



Part A. PERSONAL DATA	Date	12/05/2020
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Name / Surname	Marta Portillo Ramírez		
Researcher ID /Personal webpage http://www.asd-csic.es/staff/marta_portillo/	ORCID ID: 0000-0002-2703-031X		

A.1. Current Position

Institution	Department of Archeology and Anthropology Institució Milà i Fontanals de Recerca en Humanitats (IMF) Spanish National Research Council (CSIC)		
City / State	Barcelona, Spain		
Tel.	934426576 (ext. 333)	email	mportillo@imf.csic.es
Professional category	Scientific permanent staff <i>Investigadora Distinguida</i>	Start date	30/09/2019
Key-words	Late Pleistocene, Holocene, Mediterranean, Northern Africa, Near East, foraging, farming, sedentism, urbanism, environmental archaeology, archaeobotany, geoarchaeology, ethnoarchaeology, experimental archaeology, phytolith morphometrics, taphonomy.		

A.2. Education

PhD in History	University of Barcelona	2006
Degree in History	University of Barcelona	1998

A.3. Metrics and synergistic activities

Google Scholar (access 12/05/2020): Total citations: 674 (505 since 2015); Index h: 14; Index I-10: 16.

Pioneered phytolith morphometrics of grasses from the Mediterranean flora for taxonomical identifications into species level, using Prof. G. Hillman's herbarium housed at the University College London- UCL.

Developed innovative methods for tracing plant use and animal management through integrated plant and dung microfossil evidence, biomolecular markers, experimental, and high-resolution integrated micro-contextual approaches.

Developed ethnoarchaeological models in the Near East and Northern Africa through interdisciplinary innovative methods (Syria, Iraq, Turkey, and Tunisia).

Part B. Previous positions

2016-2018. Marie Curie Fellow, Dept. Archaeology, University of Reading (UK). EU Horizon 2020 (24 M).

2014-2015. Research Associate, Dept. of Geography, Prehistory and Archaeology, University of the Basque Country, UPV-EHU (ERC 7PM-IDEAS-CoG13/01) (13M)

2013. Institute of Geographical Sciences, Freie University Berlin. Topoi Excellence Cluster Fellow (1 M).

2010- 2013. Postdoctoral fellow Juan de la Cierva Subprograme, Spanish Ministry of Competitiveness and Economy, MINECO, at the University of Barcelona (36 M)

2009- 2010. Postdoctoral fellow Beatriu de Pinós, Catalan Agency for Administration of University and Research Grants, AGAUR, University of Barcelona (9M)

2007-2009. Institute of Archaeology, University College London (UK). Postdoctoral fellow Spanish Ministry of Science and Innovation, MICINN (24 M).

2005. Microscopy Laboratory, Brigham Young University (Utah, USA) (1 M). UB fellow

2002-2006. Centre d'Archéologie des Sociétés Méditerranéennes: milieux, territoires, civilisations (CNRS, Lattes-Montpellier), Research Associate (1 M / Y)

2002. Institute of Archaeology, Oxford University, and Butser Ancient Farm, Hampshire (UK). FPU fellow (MECD) (2 M).

Part C.



C.1. Publications (selection last 5 years)

Journal articles in peer-reviewed journals

- Portillo**, M., García-Suárez, A., Matthews, W. 2020. Livestock faecal indicators for animal management, penning, foddering and dung use in early agricultural built environments in the Konya Plain, Central Anatolia. *Archaeological and Anthropological Sciences*. 12: 40.
- Portillo**, M., Ball, T.B., Wallace, M., Murphy, Ch., Pérez-Díaz, S., Ruiz-Alonso, M., Aceituno, F.J., López-Sáez J.A., 2020, *Advances in Morphometrics in Archaeobotany*. *Environmental Archaeology* 25, 246-256.
- García-Suárez, A., **Portillo**, M., Matthews, W. 2020. Early animal management strategies during the Neolithic of the Konya Plain, Central Anatolia: integrating micromorphological and microfossil evidence. *Environmental Archaeology* 25, 208-226
- Portillo**, M., García-Suárez A., Klimowicz A., Barański M.Z., Matthews W. 2019. Animal penning and open area activity at Neolithic Çatalhöyük, Turkey, *Journal of Anthropological Archaeology* 56, 101106.
- Arranz-Otaegui A., López-Sáez J.A., Araus J.L.; **Portillo** M., Balbo A., Iriarte E., Gourichon L., Braemer F., Zapata L., Ibañez J.J. 2017. Landscape transformations at the dawn of agriculture in southern Syria (10.7-9.9 ka cal. BP): Assessing the impact of human activities and climate change, *Quaternary Science Reviews* 158, 145-163.
- Henry, D.O., Cordova, C., **Portillo**, M., Albert, R.M., DeWitt, R., Emery-Barbier, A. 2017. Blame it on the Goats? Desertification in the Near East during the Holocene. *The Holocene* 27, 625-637.
- Portillo**, M., Llergo, Y., Ferrer, A., Albert, R.M. 2017. The impact of cereal-processing in phytoliths and pollen using an experimental approach, *Vegetation History and Archaeobotany* 26, 59-74.
- Portillo**, M., Belarte M.C., Ramon J., Kallala, N., Sanmartí J., Albert, R.M. 2017. An ethnoarchaeological study of livestock dung fuels from cooking installations in northern Tunisia, *Quaternary International* 431, 131-144.
- Meister, J., Krause, J., Müller-Neuhof, B.; **Portillo**, M.; Reimann, T., Schütt, B. 2017. Reconstructing agricultural activities at the Early Bronze Age settlement of Jawa, northern Jordan: A multi-proxy approach to integrating archaeological and paleoenvironmental records, *Quaternary International* 434, 33-50.
- Ball, T.B., Davis, A., Evett, R.R., Ladwig, J.L., Tromp, M., Out, W., **Portillo**, M. 2016. Morphometric Analysis of Phytoliths: Recommendations towards Standardization, *Journal of Archaeological Science* 68, 106-111.
- Kadowaki, S., Maher, L., **Portillo**, M., Albert, R.M., Akashi, Ch., Guliyev, F., Nishiaki, Y. 2015. Geoarchaeological and paleobotanical evidence for prehistoric cereal storage in the southern Caucasus: the Neolithic settlement of Göytepe (mid 8th millennium BP), *Journal of Archaeological Science* 53, 408-425.

Editorial positions

Guest editor for *Environmental Archeology* special issue 25 (2): 2020. Integrated Microscopy Approaches in Archaeobotany. doi.org/10.1080/14614103.2019.1593654

Research monographs and volumes

- García-Suárez, A., Matthews, W., **Portillo**, M., in press. Micromorphology: Exploring Micro-contextual Traces of Settled Life at Çatalhöyük. In: Hodder I (ed), *The environment and economy of Çatalhöyük East Mound based on the excavations 2009-2017*, Çatalhöyük Research Project Volume 16.
- Carrión Y., Morales J., **Portillo** M., Pérez-Jordà G., Peña-Chocarro L., Zapata L., 2018. The Use of Wild Plants in the Palaeolithic and Neolithic of Northwestern Africa: Preliminary Results from the PALEOPLANT Project. In: Mercury, A.M., D'Andrea, A.C., Forinçari, R., Höhn, A. (Eds.) *Plants and People in the African Past*. Progress in the African Archaeobotany. Springer, 146-174.
- Iriarte-Chiapusso M.J., Aranburu-Mendizabal A., Ayerdi M., Echazarreta-Gallego A., Hernández-Beloqui B., Medina-Alcaide M.A., Moreno-Larrazabal A., **Portillo** M. 2017. La ausencia de evidencias no es evidencia de ausencias: la transcendencia de la materia vegetal en las sociedades prehistóricas. In: J. Fernández Eraso, J.A. Mujika Alustiza, A. Arrizabalaga Valbuena, M. García Díez (Eds.). *Miscelánea en homenaje a Lydia Zapata Peña*. Servicio Editorial de la Universidad del País Vasco, Bilbao, 153-178.



Portillo, M., Albert, R.M., 2016. Les activitats domèstiques de la període numide a través de l'èstude des microrestes végétaux et fécaux : phytolithes et sphérolithes. In: Kallala, N., Sanmartí, J. (Dir.), Belarte, M.C. (Ed.), Althiburos II. L'aire du capítol et la nécropole méridionale : études. Institut Català d'Arqueologia Clàssica- ICAC, Documenta 28, Tarragona, 517-527.

C.2. Participation in selected projects (last 5 years)

- 2018-2019. La microarqueologia dels fems a través de l'arqueologia experimental. Consell Insular de Menorca (CIME 4.936 €), IP: Dr. M. Portillo (University of Reading).
- 2016-2018. Human-animal interactions in early sedentary and urban societies in the Near East and northern Africa: microarchaeology of livestock dung MICROARCHAEOLOGY, European Commission (H2020-MSCA-IF-2015- 702529, 183.454,80 €), IP: Dr. M. Portillo (University of Reading).
- 2017-2020. Diffusion of Neolithic in the Central Western Mediterranean: agriculture, technological innovations and 14C, MINECO (HAR2016-75201-P, 37.000 €). IP: Dr. J.F. Gibaja Bao (IMF-CSIC)
- 2017-2019. Computer Simulation of Historical Phenomena of Social and Technological change during the Neolithic, MINECO (HAR2016-76534-C2-2-R, 24.000 €), I.P: Prof. J.A. Barceló, Dr. R. Piqué (UAB), subproject coord: Dr. X. Terradas (IMF-CSIC).
- 2017-2019. The origins of the Neolithic in the Near East: environmental, economic, social and change, MINECO (HAR2016-74999-P, 62.000 €), IP: Dr. J.J. Ibáñez (IMF-CSIC).
- 2016-2020. Prehistoric Investigations in the Jebel Qalkha area, southern Jordan (IP Dr. Seiji Kadowaki, University Museum, Nagoya University), in the framework of the 'Archaeological Research of the Learning Behaviors of the Neanderthals and Early Modern Humans' project. Ministry of Education, Culture, Sports, Science and Technology Japan. IP: Prof. Y. Nishiaki (The University Museum, University of Tokyo)
- 2014-2015. Palaeolithic Plant Use in the Western Mediterranean, PALEOPLANT. ERC (7PM – IDEAS-CoG13/01, 1.9M€), IP: Dr. L. Zapata (UPV-EHU).
- 2014-2016. Impacto paleoambiental en la evolución humana y uso de los recursos disponibles a partir del estudio de microrestos de origen biológico (miembro equipo), MINECO (HAR2013-42054-P, 55.000 €), IP: Prof. R.M. Albert (ICREA/ UB).
- 2013-2015. Urbanización y desarrollo urbano en los márgenes del territorio de Cartago. La ciudad nómido-romana de Althiburos (miembro equipo). MINECO (HAR2012-39189-C02-02, 35.000 €), IP: Prof. M.C. Belarte (ICREA/ ICAC).

C. 3. Organizer/ scientific committee of conferences and workshops (last 5 years)

- 2017- 2020. Integrated Microscopy Approaches in Archaeobotany IMAA 2017, 2018, 2019 and 2020 Workshops, University of Reading, co-organizer and chair.
2017. 82nd Society for American Archaeology Annual Meeting (SAA), Symposium: 'Of Dung and Humans: The Archaeology of Livestock Dung', Vancouver, Canada. Session co-organizer and co-chair.
2017. III Iberian Symposium on Geometric Morphometrics. University of Girona, Facultat de Medicina. Girona, Spain, 2017. Scientific Committee.
2015. 80th Society for American Archaeology Annual Meeting (SAA), San Francisco, USA, Symposium: 'The study of biological microremains as a tool for reconstructing paleoenvironment in human transition periods'. Session co-organizer and co-chair.

C.4. Supervision and thesis/master academic committees

2018. G. Allistone, Livestock dung and fuel use in early Neolithic Bestansur, Iraq. Undergraduate Research Opportunities Programme- UROP fellow under my supervision and dissertation co-director with W. Matthews, University of Reading. Awarded by the Department and the external examiners as 'The best dissertation prize' award in Archaeology for 2018, and nominated by the University of Reading to run for two external prizes, the 2018 *Royal Archaeological Institute dissertation prize* and the *Association of Environmental Archaeology John Evans Prize*.
2018. K. Dudgeon, Archival approaches to environment and lifeways: origins of sedentary agriculture in the Epipalaeolithic-Neolithic, Abu Hureyra, Syria, 11,000-7100 BC.



- Dissertation co-director with W. Matthews, Archaeology Master degree, Department of Archaeology, University of Reading
2017. L.L. Herraiz Batzin, Estudio funcional de la industria macrolítica de La Draga a través del análisis de fitolitos (Banyoles, Girona). Co-director with X. Terradas. Archaeology master dissertation awarded *Excellent*, University of the Basque Country.
2017. Archaeology PhD committee, University of the Basque Country, A. Jindriska Pérez Fernández (supervisor: A. Alday), Board substitute member.
2016. Rapporteur Master, Université de Nice Sophia Antipolis, S. Alkalesh, (supervisor: P.C. Anderson).
- 2015 and 2020. Archaeology PhD committee, Autonomous University of Barcelona, M. Bofill (supervisors: M. Molist and H. Procopiou, 2015), and David Rodríguez Antón (supervisors: R.M. Albert and E. Gassiot, 2020), examination and board member.
2013. Archaeology master committee, University of Barcelona, F.J. Cantero (supervisors: N. Alonso and R. Piqué), examination and board secretary member.

C.5. Teaching

- 2016/17, 2017/18. Lecturer. Module on Experimental Archaeology and Heritage Outreach at the University of Reading. Dept. of Archaeology, University of Reading. 2h lecture/course and Experimental Activities in Harris Gardens, 24h/course.
- 2015/16, 2016/17, 2017/18, 2018/2019. Lecturer. Master in 'Quaternary– Environmental Change and Human Ecological Footprint' (Bioarchaeology), Dept. of Geography, Prehistory and Archaeology of the University of the Basque Country. 9h/ course.
- 2012-2013. Lecturer. Archaeology Grade (Prehistoric and Protohistoric Archaeology) and Master Courses Archaeology (Bioarchaeology), Dept. of Prehistory, Ancient History and Archaeology of the University of Barcelona.
- 2009/10, 2010/11 and 2011/12. Assistant Lecturer. Archaeology and History Grade (Hunter and Gathering Societies I), Dept. of Prehistory, Ancient History and Archaeology of the University of Barcelona, 10 h as Postdoctoral fellow.

C.6. Awards and honors

2018. Credit Research Quality Program I3- *Programa de Incentivación de la Incorporación e Intensificación de la Actividad Investigadora (Programa I3)*, Spanish Ministry MINECO
2010. Credit as a tenured Assistant Professor from the Catalan University Quality Assurance Agency (AQU) of the Catalan Government, Spain.
2007. Award for Thesis Dissertations published in Catalan (TDCAT, Catalan Agency for Administration of University and Research Grants, AGAUR).
2006. Mention of European Doctor awarded by the University of Barcelona.

C.7. Reviewer Grant Agencies

2020. French National Research Agency (ANR) Panel CE03- Interactions Humans-Environment.
2018. National Science Foundation (NSF), Faculty Early Career Development (CAREER) Program.

C.8. Memberships of scientific societies

- 2015-to date. Elected Board of Directors of the International Phytolith Society (IPS)
- 2017-to date. EAA Community for the Archaeology of Wild Plants Board, European Association of Archeologists (EAA)
- 2017-to date. Association for Environmental Archaeology (AEA)
- 2017-to date. Marie Curie Alumni Association
- 2011-to date. Founder member of the International Committee for Phytolith Morphometrics (ICPM), International Phytolith Society (IPS)
- 2007-to date. Member of the Society for American Archaeology (SAA).
- 2007-to date. Founder member of the Associació Catalana de Bioarqueologia (ACBA). Elected Secretary (2010-2014).