

Thomas Zimmermann

Date and place of birth: 09.05.1974, Kelheim, Germany

Nationality: German

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Thomas Zimmermann graduated from the University of Regensburg, where he completed his studies in Pre- and Protohistory, European Ethnology and Classical Archaeology. For his PhD project on Copper Age Daggers he was based in the Römisch Germanische Zentralmuseum Mainz. In 2003, he succumbed to oriental lure and moved to Turkey, where he is currently appointed as Associate Professor at the Department of Archaeology at Bilkent University. His versatile research interests include science in archaeology, early metallurgy, the emergence of elites in 3rd millennium BC Asia Minor, and socio-cultural changes in Early Holocene Upper Mesopotamia. He has published and co-edited four books and numerous articles in international peer-reviewed journals. He serves as elected Bronze Age Commission member of the *Union Internationale des Sciences Préhistoriques et Protohistoriques* (UISPP) and is scientific commission member of the German-Turkish Academics Society at Göttingen. That aside, he loves to accumulate mechanical timepieces and Star Wars collectibles.

ACADEMIC EDUCATION

2006	PhD, Regensburg University
1994-2000	M.A., Regensburg University, Germany. Prehistory, European Ethnology, and Classical Archaeology

Work Experiences

09/2019	Promotion to Associate Professor
06/2007-07/2017	Acting Chair of the Department of Archaeology, Bilkent University
09/2006	Appointment as Assistant Professor of Archaeology, Bilkent University
09/2003	Instructor, Department of Archaeology and History of Art, Bilkent University, Ankar
01/2000-08/2003	Research Associate, Römisch-Germanisches Zentralmuseum Mainz

TEACHING

Courses

Name of the Course	Where
Human Evolution and World Prehistory	Bilkent University
Introduction to Archaeology	Bilkent University
Anatolian Archaeology I	Bilkent University

Neolithic and Chalcolithic Periods in Anatolia.	Bilkent University
Science in Archaeology	Bilkent University
Archaeology of Troy.	Bilkent University
Ancient Technologies and Materials	Bilkent University
Ancient Near Eastern and Egyptian Civilizations	Bilkent University
Palaeolithic Archaeology	Bilkent University
Introduction to European Prehistory	Bilkent University
The Early Bronze Age in Anatolia	Bilkent University
Societies and Cultures of the Classical World.	Bilkent University
History of the Ancient Near Eastern and Mediterranean Civilizations	Bilkent University
Innovations in Prehistory	Bilkent University (graduate seminar)
Hephaistos in the East: Early Metallurgy in Anatolia and its Neighboring Regions	Bilkent University (graduate seminar)
The Archaeology of War and Violence in Pre- and Early Historic Societies	Bilkent University (graduate seminar)
Late Bronze Age elites in Europe and the Mediterranean	Bilkent University (graduate seminar)
Crisis and Response in pre- and early history	Bilkent University (graduate seminar)
Early Metallurgists in the Hatti Heartland: New Archaeometrical Data from Early Bronze Age Central Anatolia	Trnava University, Slovakia (Seminar, ERASMUS staff exchange)
From Malachite to Metallurgy: Early Advances in Near Eastern Metal Production and Consumption	Trnava University, Slovakia (Seminar, ERASMUS staff exchange)
Thou shalt not kill....? Organized violence and warfare in European and Near Eastern Pre- and Early Historic societies	Wroclaw University, Poland (Seminar, ERASMUS staff exchange)
Fieldwork	
2016-2018	Alaca Höyük excavation (Prof. Dr. Aykut Çınaroğlu, Duygu Çelik); specialist for archaeometrical analysis of metals and metal production-related items
2011-2013	Project “Resuloğlu” (Ankara University, Prof. Dr. Tayfun Yıldırım); Excavation of Early Bronze Age settlement(s) and cemetery, Central Turkey; specialist for metal objects; supervisor of NW mound sounding.

- 2007-2008 Project “Nerik” (Freie Universität Berlin, PD Dr. Rainer Czichon); Excavation of multiperiod settlement mound in Oymaağaç, Samsun, North Turkey; specialist for Early Bronze Age finds and features
- 1996-1999 Student assistant at “Kuşaklı-Sarissa” (field director Prof. Dr. Andreas Müller-Karpe); Excavation of a Hittite provincial town in East Cappadocia, Turkey; trench supervisor, documentation of finds and features
- 1995-1998 Student assistant, research project “Bogenberg” (multiperiod hilltop settlement), Bavaria, Germany; documentation of finds and features.

SUPERVISION

PhD Thesis

- Year of submission** **Author, Title, 1st/2nd supervisor, University**
- In-Progress The Human Self and Environmental Perception in Neolithic Iconography, supervisor, Adnan Menderes University, Aydın

Master Thesis

- Year of submission** **Author, Title, 1st/2nd supervisor, University**
- 06/2023 Aziz Cem Kayaalp, Western Anatolian Metalwork and the Self-Image of Metalworkers in the Later 1st Millennium BC – A Historical-Archaeometrical Approach, Master Thesis, supervisor, Bilkent University
- 05/2018 Nurcan Aktaş, “Palaeolithic Research in Anatolia. History, Problems and Potential”, Master Thesis, supervisor, Bilkent University
- 06/2012 “Early Bronze Age Daggers in Central Anatolia”, Master Thesis, supervisor Bilkent University
- 07/2011 Non-Destructive X-Ray Fluorescence Analysis of Early Bronze Age Metal Items from Kalinkaya-Toptaştepe: With Critical Remarks on the Formely Applied Electrochemical Cleaning Procedure”, MSc Thesis, 2nd supervisor, Program in Archaeometry, Middle East Technical University
- 01/2010 Volkan Güngördü, Trade and Society in the Central Anatolian Neolithic – Settlement Patterns, Burial Customs and the Evidence for Interregional Trade”, Master Thesis, supervisor, Bilkent University

(FIELD) RESEARCH

- 2023-present Analysis and publication of Bronze and Iron Age finds and features from Polatlı Höyük, Turkey, in cooperation with the Museum of Anatolian Civilizations Ankara.
- 2017-2023 Analysis of copper-based metal artefacts from Kinet Höyük, covering all phases, from the Early Bronze Age (phase VI.4) through the Medieval period (phase I), in cooperation with the Regional Laboratories (Ankara Bölge Laboratuvarları) and SANAEM (Sarayköy Nuclear Research and Training Center

- 2007-2013 X-Ray Fluorescence (XRF), Raman- and Fourier-Transform-Infrared (FTIR) analyses of Early Bronze Age metal and mineral items from Central Anatolia; studies on metal production, consumption and alloying techniques in cooperation with SANAEM, the Museum of Anatolian Civilizations, and Ankara University (Prof. Dr. Tayfun Yildirim).
- 2006-2007 Kalinkaya – A Chalcolithic/ Early Bronze Age settlement and cemetery in North Central Anatolia. Publication of finds and original documentation, stored in the Museum of Anatolian Civilizations

SELECTED INTERNATIONAL CONFERENCES AND GUEST LECTURES (FROM 2000 ONWARDS)

- 04/2023 Tales of Evaluation and Devaluation - Spectrographic analysis of medieval metalwork from Kinet Höyük (İskenderun, Turkey)", Architectural Archaeology: The Material World of Ancient Monuments in Veliky Novgorod, 25-27
- 03/2023 Die letzten Jäger von Atlantis – Die Harranebene und Göbekli Tepe im Spannungsfeld wissenschaftlicher und postmoderner Narrative“, invited lecture, organized by DTAB (DeutschTürkischer Akademikerbund) and hosted by the Department of Prehistory, Georg-August University Göttingen
- 07/2022 'I reinforced the realms of my father and grandfather' – conjuring lost Hittite imperial glory in post-Hittite perilous times"; International Conference Translatio et Renovatio Imperii - Legitimacy construction through imperial succession and renewal from antiquity to the 21st century, Instytut Zachodni, 18.-20. July 2022, Poznań, Poland
- 04/2021 The North Remembers – A diachronic perspective on cultural memory and technology exchange in the Turco-Caucasian Black Sea region"; 12th International Congress on the Archaeology of the Ancient Near East (7th ICAANE), Bologna University, 06.-09. April 2021
- 03/2017 "The Blacksmith's finest hour? Insistence and Innovation in Hattian and "Early Hittite" metalwork (late 3rd and early 2nd millennium BC)", invited lecture, St. Kliment Ohridski Universität Sofia.
- 04/2015 Troia, Hattuša, Çatalhöyük – Drei Weltkulturerbestätten zwischen historischer Bürde und archäologischer Realität“, invited lecture, UNESCO World Heritage Center, Regensburg, Germany
- 04/2010 Lapanu – let (it) glow! Recent archaeometrical analysis of Hattian and Hittite metalwork", 7th International Congress on the Archaeology of the Ancient Near East (7th ICAANE), London, British Museum and University College London, 12-16 April 2010.
- 10/2006 Kult und Prunk im Herzen Hattis - Neue Forschungen zu frühbronzezeitlichen Siedlungen und Bestattungsplätzen in Zentralanatolien“, invited lecture, Institut für Vor- und Frühgeschichte der Johannes-Gutenberg Universität Mainz, Germany
- 04/2005 The Philosophy of Time and Time-Telling Devices in the Early Islamic World". Time and Astronomy in Past Cultures, under auspices of the Société Européenne pour l'Astronomie dans la Culture (SEAC), March 30th –April 1st, 2005, Torun, Poland

MONOGRAPHS

Zimmermann, T. (2007). *Die ältesten kupferzeitlichen Bestattungen mit Dolchbeigabe. Archäologische Untersuchungen in ausgewählten Modellregionen Alteuropas*. Mainz: Vorlag des Römisch-Germanischen Zentralmuseums.

Zimmermann, T. (2006). *Die bronze- und früheisenzeitlichen Troiafunde der Sammlung Heinrich Schliemann im Besitz des Römisch-Germanischen Zentralmuseums*. Mainz. Verlag des Römisch-Germanischen Zentralmuseum.

Now available as an E-Book free of charge at: <https://books.ub.uni-heidelberg.de//propylaeum/catalog/book/1346>

EDITORIAL WORK

C. Gates, C., Morin, J., Zimmermann, T. (2009). *Sacred Landscapes in Anatolia and Neighboring Regions*. Oxford: British Archaeological Reports.

A. Aykurt, A., Aydingün, Ş., Tekin, H., Zimmermann, S., Zimmermann, T. (2023). *Living the Aegean Spirit - Studies in Honour of Prof. Dr. Halime Hüryılmaz*. Ankara: Bilgin Kültür ve Sanat.

ARTICLES IN INTERNATIONAL PEER REVIEW JOURNALS

Zimmermann, T. (2021). The Hand of Man. Oswald Spengler's Thoughts on Cultural Morphology and its Benefits for Current Archaeological Debates, *Turkish Journal of Archaeological Sciences*, 1, 121-134.

Leschtakov, L., & Zimmermann, T. (2021). The first casting mould for a 'Syrian Bottle' from Lipnik, Bulgaria, *Praehistorische Zeitschrift*, 96, 1-12.

Zimmermann, T. (2021). Master and apprentice – some thoughts on Anatolian Chalcolithic and Early Bronze Age metalwork and the many dimensions of communicating skills and expertise. *ANODOS*, 15, 265-274.

Zararsız, A., & Zimmermann, T. (2020). The missing jigsaw piece – pXRF bulk analysis of the Karaburun dagger and some general considerations on metalwork in Early Bronze Age Western Anatolia, *Cedrus*, 8, 65-74.

Zimmermann, T. (2020). Ein Untergang im Morgenland? Göbeklitepe als Fallstudie für die Vollendung und das Verlöschen einer späteiszeitlichen Jäger- und Sammlerkultur. *Journal of the Oswald Spengler Society*, 3, 7-25.

Zimmermann, T. (2019). Snakes in the Plain! Contextualizing Prehistoric Near Eastern Snake Symbolism and Early Human Behaviour, *Anatolica*, 45, 17-27.

Zimmermann, T., & Özen, L. (2016). The Early Bronze Age figurine from Hasanoğlan, Central Turkey – New archaeometrical insights, *Anatolian Studies*, 66, 17-22.

Geniş, E., & Zimmermann, T. (2014). Early Bronze Age Metalwork in Central Anatolia – An Archaeometrical View from the Hamlet, *Praehistorische Zeitschrift*, 89, 280-290.

Zimmermann, T., Dilek, N., & Kağan Önder, T. (2011). Ein neues Schwert vom Typus 'Arslantepe' – frühmetallzeitliche Waffentechnologie zwischen Repräsentation und Ritual. Mit einem archäometrischen Beitrag von Latif Özen und Abdullah Zararsız, *Praehistorische Zeitschrift*, 86, 1-7.

Şahin, M., Polat, Y., & Zimmermann, T. (2011). Kapanca Limanı – Ein neuer Vorschlag zur Lokalisation der Stadt Caesarea Germanica, *OLBA*, XIX, 203-232.

Zimmermann, T., Özen, L., Kalaycı, Y., & Akdoğan, R. (2010) The Metal Tablet from Bogazköy-Hattusa: First Archaeometric Impressions, *Journal of Near Eastern Studies*, 69, 225-229.

Zimmermann, T. (2010). Verbogen, zerschlagen, zerhackt – Spuren ekstatischer Inszenierungen in frühbronzezeitlichen Gräbern Anatoliens, *Colloquium Anatolicum*, 9, 367-380.

Zimmermann, T., & İpek, Ö. (2010). The “Hattian” Metal Assemblage from Bekaroğlu Köyü – An Archaeometrical Footnote, *Anatolia Antiqua*, 18, 31-34.

Zimmermann, T. (2009). Zu möglichem Tatauierbesteck und Treibstacheln (Stimuli) in frühbronzezeitlichen Prunkgräbern aus Alaca Höyük, Turkey, *Prähistorische Zeitschrift*, 63, 141-150.

Zimmermann, T. (2008). Steinerner Rundgräber der inneranatolischen Frühbronzezeit – Isoliertes Phänomen oder kaukasisch-mittelasiatisches Erbe? *Archäologisches Korrespondenzblatt*, 38, 191-200.

Zimmermann, T. (2007). Kalinkaya-Toptaştepe, eine chalkolithisch-frühbronzezeitliche Siedlung mit Nekropole im nördlichen Zentralanatolien: Die Grabfunde der Kampagnen von 1971 und 1973, *Istanbuler Mitteilungen*, 57, 7-26.

Zimmermann, T. (2007). Anatolia as a Bridge from North to South? – Recent Research in the Hatti Heartland, *Anatolian Studies*, 57, 65-75.

İpek, Ö., & Zimmermann, T. (2007). Another glimpse at “Hattian” metalwork? – A group of Bronze Age metal items from Bekaroğlu Köyü, district of Çorum, Turkey, *Anatolia Antiqua*, 15, 49-58.

Zimmermann, T. (2007). Ein kupferzeitlicher Dolch im eisenzeitlichen Italien – Die notwendige Revision einer “sardischen” Stichwaffe aus dem Depotfund von San Francesco, Bologna, *Archäologisches Korrespondenzblatt*, 37, 51-56.

Zimmermann, T. (2007). Anatolia and the Balkans, once again – Ring-shaped idols from Western Asia and a critical reassessment of some „Early Bronze Age“-items from İkiztepe, Turkey, *Oxford Journal of Archaeology*, 26, 25-33.

Zimmermann, T. (2006). Zu den sogenannten Pilzknaufkeulen der anatolischen Frühbronzezeit – Zeremonialgerät zwischen Halysbogen und Kuban, *Eurasia Antiqua*, 12, 127-135.

Zimmermann, T. (2006). Bottles and Netbags – Some additional notes on my article about ‚Syrian Bottles‘ in *Anatolica* 31, 2005, *Anatolica*, 32, 229-231.

Zimmermann, T. (2006). Kult und Prunk im Herzen Hattis – Beobachtungen an frühbronzezeitlichem Zeremonialgerät aus der Nekropole von Kalinkaya/Toptaştepe, Provinz Çorum, *Colloquium Anatolicum*, 5, 213-224.

Zimmermann, T. (2006). Fluchtpunkt Hellespont? – Einige Bemerkungen zur Renaissance frühbronzezeitlicher Keramiktraditionen in der anatolischen Eisenzeit, *Altorientalische Forschungen*, 33, 94-101.

Zimmermann, T. (2005). Anatolische „Isisklappern“. Eine Randnotiz zu einigen bronzezeitlichen Sistren aus Alaca Höyük und „Horoztepe“, Turkey, *Archäologisches Korrespondenzblatt*, 35, 467-472.

Zimmermann, T. (2005). Zu den frühesten Blei- und Edelmetallfunden aus Anatolien – Einige Gedanken zu Kontext und Technologie, *Der Anschnitt*, 57, 190-199.

Zimmermann, T. (2005). Anmerkungen zu einer bronzezeitlichen Nackenhakenaxt aus dem Sammlungsbestand des RGZM, *Archäologisches Korrespondenzblatt*, 35, 169-174.

Zimmermann, T. (2005). Perfumes and Policies – A ‚Syrian Bottle‘ from Kinet Höyük and Anatolian Trade Patterns in the Advanced Third Millennium BC, *Anatolica*, 31, 2005, 161-169.

Zimmermann, T. (2004). Abstrakte „Idole“ aus Troia, *Archäologisches Korrespondenzblatt*, 34, 31-36.

Zimmermann, T. (2003). Zwischen Karpaten und Kaukasus – Anmerkungen zu einem Kupferdolch aus Wien-Essling, *Archäologisches Korrespondenzblatt*, 33, 469-477.

Banerjee, A., Huth, C., & Zimmermann, T. (2003). Frühe Steinwerkzeuge aus Anatolien. Archäologische und mineralogische Untersuchungen, *Archäologisches Korrespondenzblatt*, 33, 57-74.

Zimmermann, T. (2002). Eine „Syrische Flasche“ der Troiasammlung des Römisch-Germanischen Zentralmuseums, *Archäologisches Korrespondenzblatt*, 32, 51-57.

Zimmermann, T. (2001). Ein spätkupferzeitlicher Griffzungendolch aus Pettstadt, Landkreis Bamberg, Oberfranken, *Das Archäologische Jahr in Bayern*, 43-44.

BOOK CHAPTERS

T. Zimmermann, T. (2023). Zu zwei bemerkenswerten reliefierten Keramikbruchstücken aus KalinkayaToptaštepe. In A. Aykurt, Ş. Aydingün, H. Tekin, S. Zimmermann, T. Zimmermann (Eds.), *Living the Aegean Spirit – Studies in Honour of Prof. Dr. Halime Hüryılmaz*, (pp. 445-454). Ankara: Bilgin Kültür ve Sanat.

Zimmermann, T. Korkutan bir hayvanat-ı berriyye – Göbekli Tepe'nin tasvirlerini okumak. In V. Ayhan, E. Tüylüoğlu (Eds.), *Göbeklitepe ve Semboller*, (pp. 19-42). Istanbul: Alfa.

Zimmermann, T. (2021). Spacetravelling in the Garden of Eden – Göbekli Tepe, or the challenge to communicate prehistoric archaeology in a shark pond of post-modern trivialities. In L. Peschke (Ed.), *Let's Write About Science! Case Studies and best practises of science popularisation and storytelling*, (pp. 139-154). Frankfurt: Peter Lang.

Zimmermann, T. (2020). Hatay Bay Hittites? – A Primary Archaeometrical Assessment of Late Bronze Age metalwork at Kinet Höyük. In S.W.E. Blum, T. Efe, T. L. Kienlin, E. Pernicka (Eds.), *From Past to Present. Studies in Memory of Manfred O. Korfmann*, (pp. 185-192). Bonn: Rudolf Habelt.

Zimmermann, T., & Mehofer, M. (2019). „Leutselig macht das Missgeschick“ – Überlegungen zu „misslungenem“ Kultgerät der Frühbronzezeit aus Kalinkaya-Toptaštepe, Prov. Çorum, Türkei. Mit einem Beitrag zur Fertigungstechnik von Mathias Mehofer. In M. Schönhofer, H. Baitinger (Eds.), *Hallstatt und Italien. Festschrift für Markus Egg*, (pp. 3-12). Mainz: Verlag des Römisch-Germanischen Zentralmuseums.

Zimmermann, T. (2017). Anyone out there? Looking for Life in Early 3rd Millennium Central Anatolia. In E. Kozal, M. Akar, Y. Heffron, Ç. Çilingiroğlu, T. E. Şerifoğlu, C. Çakırlar, S. Ünlüsoy, E. Jean (Eds.), *Questions, Approaches, and Dialogues in the Eastern Mediterranean Archaeology. Studies in Honor of Marie-Henriette and Charles Gates*, (pp. 201-212). Münster: Ugarit-Verlag.

Zimmermann, T. (2016). Frühmetallzeitliche Metallurgie und Chronologie entlang der türkischen Schwarzmeerküste. Zwei Themen – ein Diskurs. In B. Hänsel, W. Schier (Eds.), *Der Schwarzmeerraum vom Neolithikum bis in die Früheisenzeit (6000–600 v. Chr.). Kulturelle Interferenzen in der zirkumpontischen Zone und Kontakte mit ihren Nachbargebieten*, (pp. 215-223). Rahden/Westf.: Marie Leidorf.

Zimmermann, T. (2016). Early Bronze Age Elites: A Fresh Look at Some Old and New Evidence from West and Central Anatolia. In E. Pernicka, S. Ünlüsoy, S.W.E. Blum (Eds.), *Early Bronze Age Troy. Chronology, Cultural Development and Interregional Contacts. Studia Troica Monograph Series 8*, (pp. 277-287). Bonn: Rudolf Habelt.

Zimmermann, T. (2015). Lithic Daggers in the Ancient Near East – Whence and Whither? In C. J. Frieman, B. Eriksen (Eds.), *Flint Daggers in Prehistoric Europe and Beyond*, (pp. 10-18). Oxford: Oxbow.

Zimmermann, T. (2011). Hieb- und stichfest? – Kritische Betrachtungen zu einigen frühbronzezeitlichen Waffenformen aus Vorderasien. In A. Öztan, Ş. Dönmez, M. Türkteki (Eds.), *Karadeniz'den Fırat'a Bilgi Üretimleri. Knowledge Production From the Black Sea to the Euphrates. Önder Bilgi'ye Armağan Yazılar. Studies Presented in Honour of Önder Bilgi* (pp. 471-480). Ankara: Bilgin Kültür ve Sanat.

Zimmermann, T. (2009). Frühmetallzeitliche Eliten zwischen Ostägäis und Taurusgebirge im 3. Jahrtausend v. Chr. – Versuch einer kritischen Bestandsaufnahme. In M. Egg, D. Quast (Eds.), *Aufstieg und Untergang. Zwischenbilanz des Forschungsschwerpunktes „Studien zu Genese und Struktur von Eliten in vor- und frühgeschichtlichen Gesellschaften* (pp. 1-29). Mainz: Verlag des Römisch-Germanischen Zentralmuseums.

Zimmermann, T. (2008). Kultureller Austausch im südosteuropäisch-türkischen Schwarzmeergebiet vom 5. bis zum 3. Jahrtausend v. Chr. – Annäherungen an ein chronologisches und forschungsgeschichtliches Dilemma. In P. Schauer (Ed.), *Festgabe 40 Jahre Lehrstuhl für Vor- und Frühgeschichte der Universität Regensburg 1968-2008. Regensburger Beiträge zur Prähistorischen Archäologie Bd. 20*, (pp. 461-479). Regensburg: Universitätsverlag.

Neudert, C., & Zimmermann, T. (2000). Zu einigen bronzezeitlichen Metallfunden aus Privatbesitz. In M.M. Rind (Ed.), *Geschichte ans Licht gebracht. Archäologie im Landkreis Kelheim Bd. 3 (1997-1999)*, (pp. 68-78). Büchenbach: Dr. Faustus.

Zimmermann, T. (1997). Eine urnenfelderzeitliche Bestattung im Baugebiet Dünzling-West. In M. Rind (Ed.), *Von Keltenkrieger und Kirchenmäusen. Archäologie im Landkreis Kelheim Bd. 2 (1994-1996)*, (pp. 101-103). Regensburg: Universitätsverlag.

Rind, M., & Zimmermann, T. (1997). Neufunde aus der Zivilsiedlung des Eininger Auxiliarkastells Abusina. In M. Rind (Ed.), *Von Keltenkrieger und Kirchenmäusen. Archäologie im Landkreis Kelheim Bd. 2 (1994-1996)*, (pp. 153-156). Regensburg: Universitätsverlag.

ARTICLES IN CONFERENCE PROCEEDINGS

Zimmermann, T. (2023). Der Tod macht uns im Grabe gleich – Diesseitiges und Jenseitiges zum Analogieproblem bei der Interpretation frühbronzezeitlicher Prunkgräber. In B. Gediga, S. Nowaczyk,

H. P. Dabrowski, M. Olszta-Bloch (Eds.), *From Archaeology of Objects to Archaeology of Idea*, (pp. 117-134). Biskupin-Wroclaw: Biskupin Archaeological Museum.

Zimmermann, T., Leschtakov, L. (2022). *Syrian Bottles in the 3rd Millenium BCE Negotiating a New Northbound Distribution Axis*. In M. Işıklı, E. Fidan, A. Türker, M. A. Yılmaz (Eds.), *MÖ III. Binyılda Anadolu*, (pp. 77-85). Istanbul: Ege Yayınları.

Zimmermann, T. (2021). *Rethinking the great void - the inception, idleness and Balkan-born „second coming” of Anatolian Late Chalcolithic metalwork*. In K. Leschtakov, M. Andonova (Eds.), *Galabovo in Southeast Europe and Beyond. Cultural Interactions during the 3rd-2nd Millennium BC Proceedings of the International Conference 24-27 October 2018 in the Town of Galabovo*, (pp. 192-207). Sofia: St. Kliment Ohridski University Press.

Zimmermann, T. (2012). *Lapanu-let (it) glow! Recent Archaeometric Analyses of Hattian and Hittite Metalwork*. In R. Matthews, J. Curtis (Eds.), *Proceedings of the 7th International Congress on the Archaeology of the Ancient Near East, 12 April – 16 April 2010, the British Museum and UCL, London*, (pp. 303-312). Wiesbaden: Harrassowitz.

Zimmermann, T. (2009). *Excavating Thorstein Veblen – Thoughts on conspicuous consumption amongst social elites in Early Bronze Age Asia Minor*. In Ç. Özkan Aygün (Ed.), *SOMA 2007. Proceedings of the XI Symposium on Mediterranean Archaeology, Istanbul Technical University, 24-29 April 2007*. BAR International Series 1900, (pp. 463-466). Oxford: British Archaeological Reports.

Zimmermann, T. (2009). *The ‘inhospitable sea’ revisited. Reevaluating Pontic human activity and interaction from the 5th to the 3rd millennium BC*. In H. Oniz (Ed.), *SOMA 2008. Proceedings of the XII Symposium on Mediterranean Archaeology, Eastern Mediterranean University, Famagusta, North Cyprus, 5-8 March 2008*. BAR International Series 1909, (pp. 158-164). Oxford: British Archaeological Reports.

Zimmermann, T., Yıldırım, T. (2008). *Three Best to Have in Plenty – Rethinking Central Anatolian Early Bronze Age Alloying Traditions*. In Ü. Yalçın, H. Özbal, A. G. Paşamehmetoğlu (Eds.), *Ancient Mining in Turkey and the Eastern Mediterranean*, (pp. 87-97). Ankara: Atılım University Press.

Zimmermann, T. (2006). *The Philosophy of Time and Time-telling Devices in the Early Islamic World*. In A. Sołtysiak (Ed.), *Time and Astronomy in Past Cultures*, (pp. 63-73). Warszawa: State Archaeological Museum.

BOOK REVIEWS

T. Zimmermann, Review of Julian Winiker, *Die bronzzeitlichen Vollgriffschwerter in Böhmen. Prähistorische Bronzefunde Abteilung IV, Bd. 19*. Stuttgart: Franz Steiner Verlag. *Zeitschrift für Ostmitteleuropaforschung* 66, 2017, 595-597.

T. Zimmermann, Review of Marek Gedl, *Die Pfeilspitzen in Polen. Prähistorische Bronzefunde Abteilung V, Bd. 6*. Stuttgart: Franz Steiner Verlag. *Zeitschrift für Ostmitteleuropaforschung* 64, 2015, 428-430.

T. Zimmermann, Review of S.W.E. Blum, *Die ausgehende frühe und die beginnende mittlere Bronzezeit in Troia. Archäologische Untersuchungen zu ausgewählten Fundkomplexen der Perioden Troia IV and Troia V. Studia Troica Monographien 4*. Darmstadt: Verlag Philipp von Zabern 2012. *Prähistorische Zeitschrift* 89, 2014, 209-211.

T. Zimmermann, Review of Petr Novák: Die Dolche in Tschechien. Prähistorische Bronzefunde Abteilung VI, Bd. 13. Stuttgart: Franz Steiner Verlag. Zeitschrift für Ostmitteleuropa-Forschung 62, 2013, 637-639.

T. Zimmermann, Review of J. Nieling, Die Einführung der Eisentechnologie in Südkasien und Ostanatolien während der Spätbronze- und Früheisenzeit (Black Sea Studies 10). Aarhus: Aarhus University Press 2009. Antiquity 85, 2011, 675-676.

T. Zimmermann, Review of J. Lesley Fitton, The Aigina Treasure: Aegean Bronze Age Jewellery and a Mystery Revisited. The British Museum Press, London 2009. American Journal of Archaeology 115/2, 2011.

T. Zimmermann, Review of A. Sagona, Ancient Turkey. Routledge, Abingdon 2009. Antiquity 84, 2010, 263-264.

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