

- 2021 - The 2nd International Conference on Transdisciplinary Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage: Rebranding the World in Crisis through Culture (TMM) | Athens, Greece
 "Mineralogical Interpretation of Multispectral Images: Using Spectral Indicators in Portable and Stationary Cameras for Characterizing Pigments of Wall Paintings"
- 2021 – European Geosciences Union | On-line symposium
 "Lateral and vertical pulsed-photon portable luminescence (PPSL) profiling of anthropogenically-altered sediments in rescue excavations of different landscapes"
- 2019 – 2nd International Congress on Archaeological Sciences in the Eastern Mediterranean and the Middle East (ICAS-EMME 2) | Nicosia, Cyprus
 "Mineralogical interpretation of multispectral images: identification and 2D distribution of pigments from MS data"
- 2019 – Historic Mortars Conference | Pamplona, Spain
 "Pozzolanicity beyond Vitruvius: insights into the exploitation of reactive silicates throughout the Roman world"
- 2018 – Workshop on Marine Technologies: From Marine Archeology to Internet of Underwater Things | Haifa , Israel
 "Analytical Methods for understanding pozzolanic reactions underwater" 2018
- Art&Archaeology International Conference | Jerusalem , Israel
 "The Potential of On-site Measurements for Provenance Applications of Mosaic Tesserae: Preliminary results from Ramat Beit Shemesh, Israel"
- 2018 – Art&Archaeology International Conference | Jerusalem , Israel "Mineralogical interpretation of multispectral images: identification and 2D distribution of pigments from MS data"
- 2018 – The Bi-national Israeli-Italian workshop MoDIM – Mortar Dating International Meeting | Bordeaux , France
 "Characterization of ancient mortars by combined XRD, NMR and FTIR techniques"
- 2018 – The Bi-national Israeli-Italian workshop 'Ecology and Science applied to the study of ancient societies' | Rehovot, Israel
 "Frontiers in ancient mortars pozzolanic reactions"
- 2017 – Meeting of the UISPP Commission for Archaeometry | Pavia, Italy
 "Identifying and mapping inorganic pigments in ancient wall paintings based on non-invasive XRF and multispectral imaging"
- 2016 – The 41th International Symposium on Archaeometry (ISA) | Kalamata, Greece "Timing the Migration of the "Sea Peoples" in the 2nd Millennium BC in the Southern Levant: A Radiocarbon Based Chronology"
- 2015 - BANEA 2015 conference | London, UK
 "A slow social integration of the Philistines in the southern Levant is supported by a new radiocarbon based chronology"
- 2014 - The 9th International Congress on the Archaeology of the Ancient Near East | Basel, Switzerland.
 "The Early Iron Age Chronology of the Negev in the Light of Radiocarbon Dates"
- 2013 - Radiocarbon and Archaeology 7th International Symposium | Ghent, Belgium "Integrating Analytical Methods in Radiocarbon Sampling Strategy: Determining the Bronze to Iron Age transition in Qubur El-Walayah, Israel"

Invited Oral Contributions:

- 2022 – Modeco2000 Workshop | Serbia
 "Evaluation of ancient mortars hydraulicity through characterization of long and short-range crystallinity"
- 2019 – The Getty Conservation Institute | Los Angeles, USA
 "Archaeological sciences in rescue excavations at the Israel Antiquities Authority: On-site field laboratories"
- 2019 – Rutgers University | New Jersey, USA
 "Archaeological sciences in rescue excavations at the Israel Antiquities Authority: On-site field laboratories"
- 2017 – The Bi-national Israeli-Italian workshop EMHILE - Environment and Migrations: the Homo sapiens In the Levantine corridor between 60.00 and 40.00 years ago | Lecce, Italy
 "Pigments in the Upper Paleolithic: contexts, method of characterization, and developments in mapping techniques on-site"
- 2016 – The Czech-Israel workshop on "Advances in Conservation Science" | Telč, Czech Republic
 "Evaluating Archaeological Bones Preservation using Infrared Spectroscopy"
 "Conservation of Frescoes in Pompeii: Mapping Minerals and Efflorescence using

Multi-spectral Imaging"

Poster Contributions:

2022 – The 43rd International Symposium on Archaeometry (ISA) | Lisbon, Portugal

"A Method of Distinguishing Types of Ash: Case Study at Qumran" 2021 – Israel Geological Society | On-line symposium

"Distinguishing between anthropogenic and natural deposition processes and sediments by pulsed-photon luminescence (PPSL) profiling"

2019 – Historic Mortars Conference | Pamplona, Spain

"Hydraulic mortars at Caesarea: underwater and on-land pozzolanic reactions through chemical and mineralogical examinations of Herodian, Roman, and Byzantine constructions"

2018 – Art&Archaeology International Conference | Jerusalem , Israel "Characterization of ancient and modern hydraulic mortars at Caesarea by combined XRD, SEM, XRF and FTIR techniques"

2018 – The 42th International Symposium on Archaeometry (ISA) | Merida, Mexico

"Combining X-Ray Fluorescence and Fiber Optic Reflectance Spectroscopy with Multispectral Images to Map Pigments on-site in Wall Paintings in the Sárro Baths of Pompeii"

2016 – The 41th International Symposium on Archaeometry (ISA) | Kalamata, Greece "Recrystallization Pathways of Fossil Bones in Sudan: An FTIR Study Using the Grinding Curve Method"

2011 - Radiocarbon and Archaeology 6th International Symposium | Pafos, Cyprus

"Tooth Enamel Preservation Using FTIR and Grinding Curves"

2011 - MicroArchaeology Workshop (**member of organizing committee**) | Rehovot, Israel "The potential of reflectance IR as a new tool for the characterization of archaeological materials: A comparison study to Transmission IR"

2010 - Gordon Research Conferences – Biomineralization | New London, NH, USA

"New Approach for Differentiating Carbonate Hydroxyapatite Crystal Disorder Using FTIR"

Technical Skills:

- Operating on-site laboratory: microscopy, transmission and reflectance infrared spectroscopy, multi-spectral imaging, portable x-ray fluorescence, 3D photogrammetry
- Computer software: Agisoft, Omnic, CloudCompare, Envi, HighScore Plus

Languages:

Hebrew: Native | English: Excellent writing and speaking | Italian: Conversational