

# Curriculum Vitae

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## **Joao Manuel F. Marreiros**

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### *Research profiles:*

ORCID: <https://orcid.org/0000-0002-3399-8765>

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Figshare: [https://figshare.com/authors/Joao\\_Marreiros/2801788](https://figshare.com/authors/Joao_Marreiros/2801788)

Publons: <https://publons.com/a/1534012/>

## **1. Academic positions**

Since 2017. **Junior Research Group Leader**. TraCEr, Traceology laboratory. Römisch-Germanisches Zentralmuseum -Forschungsinstitut für Archäologie (RGZM), Archaeological Research Institute. MONREPOS Archaeological Research Centre and Museum for Human Behavioural Evolution. Research infrastructure grant, Eur 2.9 million.

Since 2017. **Adjunct Lecture**. Johannes Gutenberg-Universität Mainz, Mainz. Germany.

Since 2013. **Visiting assistant Professor**. Universidade do Algarve. Faculdade das Ciências Humanas e Sociais. Campus Gambelas, Faro. Portugal.

Since 2013. **Associated scientist** at the ICArEHB, International research Centre for archaeology and evolution of Human behavior. Universidade do Algarve, Portugal.

2014-2016. **Postdoctoral fellow** (Jan 2014 - Dez 2016) at ICArEHB Universidade do Algarve (Faro, Portugal) and Instituto Milà I Fontanals Consejo Superior de Investigaciones Científicas (Barcelona, Spain). Project title “*The contribution of use-wear and residue analysis for the study of the Earliest Anatomically Modern Humans in Southwestern Iberian Peninsula*”. Funding: Fundação para a Ciência e Tecnologia (SFRH/BPD/94668/2013). Supervisors: Nuno F. Bicho, ICArEHB, Universidade do Algarve, Portugal and Juan Gibaja, CSIC-IMF, Barcelona.

## **2. Education**

2009 – 2013. **Ph.D.** in Archaeology, University of Algarve, Portugal. Dissertation title: “*Lithic variability and organization during the Gravettian in SW Iberian Peninsula*”. Supervisors: Nuno Bicho and Juan Gibaja.

2007 – 2009. **Master** (MA) in Archaeology, University of Algarve, Portugal. Dissertation title: “*The first anatomically modern human populations in the SW Iberia. Paleo-technological and paleo-ethnographic reconstruction of the Gravettian and Solutrean occupations in Vale Boi (Southern Portugal)*”. Supervisors: Nuno Bicho and Juan Gibaja.

2003 – 2007. Licenciatura (**BA** studies) in Cultural Heritage, University of Algarve, Portugal. Dissertation title: “*Lithic technological analysis of the Magdalenian occupation from Costa do Pereiro*”. Supervisor: Nuno Bicho.

### *Research interests*

Paleolithic archaeology, lithic technological and typological analysis, lithic use-wear analysis, experimental archaeology, field archaeology.

## **3. Fellowships and distinctions**

2017 – 2019. **Marie Curie Individual Fellowships (IF)** (MSCA-IF-EF-ST). “*StoneUseWear, Using controlled experiments and 3D data quantification to understand stone use-wear formation*”. Total score: 98.8%. Department of Human Evolution, Max Planck Institute for Evolutionary Anthropology, Leipzig

2015 – 2018. **FCT Postdoctoral fellowship**, at ICArEHB, Universidade do Algarve (Faro, Portugal) and Instituto Milà I Fontanals Consejo Superior de Investigaciones Científicas (Barcelona, Spain).

2010 – 2014. **FCT PhD fellowship**, at ICArEHB, Universidade do Algarve (Faro, Portugal), FCT SFRH/BD/65301/2009.

2003 – 2007. **Thesis prize** (Bachelor thesis), awarded by the Associação Arqueológica do Algarve (Archaeological Society of Algarve, Portugal). Eur 1000

#### **4. Research grants and other funding**

2017. PaleoCoast Paleolithic human coastal adaptation in southwestern Iberian Peninsula. Funded by Associação Arqueológica do Algarve, Eur 2000 (2017 survey field season).

2010. Participation grant for poster contribution in Paleoanthropology Society meeting Annual meeting, 2010. St. Louis, USA

#### **5. Teaching**

##### *University course*

Since 2017. Use-wear and residue analysis in archaeology. Block course. Vor- und Frühgeschichtliche Archäologie, Übungen. Johannes Gutenberg-Universität Mainz, Mainz. Germany. (English)

Since 2017. Quantitative methods in archaeological analysis. Block course. Vor- und Frühgeschichtliche Archäologie, Übungen. Johannes Gutenberg-Universität Mainz, Mainz. Germany. (English)

Since 2015. Use-wear and residue analysis in archaeology. PhD program. Universidade do Algarve, Portugal (English)

2012 – 2016. Pleistocene Hunter-Gatherers from Iberian Peninsula. B.A. program Universidade do Algarve, Portugal (Portuguese).

2009 – 2011. Theory and Methods of laboratory analysis – lithic technology. B.A. program Universidade do Algarve, Portugal (Portuguese).

2009 – 2011. Excavation methods and techniques. B.A. program Universidade do Algarve, Portugal (Portuguese).

##### *Postdoctoral supervision*

2017-2020. Dr. Ivan Calandra. TraCEr, MONREPOS, RGZM.

2018-2020. Dr. Antonella Pedernana, TraCEr, MONREPOS, RGZM.

##### *PhD and Master students*

2018-2020. Eduardo Paixao, PhD candidate. “Groundbreaking technologies in the Middle Paleolithic of the Levant: High resolution functional analyses of Ground Stones Tools”. University of Mainz.

2018-2020. Lisa Schunk, PhD candidate. “Morpho-functional design of asymmetric tools – use-wear analysis and controlled experiments as an approach to understand technological ability of Late Neanderthals”. University of Mainz.

2019-2021. Daniel Lauer, PhD candidate. “Use-wear analysis of the Aurignacian lithic assemblage from Breitenbach”. University of Mainz.

2018-2017. Lena Zoll, Master student. *Tracing the Past: Use-Wear and Taphonomy on Osseous Materials. A Case Study on a horse rib from the Middle Palaeolithic open-air site of Salzgitter-Lebenstedt (Lower-Saxony, Germany)*. University of Mainz, Germany

##### *Student supervision or co-supervision during internships*

2019. 2018-2021. Youssef Djellal, PhD candidate. “Origins of the Cognitive Complexity: a multidisciplinary approach from 100,000 B.C.E North African sequences”. Internship at TraCEr MONREPOS.

2019. Patricia Bello Alonso. PhD candidate, Centro de Investigación sobre la Evolución Humana (CENIEH, Burgos-Spain). “Functional study of the Acheulean lithic industry of Thiongo Korongo archaeological site in Olduvai Gorge” Internship at TraCEr MONREPOS.

2019. Ana Álvarez Fernández. PhD candidate. University of Burgos. “Functional analysis on the Mousterian lithic assemblages of the Galería de las Estatuas (Sierra de Atapuerca, Burgos) and Navalmaillo Rock Shelter (Pinilla del Valle, Madrid, Spain) sites”. Internship at TraCEr MONREPOS.

#### **6. Research projects**

As director and co-director

Since 2017. PaleoCoast (PI), Paleolithic human coastal adaptation in southwestern Iberian Peninsula. Sagres, Portugal.

Since 2017. Transaire (PI), The Late Pleistocene-Holocene transition in Iberian Peninsula: human ecological and technological adaptation, and the Epipaleolithic mosaic in central Portugal. Torres Novas, Portugal.

Since 2015. EcoPis (co-PI), Human occupation in the Pleistocene Ecotones of River Lis. Leiria, Portugal. Web: [ecoplis.jimdo.com](http://ecoplis.jimdo.com)

2006 – 2007. Carta arqueológica subaquática do Concelho de Lagos, Portugal. Underwater archaeological survey in Lagos's bay.

#### *As invited specialist*

Since 2018. TransCause – Pleistocene Cultural transformations and population dynamics in Southern Caucasus

Since 2018. Middle Paleolithic seasonal land use adaptations in the Armenian volcanic highlands:

Excavations at Kalavan 2. Funded by Lealely

Since 2016. Settlement of Homo sapiens in Central North Bulgaria, chronostratigraphy and Pleistocene paleoenvironment in the context of the Lower Danube valley. Funded by NAIM-BAS (Bulgaria) and Max Planck Institute for Evolutionary Anthropology (MPI-EVA), Leipzig.

2013 – 2015. Middle Stone Age archaeology and the origins of modern humans in southern Mozambique. Funded by FCT PTDC/EPH-ARQ/4998/2012

2011 – 2014. The last Neanderthals and the emergence of Modern Humans in Southwestern Iberia. Funded by FCT PTDC/HIS-ARQ/117540/2010.

2011 – 2014. The last hunter-gatherers of Muge (Portugal): the origins of social complexity. Funded by FCT PTDC/HIS-ARQ/112156/2009.

#### *As Younger Researcher (PhD student)*

2009 – 2015. Younger researcher, SPLASHCOS – Submerge prehistoric archaeology and landscape of the continental shelf. European Cooperation in the field of Scientific and Technical Research (COST).

#### **7. Associated editor**

Lithic of Journal Studies (Open Access publication)

#### **8. Reviewer**

Archaeological and Anthropological sciences

Quaternary International

Quartär

Journal of Archaeological Sciences

Journal of Archaeological Sciences: Reports

Nature Scientific Reports

Journal of Archaeological Methods and Theory

PlosOne

Journal of Paleolithic Archaeology

#### **9. Publications**

h-index: 12

i10-index: 18

#### *Books and edited volumes*

##### Published

1. Gibaja, J., Clemente, I., Mazzucco, N., Marreiros, J. (Eds.) 2020. Hunter-Gatherers Toolkit: A functional perspective. Cambridge Scholars Publishing.
2. Marreiros, J., Gibaja, J., Bicho, N. (Eds.) 2015. Use-Wear and residue analysis in archaeology. Manuals in archaeological method, theory and technique series. Springer.
3. Marreiros, J., Gibaja, J., Bicho, N. (Eds.) 2014. Proceedings of the International conference on Use-Wear analysis, Use-Wear 2012. Cambridge Scholars Publishing.

#### *Peer-reviewed papers*

##### Submitted

- Pereira, T., Marreiros, J., Martins, R. A new experimental design to examine quartzite vs chert edge reduction and its relevance to lithic raw material variability, selection and use. Archaeological and Anthropological Science. *Under review*

##### In press

- Pedergnana, A., Calandra, I., Konstantin, B., Gneisinger, W., Paixão, E., Schunk, L., Hildebrandt, A., Marreiros, J. *Accepted in press*. Evaluating the microscopic effect of brushing stone tools as a cleaning procedure. *Quaternary International*.

#### Published

1. Marreiros, J., Pereira, T., & Iovita, R. 2020. Controlled experiments in lithic technology and function. *Archaeological and Anthropological Sciences*, 12(6), 110. <https://doi.org/10.1007/s12520-020-01059-5>
2. Hublin, J. Sirakov, N., Aldeias, V., Bailey, S., Bard, E., Delvigne, V., Faugault, Y., Fewlass, H., Hajdinjak, M., Kromer, B., Krumov, I., Marreiros, J., Martisius, N., Paskulin, L., Sinet-Mathiot, V., Meyer, M., Pääbo, S., Popov, V., Rezek, Z., Sirakova, S., Skinner, M., Smith, G., Spasov, R., Talamo, S., Tuna, T., Wacker, L., Welker, F., Wilcke, Q., Zahariev, N., McPherron, S., Tsanova, T., 2020. Initial Upper Paleolithic Homo sapiens remains from Bacho Kiro Cave (Bulgaria). *Nature*. <https://doi.org/10.1038/s41586-020-2259-z>
3. Marreiros, J., Calandra, I., Gneisinger, W., Paixao, E., Pedergnana, A., Schunk, L. 2020. Rethinking functional analysis as applied to the study of past hominin tool use. *Journal of Paleolithic Archaeology*. <https://doi.org/10.1007/s41982-020-00058-1>
4. Calandra, I., Gneisinger, W., Marreiros, J. 2020. A versatile mechanized setup for controlled experiments on archaeology. *Journal of Science and Technology of Archaeological Research*. <https://doi.org/10.1080/20548923.2020.1757899>
5. Gameiro, C., Aubry, T., Almeida, F., Dimuccio, L., Gabriel, S., Gaspar, R., Xavier, P. (2020). Archaeology of the Pleistocene-Holocene transition in Portugal: Synthesis and prospects. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2020.03.018>
6. Haws, J.A., Benedetti, M.M., Funk, C.L., Bicho, N.F., Pereira, T., Marreiros, J., Daniels, J.M., Forman, S.L., Minckley, T.A., Denniston, R.F., 2020. Late Pleistocene Landscape and Settlement Dynamics of Portuguese Estremadura. *Journal of Field Archaeology* 0, 1–27. <https://doi.org/10.1080/00934690.2020.1733780>
7. Calandra, I., Schunk, L., Bob, K., Gneisinger, W., Pedergnana, A., Paixao, E., Hildebrandt, A., Marreiros, J., 2019. The effect of numerical aperture on quantitative use-wear studies and its implication on reproducibility. *Scientific Reports* 9, 6313. <https://doi.org/10.1038/s41598-019-42713-w>
8. Calandra, I., Pedergnana, A., Gneisinger, W., Marreiros, J., 2019. Why should traceology learn from dental microwear, and vice-versa? *Journal of Archaeological Science* 110, 105012. <https://doi.org/10.1016/j.jas.2019.105012>
9. Calandra, I., Schunk, L., Rodriguez, A., Gneisinger, W., Pedergnana, A., Paixao, E., Pereira, T., Iovita, R., Marreiros, J., 2019. Back to the edge: relative coordinate system for use-wear analysis. *Archaeol Anthropol Sci*. <https://doi.org/10.1007/s12520-019-00801-y>
10. Paixão, E., Marreiros, J., Pereira, T., Gibaja, J., Cascalheira, J., Bicho, N., 2019. Technology, use-wear and raw material sourcing analysis of a c. 7500 cal BP lithic assemblage from Cabeço da Amoreira shell midden (Muge, Portugal). *Archaeol Anthropol Sci* 11, 433–453. <https://doi.org/10.1007/s12520-018-0621-y>
11. Assis, S., Branco, R., Carvalho, V., Dias, R., Duarte, C., Évora, M., Farias, A., Holliday, T., Marreiros, J., Matias, R., Monteiro, P., Nora, D., Paixão, E., Pereira, T., 2019. An unusual coronoid fracture in a fragment of ulna recovered from the Prehistoric site of Buraca da Moira Rock Shelter (Boa Vista, Leiria). *Antropologia Portuguesa* 35, 69–82. <https://impactum-journals.uc.pt/antropologiaportuguesa/article/download/6225/5079/>
12. Marreiros, J., Gibaja, J., Bicho, N., 2018. Lithic use-wear analysis of the Early Gravettian of Vale Boi (Cape St. Vicente, southern Portugal): insights into human technology and settlement in southwestern Iberia. *Archaeol Anthropol Sci* 10, 631–645. <https://doi.org/10.1007/s12520-016-0382-4>
13. Sirakov, N., Tsanova, T., Hublin, J.-J., Sirakova, S., McPherron, S. P., Talamo, S., Marreiros, J., Smith, G., Fewllas, H., Krumov, I., Spasov, R., Rezek, Z., Sinet-Mathiot, V., Zahariev, N. 2017. Reopened Bacho Kiro - new data on Middle/Upper Palaeolithic transition and Early-Middle stages of Upper Palaeolithic. In *Archaeological discoveries and excavation from 2016* (pp. 32-36). Sofia: NIAM-BAN.
14. Carvalho, A.F., Valente, M.J., Marreiros, J. 2016. Mosaic adaptations of Early Holocene hunter-gatherers in central Portugal: lithic and faunal evidence from the open air site of Costa do Pereiro (Torres Novas). *Quartar* 63, 169-187. [http://www.quartaer.eu/pdfs/2016/2016\\_09\\_carvalho.pdf](http://www.quartaer.eu/pdfs/2016/2016_09_carvalho.pdf)
15. Bicho, N., Cascalheira, J., Marreiros, J., Pereira, T. 2017. Rapid climatic events, and long-term cultural change: the case of the Portuguese Upper Paleolithic. *Quaternary International*, 428 (Part B), 3-16. <https://doi.org/10.1016/j.quaint.2015.05.044>
16. Bradtmöller, M., Marreiros, J., Pereira, T., & Bicho, N. 2016. Lithic technological adaptation within the Gravettian of the Iberian Atlantic region: Results from two case studies. *Quaternary International*, 406, 3–24. <https://doi.org/10.1016/j.quaint.2015.08.075>

17. Pereira, T., Bicho, N., Cascalheira, J., Infantini, L., Marreiros, J., Paixão, E., & Terradas, X. (2016). Territory and abiotic resources between 33 and 15.6 ka at Vale Boi (SW Portugal). *Quaternary International*, 412, 124–134. <https://doi.org/10.1016/j.quaint.2015.08.071>
18. Bicho, N., Marreiros, J., Cascalheira, J., Pereira, T., Haws, J., 2014. Bayesian modeling and the chronology of the Portuguese Gravettian. *Quaternary International* 359-360, 499–509. <https://doi.org/10.1016/j.quaint.2014.04.040>
19. Marreiros, J., Bicho, N., Gibaja, J., Pereira, T., Cascalheira, J., 2014. Lithic technology from the Gravettian of Vale Boi: new insights into Early Upper Paleolithic human behavior in Southern Iberian Peninsula. *Quaternary International* 359-360, 479–498. <https://doi.org/10.1016/j.quaint.2014.06.074>
20. Tata, F., Cascalheira, J., Marreiros, J., Pereira, T., Bicho, N. 2014. Shell bead production in the Upper Paleolithic of Vale Boi (SW Portugal): an experimental perspective. *Journal of Archaeological Science* 42, 29–41. <https://doi.org/10.1016/j.jas.2013.10.029>
21. Marreiros, J., Bicho, N., 2013. Lithic technology variability and human ecodynamics during the Early Gravettian of Southern Iberian Peninsula. *Quaternary International* 318, 90–101. <https://doi.org/10.1016/j.quaint.2013.05.008>
22. Bicho, N., Manne, T., Marreiros, J., Cascalheira, J., Pereira, T., Tátá, F., Évora, M., Gonçalves, C., Infantini, L., 2013. The ecodynamics of the first modern humans in Southwestern Iberia: The case of Vale Boi, Portugal. *Quaternary International* 318, 102–116. <https://doi.org/10.1016/j.quaint.2013.06.029>
23. Bicho, N., Cascalheira, J., Marreiros, J., Gonçalves, C., Pereira, T., Dias, R., 2013. Chronology of the Mesolithic occupation of the Muge valley, central Portugal: The case of Cabeço da Amoreira. *Quaternary International* 308-309, 130–139. <https://doi.org/10.1016/j.quaint.2012.10.049>
24. Pereira, T., Cascalheira, J., Marreiros, J., Almeida, F., Bicho, N. 2013. Variation in quartzite exploitation during the Upper Palaeolithic of Southwest Iberian Peninsula. *Trabajos de Prehistoria* 69, 232–256. <http://tp.revistas.csic.es/index.php/tp/article/download/624/646>
25. Manne, T., Cascalheira, J., Évora, M., Marreiros, J., Bicho, N., 2012. Intensive subsistence practices at Vale Boi, an Upper Paleolithic site in southwestern Portugal. *Quaternary International* 264, 83–99. <https://doi.org/10.1016/j.quaint.2012.02.026>

*Papers and chapters in edited volumes*

Published

1. Bicho, N., Infantini, L., Marreiros, J. 2020. Portugal: Intertidal Archaeology and Submerged Coastal Landscapes, pp. 295-305. In Bailey, G., Galanidou, N., Peeters, H., Jöns, H., Mennenga, M. (Eds.) *The Archaeology of Europe's Drowned Landscapes*. Coastal Research Library 35. Springer. [https://doi.org/10.1007/978-3-030-37367-2\\_14](https://doi.org/10.1007/978-3-030-37367-2_14)
2. Marreiros, J., Bicho, N., Gibaja, J., Cascalheira, J., Pereira, T. 2016. Early Gravettian projectile technology in Southwestern Iberian Peninsula: the double backed and bipointed bladelets of Vale Boi (Portugal). In Iovita, R. & Sano, K. (Eds.) *Multidisciplinary Approaches to the Study of Stone Age Weaponry*. Vertebrate Paleobiology and Paleoanthropology Series, Springer, pp.147-158.
3. Marreiros, J., Mazzucco, N., Gibaja, J. 2015. State of art of use-wear studies. Marreiros, In J., Gibaja, J., Bicho, N. (Eds.) *Use-Wear and residue analysis in archaeology*. Manuals in archaeological method, theory and technique. Springer. Pp. 5-26.
4. Bicho, N., Marreiros, J., Gibaja, J. 2015. Use–Wear and Residue Analysis in Archeology. In J., Gibaja, J., Bicho, N. (Eds.) *Use-Wear and residue analysis in archaeology*. Manuals in archaeological method, theory and technique. Springer. Pp. 1-4.
5. Bicho, N., Cascalheira, J., Marreiros, J., Pereira, T. 2013. The Upper Paleolithic of Southern Portugal: 2006-2011. Noiret, P. (ed.) *Le Paléolithique supérieur européen. Bilan quinquennal 2006 – 2011*. Union Internationale des Sciences Préhistoriques et Protohistoriques, Commission VIII, ERAUL 130, pp. 120-134. Liège.
6. Monteiro, P. D., Cascalheira, J., Marreiros, J., Pereira, T., Bicho, N. 2014. Fire as a componente of Mesolithic funerary rituals: charcoal analyses from a burial in Cabeço da Amoreira (Muge, Portugal). Foulds, F., Drinkall, H., Perri, A., Clinnick, D., Walker, J. (ed.) *Wild Things: recent advances in Palaeolithic and*
7. Marreiros, J. & Cascalheira, J. Paleolítico Superior e Mesolítico. Carvalho, A. & Gibaja, J. (Eds.) *Introdução ao Estudo da Pedra Lascada*. Edições Colibri, pp. 35-57. Lisboa.
8. Bicho, N., Cascalheira, J., Marreiros, J. 2013. On the (I)ledge: the case of Vale Boi rockshelter (Algarve, Southern Portugal). Bergsvik, K. & Skeates, R. (eds). *Caves in Context: The Cultural Significance of Caves and Rockshelters in Europe*, pp. 134-156 Oxbow Books.
9. Marreiros, J., Cascalheira, J., Bicho, N. 2012 Flake technology from the Early Gravettian of Vale Boi (Southwestern Iberian Peninsula). In Pastoors, A. & Peresani, M. (Eds). *Flakes not blades: The role of flake*

production at the onset of the Upper Paleolithic in Europe. *Wissenschaftliche Schriften des Neanderthal Museums 5*, Mettmann.

*Paper in conference proceedings*

In press (accepted)

1. Jesus, L., Marreiros, J., Cascalheira, J., Gibaja, J., Pereira, T., Bicho, N. In press. Occupation, functionality and culture. Preliminary results from microliths technology and use-wear analysis of Cabeço da Amoreira (Muge, Portugal). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
2. Bicho, N., Pereira, T., Umbelino, C., Jesus, L., Marreiros, J., Cascalheira, J. In press. The construction of a shell midden: the case of Cabeço da Amoreira, Muge (Portugal). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
3. Marreiros, J., Jesus, L., Cascalheira, J., Pereira, T., Gibaja, J., Bicho, N. In press. Shell we move? New technological approach to Mesolithic settlement patterns at Muge (Portuguese Estremadura). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
4. Marreiros, J., Jesus, L. In press. Itinerário virtual do sítio arqueológico Âncoras. Actas do Congresso CAA Portugal 2007 (Associação para o Desenvolvimento das Aplicações Informáticas e Novas Tecnologias Aplicadas à Arqueologia), Leiria.

Published

1. Nora, D., Pereira, J., Monteiro, P., Paixão, E., Assis, S., Évora, M., Duarte, C., Marreiros, J., Carvalho, V., Holliday, T., Pereira, T. 2017. O abrigo da buraca da moira, leiria: resultados preliminares do projeto ecoplis II Congresso da Associação dos Arqueólogos Portugueses. Lisboa. pp. 391-401.
2. Pereira, T., Bicho, N., Cascalheira, J., Gonçalves, C., Marreiros, J., Paixão, E. 2015. Raw Material procurement in Cabeço da Amoreira, Muge, Portugal. In Bicho, N. (Ed.). Proceedings of the Muge 150th anniversary of the discovery of the Mesolithic shell middens. Cambridge Scholars Publishing, pp.147-160.
3. Umbelino, C., Gonçalves, C., Figueiredo, O., Pereira, T., Cascalheira, J., Marreiros, J., Évora, M., Cunha, E., Bicho, N. 2015. Life in the Muge shell middens: inferences from the new skeletons recovered from Cabeço da Amoreira. In Bicho, N. (Ed.). Proceedings of the Muge 150th anniversary of the discovery of the Mesolithic shell middens. Cambridge Scholars Publishing, pp.209-224.
4. Marreiros, J., Gibaja, J., Paixão, E., Pereira, T., Cascalheira, J., Bicho, N. 2015. New evidences for human settlement organization from the Mesolithic site of Cabeço da Amoreira (Muge): preliminary lithic use-wear analysis. In Bicho, N. (Ed.). Proceedings of the Muge 150th anniversary of the discovery of the Mesolithic shell middens. Cambridge Scholars Publishing, pp.135-146.
5. Cascalheira, J., Paixão, E., Marreiros, J., Pereira, T., Bicho, N. 2015. Preliminary Techno-Typological Analysis of the Lithic Materials from the Trench Area of Cabeço da Amoreira (Muge, Central Portugal). In Bicho, N. (Ed.). Proceedings of the Muge 150th anniversary of the discovery of the Mesolithic shell middens. Cambridge Scholars Publishing, pp.119-134.
6. Marreiros, J., Gibaja, J., Bicho, N. 2014. Lithic use-wear analysis from the Early Gravettian of Vale Boi (Southwestern Iberia). Marreiros, J., Gibaja, J., Bicho, N. (Eds.) Proceedings of the International conference on Use-Wear analysis, Use-Wear 2012. Cambridge Scholars Publishing, pp.35-44.
7. Pereira, T., Martins, R., Marreiros, J., Turning the wheel on lithic functionality. Marreiros, J., Gibaja, J., Bicho, N. (Eds.) Proceedings of the International conference on Use-Wear analysis, Use-Wear 2012. Cambridge Scholars Publishing, pp. 65-73.
8. Cascalheira, J., Bicho, N., Marreiros, J., Pereira, T., Évora, M., Cortés, M., Gibaja, J., Regala, F., Gonçalves, C., Monteiro, P., 2013. Vale Boi (Algarve, Portugal) and the Solutrean in Southwestern Iberia. "De punta a punta. El Solutrense en los albores del siglo XXI". Congreso Internacional "El Solutrense - Centenario de las excavaciones en La Cueva del AMbrosio" (Vélez-Blanco, Almería, España, del 25 al 28 de junio de 2012). Espacio Tiempo y Forma. Serie I, Prehistoria y Arqueología 5, 34-42.
9. Marreiros, J., Bicho, N., Gibaja, J., Cascalheira, J., Évora, M., Regala, F., Pereira, T., Manne, T., Cortés, M. In press. Nuevas evidencias sobre el Paleolítico superior inicial del Suroeste Peninsular: El Gravetiense Vicentino de Vale Boi (Sur de Portugal). In Heras, C., Lasheras, J., Arrizabalaga, A. & Rasilla, M. (coord.) Coloquio Internacional El Gravetiense Cantábrico: Estado de la cuestión. Museo de Altamira, pp. 86-103.
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#### *Book reviews*

1. Marreiros, J. 2014. Katsuhiko Sano 2012. Functional Variability in the Late Upper Palaeolithic of North-Western Europe. Bonn: Verlag Dr. Rudolf Habelt GmbH. 10.4207/PA.2014.REV146.
2. Marreiros, J. 2013. Barton, R.N.E., C.B. Stringer, and J.C. Finlayson (eds.) Neanderthals in Context: A Report of the 1995-1998 Excavations at Gorham's and Vanguard Caves, Gibraltar. Pages 81 – 84. 10.4207/PA.2013.REV137.

#### *Abstracts in international scientific conferences*

##### Oral contributions

1. Marreiros, J., Tsanova, T., Martisius, N., McPherron, S., Sirakov, N., Hublin, J-J. 2019. Functional analysis on the lithic assemblage from Layer I (the Bachokirian) at the onset of the Upper Paleolithic in Bacho Kiro cave, Bulgaria. ESHE 2019, Liege.
2. Calandra, I., Pedergnana, A., Gneisinger, W., Marreiros, J. Quantitative surface analysis: a collaborative endeavor between paleontology and archeology. ESHE 2019, Liege.
3. Schunk, L., Calandra, I., Gneisinger, W., Jöris, O., Marreiros, J. Is a knife a knife? Testing bifacial knives in controlled experiments. ESHE 2019, Liege.
4. Marreiros, J., Calandra, I., Gneisinger, W., Pedergnana, A., Schink, L., Paixao, E. Traceology 2.0: Developing experimentsl programs combining material properties, variable control and use-wear quantification. EAA 2019, Bern.
5. Lisa Schunk, Ivan Calandra, Walter Gneisinger, Olaf Jöris & João Marreiros. Functional design of the Late Middle Palaeolithic? Testing Keilmesser in controlled experiments. Obermaier 2019, Erkrath.



6. Wei Chu, João Marreiros, Adrian Doboş, Alexandru Ciornei, Jacopo Gennai, Thomas Albert, Florian Peudon & Jürgen Richter. New excavations and functional analyses of the early Upper Paleolithic assemblage from Româneşti-Dumbrăviţa, Romania. Obermaier 2019, Erkrath.
7. Ivan Calandra, Walter Gneisinger, Antonella Pedergrana, Lisa Schunk, Eduardo Paixao & João Marreiros. The TraCER laboratory: developing experimental programs combining material properties, variable control and use-wear quantification. Obermaier 2019, Erkrath.
8. Pedergrana, A., Gneisinger, W., Calandra, I., Paixao, E., Schunk, L., Marreiros, J. Cleaning stone tool surfaces prior to microscopic scanning: towards and experimentally tested protocol. EAA 2018, Barcelona.
9. Marreiros, J. 2018. Origin and evolution of projectile technology - Integrating ballistics into controlled experimental design and use wear analysis. In Noack, E. & Gaudzinski, S., Integrating Ballistics into Archaeology - UISPP 2018, Paris.
10. Raw material procurement at Abrigo do Poço Rockshelter (Central Portugal). Telmo Pereira, Eduardo Paixão, João Marreiros, David Nora, Joana Pereira. UISPP 2018, Paris.
11. Gibaja, J., Masclans, A., Marreiros, J., Ortega, D., Soler, J., Soler, N. Lithic technology, use-wear analysis and raw material sourcing from the Gravettian occupation of Arbreda Cave (Serinyà, Catalunya, Spain), and its contribution to understanding the lithic variability during the Gravettian in Iberian Peninsula. AWRANA 2018, Nice.
12. Joao Marreiros, Telmo Pereira and Rui Martins—Chert versus Quartzite Edge Reduction Using a Mechanical Device and Its Relevance to Lithic Raw Material Variability, Selection, and Use. SAA 2017, Vancouver.
13. Marreiros, J., Calanda, I., Gneisinger, W. 2017. Introducing the TraCER Lab, laboratory for traceology and controlled experiments (MONREPOS, RGZM). AGSTR 2017. An international conference on quarrying, production, function and exchange of ground stone artifacts. Johannes Gutenberg Universität, Mainz.
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15. Marreiros, J., Calanda, I., Gneisinger, W. 2017. Understanding artifact variability and function in the evolution of human behavior: Introducing the Laboratory for Traceology and Controlled Experiments (TraCER), MONREPOS, RGZ. 7th Annual ESHE meeting. Leiden, Netherlands
16. Nora, D., Pereira, J., Monteiro, P., Paixao, E., Assis, S., Evora, M., Duarte, C., Marreiros, J., Carvalho, V., Holliday, T., Pereira, T. 2017. O abrigo da buraca da moira, leiria: resultados preliminares do projeto ecoplis II Congresso da Associação dos Arqueólogos Portugueses. Lisboa
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19. Marreiros, J., Pereira, T., Martins, R. 2015. Edge Reduction Variability in Quartzite and Chert: Experimental Results Using a Mechanical Device to Control Multiple Variables. 10th International Symposium on Knappable Materials, Barcelona.
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21. Marreiros, J., Bicho, N.; Gibaja, J. 2014. Lithic technology variability and human ecological dynamics during the Gravettian in SW Iberian Peninsula. Paper presented at the UISPP 2014, Burgos, España.
22. Monteiro, P. D., Cascalheira, J., Marreiros, J., Pereira, T., Bicho, N., 2012. A Mesolithic landscape and woodland resources: wood charcoal analyses from Cabeço da Amoreira, Muge shellmiddens (Santarém, Portugal). Association of Environmental Archaeology, Spring Conference: New Trends on Environmental Archaeology. Plymouth University.
23. Marreiros, J.; Pereira, T.; Martins, R. 2014. Archaeomechanics by Geringonça. Paper presented at the UISPP 2014, Burgos, España.
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25. Marreiros, J., Paixão, E., Bicho, N., Gibaja, J. 2014. Living and hunting during the Mesolithic. Lithic functional analysis from the Cabeço da Amoreira shellmidden (Muge, Portugal). Paper presented at the symposium Cabeço da Amoreira Mesolithic shellmidden. SAA annual meeting, Austin, USA.
26. Marreiros, J., Bicho, N. 2013. Projectile technology variability as reflex of behavioral-ecological adaptations during the Gravettian of Southern Iberia. Session “Paleolithic ecodynamics” EAA meeting. Pilsen.



27. Marreiros, J., Bicho, N. 2013. Lithic technology organization and human ecological behavior from the Gravettian of southern Iberian Peninsula. Session "The many faces of the Gravettian" EAA meeting. Pilsen, Czech Republic.
28. Marreiros J., Bicho N., 2013. Gibaja J., Pereira T., Cascalheira J. Lithic technology variability and organization from the Gravettian of Vale Boi: new insights to the Early Upper Paleolithic human behavior in Southern Iberian Peninsula. World of Gravettian Hunters. Krakow, Poland.
29. Marreiros, J., Gibaja, J., Bicho, N. 2012. Lithic functionality during the Gravettian occupation of Vale Boi (Southwestern Iberia). International conference on Use-Wear analysis, Use-Wear 2012. Universidade do Algarve, Portugal.
30. Marreiros, J., Bicho, N. & Gibaja, J. 2012. No land for old people. Rethinking lithic technology from the Early Upper Paleolithic of Southwestern Iberian Peninsula. SAA 76th Anniversary Meeting. Memphis, Tennessee.
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36. Marreiros, J. 2011. Pointing new evidences for the Early Upper Paleolithic of Southwestern Iberian Peninsula. JIA 2011. University of Algarve.
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39. Marreiros, J. & Cascalheira, J. 2010. Veni, vidi, vici! Lo mejor de ambos mundos. Modelo teórico sobre la ocupación del Hombre anatómicamente moderno en el extremo suroeste de la Península Ibérica. JIA 2010. III Jornadas de Jóvenes en Investigación Arqueológica. UAB, 5-7 de Mayo de 2010.
40. Bicho, N., Pereira, N., Umbelino, C., Jesus, L., Marreiros, J., Cascalheira, J. 2010. The construction of a shell midden: the case of Cabeço da Amoreira, Muge (Portugal). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
41. Marreiros, J., Jesus, L., Cascalheira, J., Pereira, T., Gibaja, J., Bicho, N. 2010. "Shell we move?" New technological approach to Mesolithic settlement patterns at Muge (Portuguese Estremadura). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
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- Algarve Ocidental. REQUI - VII Reunião do Quaternário Ibérico, "O futuro do ambiente da Península Ibérica - as lições do passado geológico recente", Universidade do Algarve.
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  48. Marreiros, J., Cascalheira, J., Gibaja, J., Marreiros, J. 2008. Caracterización de la industria lítica gravetiense e solutriense de Vale Boi (Algarve, Portugal). IV Encuentro de Arqueología del Suroeste Peninsular. Aracena, Spain.
  49. Gibaja, J., Marreiros, J., Palomo, A., Cascalheira, J., Carvalho, A. 2008. Análisis traceológico del utillaje lítico de Zafin (Islas Chanfarinas). Configuración de un programa experimental. II Congreso Internacional de Arqueología Experimental. Ronda, Málaga, Spain.
  50. Marreiros, J., Jesus, L. 2007. Itinerário virtual do sítio arqueológico Âncoras. Congresso CAA Portugal 2007 (Associação para o Desenvolvimento das Aplicações Informáticas e Novas Tecnologias Aplicadas à Arqueologia), Leiria.
  51. Cascalheira, J., Marreiros, J., Bicho, N. 2007. As intervenções arqueológicas de 2006 e 2007 no sítio Paleolítico de Vale Boi. 5º Encontro de Arqueologia do Algarve. Silves.
  52. Fraga, T., Jesus, L., Marreiros, J. 2007. Resultados do plano de sondagens do património submerso no concelho de Lagos. Carta Arqueológica subaquática do concelho de Lagos. III Encontro de Arqueologia do Sudoeste Peninsular, Aljustrel.

#### Poster presentation

1. Luncz, L., Braun, D., Marreiros, J., Bamford, M., Carvalho, S. Hominin behavioural ecology through the use of organic tools: Primate analogies and percussive tool use. American Association of Physical Anthropologists annual meeting, Los Angeles, USA.
2. Paixao, E., Marreiros, J., Prévost, M., Dubreuil, L., Zaidner, Y. 3D quantification methods to characterize ground stone tools use: Application to the analyses of Unit V of Nesher Ramla. Association for Ground Stone Tools Research 2019 meeting.
3. Pedergrana, A., Malinsky-Buller, A., Gneisinger, W., Marreiros, J. Using standardised samples and controlled experiments to evaluate the role of rawmaterial in lithic edge durability and efficiency. EAA 2019, Bern.
4. Pedergrana, A., Calandra, I., Gneisinger, W., Marreiros, J. Towards a standardization of methods in Traceology: setting up the basis. EAA 2018, Barcelona.
5. Marreiros, J., Calandra, I., Gneisinger, W., Pedergrana, A., Schunk, L., Paixao, E. 2018. The laboratory for Traceology and Controlled Experiments (TraCer), MONREPOS-RGZM: rethinking experimental design, variable control and use-wear quantification. 13th International meeting of Use-Wear analysis. AWRANA 2018, Nice. Bulletin du Musée d'Anthropologie Préhistorique de Monaco (58), p.55.
6. Schunk, L., Jöris, O., Marreiros, J. 2018. Understanding standardisation of asymmetric tools from the Late Middle Palaeolithic: use-wear analysis to test morpho-functional interpretations. „60th Annual Meeting of the Hugo Obermaier Society for Quaternary Research and Archaeology of the Stone Age“, Tarragona, pp. 50-51.
7. Gneisinger, W., Calandra, I., Marreiros, J. 2018. Experimental design and method validation: rethinking the contribution of experimental replication in use-wear studies. (Abstract). 13th International meeting of Use-Wear analysis. AWRANA 2018, Nice. Bulletin du Musée d'Anthropologie Préhistorique de Monaco (58), p.47.
8. Paixao, E., Marreiros, J., Malinsky-Buller, A., Gneisinger, W. Ground breaking technologies in the Middle Paleolithic of the Levant: High resolution functional analyses of Ground Stone Tools. ESHE 2018, Faro.
9. Schunk, L., Jöris, O., Malagá, A., Marreiros, J. Understanding edge angle variability and morpho-functional design of Late Middle Paleolithic Keilmesser assemblages. ESHE 2018, Faro.
10. Calandra, I., Gneisinger, W., Marreiros, J. 2018. Beyond qualitative use-wear: how to move traceology toward a standardized and reproducible science? (Abstract). 13th International meeting of Use-Wear analysis. AWRANA 2018, Nice. Bulletin du Musée d'Anthropologie Préhistorique de Monaco (58), p.56
11. Paixao, E., Marreiros, J., Gibaja, J., Bicho, N. 2017. 3D modeling to help the understand of Ground stone wear-traces: Experimental program in quartzite and Greywacke. AGSTR 2017. AN international conference on quarrying, production, function and exchange of ground stone artifacts. Johannes Gutenberg Universitata, Mainz.
12. Marreiros, J., Calandra, I., Gneisinger, W. 2017. Understanding artifact variability and function in the evolution of human behavior: Introducing the Laboratory for Traceology and Controlled Experiments (TraCer), MONREPOS, RGZ. 7th Annual ESHE meeting. Leiden, Netherlands
13. Pereira, T., Pereira, J., Monteiro, P., Paixao, E., Assis, S., Evora, M., Duarte, C., Marreiros, J., Carvalho, V., Holliday, T., Nora, D. 2017. EcoPlis: Human Occupations in the Pleistocene Ecotones of River Lis (Portugal)—The 2015–2016 Result. Paleoanthropology Society.

14. Marreiros, J., Gibaja, J., Ortega, D., Soler, J., Soler, N. 2016. Exploring lithic variability during the Gravettian in Iberia: lithic technology, use-wear analysis and raw material sourcing from the Gravettian occupation of Arbreda Cave (Catalunya, Spain). ESHE annual meeting, Madrid.
15. Marreiros, J., Bicho, N., Gibaja, J. 2015. Lithic technology variability and human ecological behavior during the Early Gravettian in Southwestern Iberia. ESHE meeting, London.
16. Marreiros, J., Paixão, E., Gibaja, J., Bicho, N. 2015. Living and hunting during the Mesolithic in the Cabeço da Amoreira shellmidden (Muge, Portugal): lithic use-wear analysis. The ninth International Conference on the Mesolithic in Europe. Meso 2015, Belgrad, Serbia.
17. Marreiros, J., Gibaja, J., Bicho, N. 2015. Lithic variability during the Gravettian in Southern Iberian Peninsula: use-wear analysis from the Gravettian sequence of Vale Boi (Cape St. Vicent, Southern Portugal). AWRANA Meeting, Connecting people and technologies. Leiden.
18. Pereira, T., Martins, R., Marreiros, J. 2013. Stirring the wheel on lithic functionality. Use-Wear 2012 International conference on Use-Wear analysis. Universidade do Algarve, Portugal.
19. Marreiros, J., Gibaja, J., Bicho, N. 2013. New functional evidences for human settlement organization from the Mesolithic of Cabeço da Amoreira (Muge): lithic use-wear analysis. Muge 150th meeting. Salvaterra de Magos, Portugal.
20. Marreiros, J., Bicho, N., Gibaja, J., Pereira, T., Cascalheira, J. 2012. The Vicentine points from the Early Gravettian of Vale Boi (Portugal): technological and use-wear analysis. Paleoanthropology Society, 2012 Annual meeting. Memphis, Tennessee.
21. Bicho, N., Manne, T., Marreiros, J., Cascalheira, Pereira, T., Tata, F., Évora, M. 2012. The ecodynamics of the first modern humans in Southwestern Iberia: The case of Vale Boi, Portugal. Paleoanthropology Society, 2012 Annual meeting. Memphis, Tennessee.
22. Bicho, N., Cascalheira, J., Marreiros, J., Pereira, T. 2011. Early Upper Paleolithic ecodynamics in southern Iberia. European Society for Human Evolution Inaugural Meeting 2011. Max Plank Institute, Leipzig.
23. Cascalheira, J.; Bicho, N.; Marreiros, J. & Pereira, T. 2011. Dating the Early Upper Paleolithic of Southwestern Iberia: the case of Vale Boi. European Society for Human Evolution Inaugural Meeting 2011. Max Plank Institute, Leipzig.
24. Pereira, T., Bicho, N., Cascalheira, J., Marreiros, J., Haws, J. 2011. The impact of raw material availability in the SW Iberian Paleolithic. European Society for Human Evolution Inaugural Meeting 2011. Max Plank Institute, Leipzig.
25. Jesus, L., Marreiros, J., Cascalheira, J., Gibaja, J., Pereira, T., Bicho, N. 2010. Occupation, functionality and culture. Preliminary results from microliths technology and use-wear analysis of Cabeço da Amoreira (Muge, Portugal). The Eighth International Conference on the Mesolithic in Europe will be held in Santander from 13th to 17th September 2010, Cantabrian International Institute for Prehistoric Research.
26. Cascalheira, J., Marreiros, J., Evora, M. 2010. From Gravettian to Solutrean in Southwestern Iberia: a technological perspective. Paleoanthropology Society annual meeting, 2010. St. Louis, Missouri.
27. Bicho, N., T. Manne, J. Marreiros, J., Cascalheira, F. Tata, J. Gibaja and M. Évora. 2010. On the edge: the Upper Paleolithic from Vale Boi, Algarve, Portugal and the arrival of the first modern humans to Southwestern Iberia. Paleoanthropology Society, Annual meeting. St. Louis, Missouri, USA.

#### **10. Organization of conferences, meetings and workshops**

- 2019. Co-organizer. International Seminar on Traceology, Theory and Methods in Archaeological Research. MONREPOS, Germany.
- 2019. Co-organizer. EAA 2019 session: “Functional analyses of Hunter-gatherers lithic tool assemblages”. University of Bern, Switzerland.
- 2017. Co-organizer. SAA 2017 symposium: “Controlled experiments in lithic technology and function”. Vancouver, Canada.
- 2012. Co-organizer. Use-Wear 2012. International Conference on Use-Wear analysis. Universidade do Algarve, Portugal.
- 2011. Co-organizer. JIA 2011. Jornadas de Jovens em Investigação Arqueológica. Universidade do Algarve, Portugal.

#### **11. Fieldwork – archaeological excavation and survey**

##### *Co-director*

Excavation of the Mesolithic shellmidden of Concheiro Cabeço da Amoreira (Muge). Co-coordination with Nuno Bicho, João Cascalheira and Telmo Pereira (2009-2015). Project: "The last hunter-gatherers in the Tagus Valley - the Muge shellmiddens".

Excavation of the Paleolithic site of Vale Boi (Algarve, Portugal). Project: "História de dois mares: ecologia do Paleolítico Superior em Vale Boi". Co-coordination with Nuno Bicho, João Cascalheira and Telmo Pereira.  
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