, *Holocene*, *Levant*, *Antiquity*, *Journal of Archaeological Science: Reports*, *Archaeological and Anthropological Sciences*, *Tel-Aviv*, and *Michmanim*, as well as a monograph for University of California Press.

I am also guest editor for a forthcoming special issue of *Vegetation History and Archaeobotany* on “Moving Plants: First millennium CE crop diffusion in the Middle East and Mediterranean”.

Dissemination

Conferences and workshops organized

- 2024: *Crop history research: after prehistory*, European Archaeology Association (EAA) annual meeting, Rome, Aug 28-31, 2024. Session co-organized with Jerome Ros, Philippa Ryan, Michelle Alexander, and Leonor Peña-Chocarro.
- 2024: *Appreciating the archaeological value of preserved faeces using multifaceted methods*, European Archaeology Association (EAA) annual meeting, Rome, Aug 28-31, 2024. Session co-organized with Eleanor Green and Zachary Dunseth.
- 2024: *Expanding the conversation on past globalization(s)*. Workshop held at King's College, Cambridge, June 3, 2024. Organized in collaboration with Angus Russell, Carmen Ting and the King's Silk Roads Programme.
- 2023: *Rethinking Past Globalization* Garrod Seminar series, McDonald Institute for Archaeological Research, U. Cambridge. Lent term, Jan-Mar 2023. Co-organized with Dr. Carmen Ting (U. Cambridge).

Interdisciplinary Integration in Reconstructing Agricultural Crop Histories, session #702 of the European Archaeology Association (EAA) annual meeting held in Belfast, Northern Ireland, Aug. 30-Sept. 2, 2023. Session organized with Philippa Ryan (Royal Botanic Gardens Kew), Michelle Alexander (University of York) and Leonor Peña-Chocarro.

Interdisciplinary coprolite analysis, session #572 of the European Archaeology Association (EAA) annual meeting held in Belfast, Northern Ireland, Aug. 30- Sept. 2, 2023. Session co-organized with Zachary Dunseth (Brown U.) and Shira Gur-Arieh (LMU Munich; U. Haifa)

- 2022: *Crop History Consortium: Charting agricultural crop diffusion and evolution over the last 2000 years*. [Seed Meeting](#) held at the French embassy in London, May 26-27, 2022.
- 2022: *Moving Plants: First millennium CE crop diffusion in the Middle East and Mediterranean*. Workshop held at the McDonald Institute for Archaeological Research, University of Cambridge, May 23–26, 2022.
- 2018: *Jerusalem: Holiness, History and Current Affairs*. Conference of the Land of Israel Studies and Archaeology department with the Institute for Advanced Torah Studies, Bar-Ilan University, Ramat-Gan, Israel, Nov. 8, 2018. Co-organized with Dr. Naama Sat (Bar-Ilan U.).

Conference lecture presentations

- 2024: “Crop diffusion in the Middle East and Mediterranean”, In: Roundtable session *Agrarian change in the medieval Mediterranean: Towards holistic archaeologies of environmental change*, European Archaeology Association (EAA) annual meeting, Rome, Aug 28-31, 2024.
- 2024: “Dating dung: Radiocarbon dating ovicaprid fecal pellets”. UK Archaeological Sciences Conference, York, A[ro]; 3-5, 2024.
- 2023: (with Leonor Peña-Chocarro et al.) “Crop history research: forgotten and remembered crops”. Interdisciplinary integration in reconstructing agricultural crop histories”. In: *Interdisciplinary Integration in Reconstructing Agricultural Crop Histories*, session #702 of the European Archaeology Association (EAA) annual meeting held in Belfast, Northern Ireland, Aug. 30- Sept. 2, 2023.

(with Zachary Dunseth and Dafna Langgut) “Multi-proxy archaeobotanical and geoarchaeological analysis of sheep/goat dung pellets from the Negev desert”. In: *Interdisciplinary coprolite analysis*, session #572 of the European Archaeology Association (EAA) annual meeting held in Belfast, Northern Ireland, Aug. 30- Sept. 2, 2023.
- 2023: “The ‘Islamic Green Revolution’ and the Archaeobotanical Evidence from the Negev Highlands, Israel”. *Continuity and Discontinuity of Agrotechnological Transfer in the Eastern Mediterranean Region between Late Antiquity and Early Modern Times – Plot-and-Berm Agroecosystems as a Case Study*, Bar-Ilan University, Israel, 6-8 Feb 2023.
- 2022: “A multi-scalar approach to archaeobotanical reconstruction of agricultural expansion, diversification and sustainability: a case study from the Negev Highlands, Israel”. Nineteenth International Work Group for Paleoethnobotany held in České Budějovice, Czech Republic, June 13–17, 2022
- 2022: “1st mill. CE crop diffusion unprecedented but still gradual: new evidence from Negev Highland trash mounds”. Nineteenth International Work Group for Paleoethnobotany held in České Budějovice, Czech Republic, June 13–17, 2022
- 2022: “Domestication as globalization: Tracing globalization to the onset of food production”. Lecture delivered at the Amsterdam Symposium on the History of Food. Online, Feb. 11–12, 2022.
- 2021: “First-millennium CE plant and animal exchange via archaeobotany in collaboration with other disciplines: A multi-scalar view from the Negev Highlands”. European Archaeology Association (EAA) annual meeting held in Kiel, Germany. Session #511, ‘A Crossroads between the Continents’, Sept. 6–11, 2021 (Online).
- 2021: “Tracking microregional economic trends through archaeobotany: Lessons from the Late Antique Negev Highlands”. European Archaeology Association (EAA) annual meeting held in Kiel, Germany, Session #16, ‘Economic Archaeology and Quantitative Approaches’, Sept. 6–11, 2021 (Online).
- 2021: (With Nimrod Marom) “A time to sow, a time to reap: Changing biological and economic rhythms in southwest Asian plant and animal domestication”. European Archaeology

Association (EAA) annual meeting held in Kiel, Germany, Session #21, 'Domesticating Time: Temporal Changes in Animals and Plants during the Holocene', Sept. 6–11, 2021 (Online).

- 2021: "Plant domestication as globalization: A call for agricultural deep history". Lecture delivered at the Agricultural History Society (AHS) annual meeting held online, June 1–5.
- 2019: "The rise and fall of Negev viticulture in the Negev Highlands during Late Antiquity: an economic reconstruction from archaeobotanical and ceramic data." Lecture delivered at the Israel Economic History Association Congress, held at Bar-Ilan University, Israel, Dec. 15, 2019.
<https://www.youtube.com/watch?v=Kq7IOYza0rM>
- 2019: "The rise and fall of Negev viticulture." Lecture delivered at the Israel Archaeology Congress, held at the University of Haifa, Israel, April 11, 2019.
- 2019: "Dung in the dumps: a comparative study of seeds, phytoliths and pollen in dung pellets and refuse deposits at Early Islamic Shivta, Negev, Israel." Lecture delivered at the 18th Conference of the International Workgroup for Palaeoethnobotany (IWGP) held in Lecce, Italy, June 3–8, 2019.
- 2018: "Seeds of collapse: Archaeobotanical investigations of Byzantine and Islamic contexts". Lecture delivered at the 19th International Congress of Classical Archaeology (AIAC) held in Bonn, Germany, May 22–27, 2018.
- 2018: "Innovation or Preservation? Abbasid Aubergines, Archaeobotany and the Islamic Green Revolution." Lecture delivered at the European Archaeology Association (EAA) Annual Meeting held in Barcelona, Spain, Sept. 5–8, 2018.
- 2018: "The Missing Century returns." Lecture delivered at the Martin (Szusz) Land of Israel Studies and Archaeology Dept. Young Researchers' Conference, held at Bar-Ilan University, Ramat-Gan, Israel, Mar. 15, 2018.
- 2017: "Archaeobotanical Indicators for Regime Change and Climate Change in Shivta." Lecture delivered at the 13th Southern Region Conference of the Israel Antiquities Authority and Ben-Gurion University Archaeology Department, Beer-Sheva, Israel, Jan. 12, 2017.

Conference poster presentations

- 2023: (With Niamh O'Neill-Munro and Paula Reimer) "Minimally destructive radiocarbon dating of caprine dung". *Interdisciplinary Integration in Reconstructing Agricultural Crop Histories*, session #702 of the European Archaeology Association (EAA) annual meeting held in Belfast, Northern Ireland, Aug. 30– Sept. 2, 2023.
- 2022: "Identifying agricultural intensification as seen through the debate on Negev Viticulture and Gaza Wine in Late Antiquity." Nineteenth International Work Group for Paleoethnobotany held in České Budějovice, Czech Republic, June 13–17, 2022.
- 2021: (With Guy Bar-Oz and Gideon Avni). "The debate on Negev viticulture and Gaza wine in Late Antiquity". Poster presentation. Vine-growing and Winemaking in the Roman World: An international conference in honour of Jean-Pierre Brun. Online, Oct. 27–29.
<https://app.virtualpostersession.org/e/1ace397726cb530bffe7077ac1764034>. See also:
<https://www.youtube.com/watch?v=Qev9YrTghzk>
- 2016: "Reconstructing the Agricultural System of the Byzantine Negev." Seventeenth International Work Group for Paleoethnobotany held in Paris, France, July 4–9, 2016.

Invited lectures

- 2022: "Multi-scalar archaeobotanical reconstruction of plant economy: a case study from the Late Antique Negev Highlands". STARC Archeological Sciences Summer School in Pedoulas, Cyprus, 17th – 23rd July 2022.

- 2022: “Three levels of historical reconstruction through archaeobotany: case studies from the Negev Highlands”. Ben-Gurion University of the Negev, Department of Archaeology Seminar, April 12, 2022.
- 2022: “Multi-scalar archaeobotany: a Braudelien approach”. University of Haifa, Zinman Institute of Archaeology Seminar, April 4, 2022.
- 2022: “The rise and fall of commercial viticulture in the Byzantine Negev Highlands: Plague, climate change or regime change?”. University of Tel-Aviv, Department of Archaeology Seminar, April 6, 2022.
- 2022: “Multi-scalar archaeobotanical reconstruction of plant economy: a case study from the Late Antique Negev Highlands”. Lecture delivered to the Ancient Near East Seminar Series, McDonald Inst. for Archaeological Research, U. Cambridge. Online, Mar. 8, 2022.
- 2022: "Archaeobotany and plant archaeogenetics: problems, prospects and potential for global food security". University of Cambridge Global Food Security Initiative Coffee Break Seminar. Online, Mar. 4, 2022.
- 2022: “Beyond the Mediterranean triad: Agricultural introduction and intensification as seen from the Late Antique Negev Highlands, Israel”. Lecture delivered to the Society for the Medieval Mediterranean, seminar series on The Mediterranean Diet: New Perspectives on the Foodways of the Medieval Mediterranean, Feb. 1, 2022. <https://www.youtube.com/watch?v=Df6uO0aEDC8>
- 2021: “Dung in the dumps: what we can learn from multi-proxy archaeobotanical study of herbivore dung pellets”. Discussion with the Max Planck, Jena, Archaeobotany Reading Group (online), Jan. 21, 2021.
- 2021: “Archaeobotany and first millennium CE crop diffusion across Eurasia: a view from the southern Levant”. Presentation delivered at the inaugural Welcome to King’s Silk Road Programme, King’s College, Cambridge, UK (online), Jan. 18, 2021.
- 2019: “Archaeobotany, archaeological theory and 20th century thought”, lecture delivered to the Bar-Ilan University Faculty of Jewish Studies forum for Presidential Scholars (Hebrew), Mar. 27, 2019.
- 2016: “Excavations at Shivta and Halutza, 2015-2016: An archaeobotanical perspective”, University of Haifa, *The Secret of the Desert* guest lecture (Hebrew) Dec. 12, 2016.
- 2016: “Excavations at Shivta and Halutza, 2015-2016: An archaeobotanical perspective”, Bar-Ilan University, *Introduction to Archaeobotany* guest lecture (Hebrew).

Non-specialist presentations

- 2021: “The rise and fall of viticulture in the Late Antique Negev Highlands”. Levantini podcast, Episode 44. <https://levantinipod.com/episodes/episode-44-Rise-and-Fall-Viticulture-Negev-Highlands>
- 2019: “Rummaging through the ancient garbage of Byzantine Negev residents”, TED-style talk, Beit Avichai. Available online: https://www.youtube.com/watch?v=qbc0iwrIn_4 (Hebrew with English subtitles).

Key Collaborations

- 2024–present: Ancient Negev dung stable isotope analysis pilot project, with the McDonald Institute for Archaeological Research, University of Cambridge
- 2021–present: Collaboration on minimally destructive dung-pellet dating, with 14CHRONO Centre, Queen’s University Belfast.
- 2021–2023: Collaboration on ancient dung microbiome research with Joanne Santini’s lab, Structural & Molecular Biology, University College London, and Greger Larsen’s Palaeogenomics & Bio-Archaeology Research Network at Oxford University (Palaeo-BARN).

- 2020–present: Team member, *Negev Camel Caravan Project*, with PI Prof Guy Bar-Oz (U. Haifa), and co-PI Prof Gideon Avni (Israel Antiquities Authority Chief Scientist).
- 2016–present: Team member, *Avdat in Late Antiquity Project* with PI Scott Bucking (DePaul U.) and Tali Erickson-Gini (Israel Antiquities Authority).
- 2016–present: Collaboration with Dafna Langgut (Tel-Aviv U.) and Zachary Dunseth (Brown U.) on multiproxy archaeobotany applied to coprolites.
- 2015–2020: Team member, *NEGEVBYZ, Crisis on the margins of the Byzantine Empire: A bio-archaeological project on resilience and collapse in early Christian development of the Negev Desert*. H2020-EU.1.1. Grant 648427.

Field Experience in Archaeology

- 2023: Nessana excavations, Ben-Gurion University, archaeobotanist
- 2022: Nessana excavations, Ben-Gurion University, archaeobotanist
- 2020: Negev camel caravan excavations, Haifa and Ben-Gurion University, archaeobotanist
- 2018, 2016: Avdat, DePaul University and Israel Antiquities Authority excavations, archaeobotanist
- 2017: Nessana middens, U. Haifa excavations, archaeobotanist
- 2017: Elusa middens survey, U. Haifa excavations, participant
- 2016: Shivta, U. Haifa excavations, on-site archaeobotanist
- 2015: Elusa middens, U. Haifa excavations, participant
- 2015: Tell es-Safi excavation, Bar-Ilan University, participant

Membership in professional societies and workgroups

- 2022–present: Crop History Consortium, founding member and steering committee member
- 2021–2022: Cambridge Food Security Forum, co-chair
- 2021–present: St John's College, Cambridge, College Research Associate
- 2020–2022: University of Cambridge Postdocs Academy, departmental representative,
- 2020–present: Mediterranean Seminar, associate member
- 2020–present: U. of Cambridge Archaeobotany and Archaeological Science groups, member
- 2018–present: International Work Group for Paleoethnobotany (IWGP), member