

## Michele Massa

Date and place of birth: 06<sup>th</sup> July 1981

Nationality: Italian

Email address: mmassa@bilkent.edu.tr

I have been an Assistant Professor at the Bilkent University's Department of Archaeology since Fall 2022, and I previously held a joint postdoctoral fellowship at the Mansueto Institute and Oriental Institute, University of Chicago (2020-2022). I have also been an assistant professor at Bilecik University (2016-2018). My primary area of research is the prehistoric and early historic Eastern Mediterranean and Near East, and I specialise in landscape archaeology, digital archaeology, archaeometry, and different aspects of the process of urbanization and state formation -including water management, warfare, long-distance exchange networks, administration, craft specialization and elite behaviours. I have directed/co-directed several research and fieldwork projects, including on Bronze Age metallurgy, a radiocarbon-dating programme of the Early Bronze Age site of Küllüoba, a collaboration with the German Aerospace Center to automatically identify höyük sites and a survey project in Konya.

### ACADEMIC EDUCATION

September 2020- September 2022	Joint Postdoctoral Fellowship at the Mansueto Institute for Urban Innovation and the Oriental Institute, University of Chicago
September 2012 – June 2013	Junior Fellowship at ANAMED, Koç University
September 2008 – April 2016	PhD degree at University College London
September 2007 – September 2008	MSc degree in GIS and Spatial Analysis at University College London
September 2002 – July 2007	BA degree at Università' di Roma La Sapienza

### WORK EXPERIENCES

September 2022 - present	Bilkent University, Department of Archaeology
September 2016 – August 2018	Bilecik University, Department of Archaeology
September 2013 – August 2014	Research Assistant at the British Institute at Ankara
March 2010 – January 2011	Research Assistant at the British Institute at Ankara

### TEACHING

Courses

#### Name of the Course

#### Where

HART 501 – Archaeological Theory (MA course, 2023, 2024)

Bilkent University

HART 325 – The World of the Hittites (BA course, 2023, 2024)	Bilkent University
HART 436 – Research Methodologies in Archaeology (BA course, 2022, 2023)	Bilkent University
HART 222 – Introduction to Mesopotamian Archaeology (2022, 2023)	Bilkent University
HART 434 - Landscape Archaeology (2022)	Bilkent University
ARK 208 - Metallurgy in the ancient Near East (BA course, 2018)	Bilecik University
ARK 505 – Graduate seminar (MA course, 2018)	Bilecik University
ARK 110 - Upper Mesopotamian Prehistoric Archaeology (BA course, 2017, 2018)	Bilecik University
ARK 228 - Ancillary Disciplines in Archaeology (BA course, 2017-2018)	Bilecik University
ARK 405 - Central and Eastern Anatolian Prehistoric Archaeology (2017)	Bilecik University
ARK 429 – GIS in Archaeology (2017)	Bilecik University
ARK 550 - Issues of Social Inequality in the Ancient Near East (2017)	Bilecik University
ARK 109 - Levantine and Cypriot Prehistoric Archaeology (2016, 2017)	Bilecik University

#### FIELDWORK

<b>When</b>	<b>What, where, nos. of students</b>
2017-2022	Konya Regional Archaeological Survey Project (Konya, Turkey), 10-20 team members
2016-2019	From Mines to Graves: Metallurgy and Metal Exchange in Western Anatolia (Kütahya, Turkey), 5-10 team members
2014	Falaj as-Souq rescue excavation project (Sohar, Oman), 14 team members

#### SUPERVISION

##### Master Thesis

<b>Year of submission</b>	<b>Author, Title, 1<sup>st</sup>/2<sup>nd</sup> supervisor, University</b>
2023	Pekzeren, Y. <i>No Rose without Thorns: Assessing 3D Scanning Methods in Archaeology through Case Studies from Hattuša</i> , MA Thesis, Bilkent University (1 <sup>st</sup> supervisor)
2024	Akman, M.A. <i>Quantitative Approaches to Hittite Historical Geography: A Network Analysis of Hittite Toponyms</i> , MA Thesis, Bilkent University (2 <sup>nd</sup> supervisor)

(Field) research

<b>When</b>	<b>What, where, position, cooperation partners</b>
2021-2023	Fragile Landscapes: Past, Present and Future of Sustainable Water Management on the Konya Plain, Turkey, co-Investigator with Prof John Wainwright (Durham), Dr Gianna Ayala (Sheffield), Dr Davide Motta (UCL), Dr Ender Peker (METU), Prof. Faruk Ocakoğlu (Anadolu)
2020-2022	The Konya Plain from Space: Applying DESIS to Archaeological Settlement Recognition, Principal Investigator with Dr Daniele Cerra and Dr Stefan Auer (German Aerospace Center)
2019-2022	Küllüoba C14, co-Investigator with Prof Murat Türkteki and Dr Deniz Sarı (Bilecik)
2016-2022	Konya Regional Archaeological Survey Project, co-director with Dr Christoph Bachhuber (Oxford), Fatma Şahin (Çukurova), James Osborne (Chicago)
2016-2019	From Mines to Graves: Metallurgy and Metal Exchange in Western Anatolia, Principal Investigator with Prof Erkan Fidan (Bilecik)

#### SELECTED INTERNATIONAL CONFERENCES AND GUEST LECTURES (FROM 2000 ONWARDS)

<b>When</b>	<b>Conference Title, Paper / Poster, include organizer/chair if applicable</b>
2023	Institute for the Study of the Ancient Cultures (Chicago, US): Modelling Interaction in Archaeology (invited)
2022	Pisa University (Italy): Fra Tarhuntašša e Hartapu: geografia politica in Anatolia meridionale tra Bronzo Tardo e Ferro (invited)
2021	Kiel University (Germany): A multiscalar approach to pre-monetary exchange networks: a case study from Early Bronze Age Anatolia (invited)
2020	Ege University (Turkey): Urbanization and state formation in western Anatolia, 3500-500 BCE (invited)
2019	British Institute at Ankara (Turkey): A regional archaeological perspective on the kingdoms of Tarhuntašša and Tabal: the Konya-Karaman Plains in the Late Bronze and Iron Ages (invited)
2019	Oriental Institute at Chicago University (US): A New Iron Age Kingdom in Anatolia: King Hartapus and his Capital City (invited)
2019	Freie Universität (Berlin, Germany): The dynamic landscapes of the Konya Plain: change and continuity across the Early and Middle Holocene (invited)
2019	Charles University (Prague, Czech Republic): Was the Bronze Age really an age of bronzes? Reassessing tin exchanges in Anatolia in the 3 <sup>rd</sup> and 2 <sup>nd</sup> millennia BCE (invited)
2018	Liverpool University (UK): Urbanisation, metallurgy and trade: a bird's eye view of the Anatolian third millennium BC (invited)

- 2016 Institut für Orientalische und Europäische Archäologie (Austria): A multi-scalar analysis of Early Bronze Age exchange networks in Anatolia and surrounding regions (invited)
- 2013 KU Leuven (Belgium): Connecting the dots: exchange and cultural transfers between Aegean and Anatolia, 3200-1950 BC (invited)

#### PUBLICATIONS

#### EDITORIAL WORK

Massa M., Bachhuber C. and F. Şahin (eds, in prep.). *Landscapes of the First Farmers, Cities and States on the Konya Plain: Results of the Konya Regional Archaeological Survey Project*, British Institute at Ankara, London.

Gerçek İ and M. Massa (eds, in prep.). *Integrated Perspectives on the Political Geography of Southern Anatolia, 1650-550 BCE*, Anatolian Studies Special Issue.

Aykurt A., Akçay A., Şahin F., Türkteki M., Sarı D., Beyazıt A., Massa M., Oğuzhanoglu U. (eds, 2024). *Savaş ve Şiddet*, Ankara, Bilgin Yayınevi.

#### ARTICLES IN INTERNATIONAL PEER REVIEW JOURNALS

Osborne J. and M. Massa (in press). Interregional connections in South-Central Anatolia during the Early First Millennium BCE, *Ancient Near Eastern Studies*.

Creamer P., Massa M., Osborne J., and J. Casana (in press). Large-Array Magnetic Gradiometry Survey at Türkmen-Karahöyük (Turkey), *Archaeological Prospection*.

Massa M., Osborne J. (2024). Peak Sanctuaries and Sacred Mountains in Anatolia during the Iron Age. *American Journal of Archaeology* 128(1): 33-58.

Tarhan İ., Massa M., Türkteki M. and S. Türkteki (2023). Toward an Understanding of the Exchange in Ancient Scented Oils through Organic Residue Analysis of Bronze Age Near Eastern Ceramic Bottles. *Archaeometry* 65(4): 833-849. <https://doi.org/10.1111/arcm.12852>.

Tarhan İ., Massa M., Tuna Y. and F. Şahin (2022). An Archaeometric Study of the Konya Basin Metallic Ware (Central Anatolia) by FT-IR Analysis and Chemometrics. *Archaeometry* 64.4:1-15. <https://doi.org/10.1111/arcm.12812>.

Massa M., and J. Osborne (2022). On the Identity of Hartapu. Textual, historical and archaeological analysis of an Anatolian Iron Age ruler, *Altorientalische Forschungen* 49.1: 85-103.

Massa M., Bachhuber C., Şahin F., Erpehlivan H., and A.J. Lauricella (2021). The 2019 and 2020 Seasons of the Konya Regional Archaeological Survey Project. *Anatolica* XLVII, 215-242.

Osborne J., Massa M., Şahin F., Erpehlivan H. and Bachhuber C. (2020). The City of Hartapu: Results of the Türkmen-Karahöyük Intensive Survey Project. *Anatolian Studies* 70, 1-27. CITATIONS: 15

Massa M., Bachhuber C., Şahin F., Erpehlivan H., Osborne J. and A.J. Lauricella (2020). A landscape-oriented approach to urbanisation and state formation in the Konya and Karaman Plains, Turkey. *Anatolian Studies* 70, 45-75.

Goedegebuure P., van den Hout T., Osborne J., Massa M., Bachhuber C. and F. Şahin (2020) TÜRKMEN-KARAHÖYÜK 1: a new Hieroglyphic Luwian inscription from Great King Hartapu, son of Mursili, conqueror of Phrygia, *Anatolian Studies* 70, 29-43.

Massa M., Bachhuber C., Şahin F., Tuna Y. and N. Kolankaya (2019). The results of the 2017 and 2018 seasons of the Konya Regional Archaeological Survey Project, *Anatolica* XLV: 159-180.

Massa M. and Tuna Y. (2019). Reassessing western and central Anatolian Early Bronze Age sealing practices: a case from Boz Höyük (Afyon), *Anatolian Studies* 69, 59-75.

Massa M. and Palmisano A. (2018). Change and Continuity in the Long-distance Exchange Networks between Western/Central Anatolia, Northern Levant and Upper Mesopotamia, c.3200-1600 BC, *Journal of Anthropological Archaeology* 49, 65-83.

Massa M. and Palmisano A. (2018). Commercial landscapes of long-distance contacts in Western Asia, c. 3200 – 1600 BC: perspectives from material culture, *Journal of Open Archaeology Data* 6.

Massa M., McIlpatrick O. and E. Fidan (2017). Patterns of metal procurement, manufacture and exchange in the Early Bronze Age northwestern Anatolia: Demircihüyük and beyond, *Anatolian Studies* 67, 53-83.

Massa M. (2014). Early Bronze Age burial customs across the central Anatolian plateau: a view from Demircihüyük Sarıket, *Anatolian Studies* 64, 73-93.

#### BOOK CHAPTERS

Fidan, E., Massa, M. and O. McIlpatrick (2021). Höyüktepe'de Erken ve Orta Tunç Çağı metalurjisi, in Türktüzün, M. and S. Ünan, "Kureysler Barajı Kurtarma Kazıları 2015", Kütahya Müzesi Müdürlüğü: Kütahya.

Koparal E., Ersoy Y., Massa M., Demirciler V. (2017). Sampling the Ionian landscapes: An overview of the archaeological surveys in the Klazomenean and Teian chorai, in Steadman S. and McMahon G. (eds) *The Archaeology of Anatolia: Recent discoveries, vol. II*, Cambridge Scholars Publishing: Cambridge, 400-425.

Massa M. (2021). A multi-scalar and multivariate approach to the analysis of social and cultural boundaries in the western Anatolian Early Bronze Age, in D'Alfonso L. and K. Rubinson (eds.) *Borders in Archaeology: Anatolia and the South Caucasus ca. 3500-500 BCE*, Peeters: Leuven, 93-123.

Massa M., Fidan, E. and O. McIlpatrick (2017). Çiledir Höyük ve Seyiyömer Höyük Erken ve Orta Tunç Çağı metalurjisi, in Ünan, S. 'Kütahya Müzesi 2015 Yıllığı', Kütahya Müzesi Müdürlüğü: Kütahya, 299-323.

Massa M., Şahoğlu V. (2015). The 4.2ka BP climatic event in west and central Anatolia: combining palaeoclimatic proxies and archaeological data, in Meller H., Arz H.W., Jung R. and R. Risch (eds.) *2200 BC – A climatic breakdown as a cause for the collapse of the Old World?* Landesmuseums für Vorgeschichte Halle: Halle, 61-78.

Massa M. (2014). Destructions, abandonments, social reorganisation and climatic change in west and central Anatolia at the end of the third millennium BC, in Erciyas B. and E. Sökmen (eds.) *Regional Studies in Archaeology, Settlement Archaeology Symposium Series IV*, Ege Yayınları, İstanbul, 79-103.

Massa M., Şahoğlu V. (2011). Western Anatolian burial customs during the Early Bronze Age, in Şahoğlu V. and P. Sotirakopoulou (eds.) *Across: the Cyclades and Western Anatolia during the third millennium BC*, Sakıp Sabancı Museum: Istanbul, 164-171.

Motta D., Lyons S., McEneaney S., Yurttaş O., Ocakoğlu F., Massa M., and J. Wainwright (2022). Quantifying water scarcity and its factors in the Konya basin in Turkey, in Ortega-Sánchez, M. (ed.) *Proceedings of the 39th IAHR World Congress 19–24 June 2022, Granada, Spain*. IAHR: Madrid, 3020-3029. doi://10.3850/IAHR-39WC2521716X2022933

#### ARTICLES IN CONFERENCE PROCEEDINGS

#### BOOK REVIEWS

Massa M. (2018). Review of Marston, J.M. 2017. *Agricultural sustainability and environmental change at ancient Gordion* (Museum Monographs 145), 2017. Philadelphia: University of Pennsylvania Press, *Antiquity*, 92(362), 543-545.