

Monica Alonso Eguiluz
postdoctoral researcher
Archaeology, Environmental changes & Geo-Chemistry
History, Archeology, Arts, Philosophy and Ethics
Postal address:
Pleinlaan 2
1050
Brussels
Belgium
Email: Monica.Alonso.Eguiluz@vub.be
Web address: <https://amgc.research.vub.be/dr-monica-alonso-eguiluz>

Qualifications

PhD, Cum Laude, University of the Basque Country
Award Date: 23 Feb 2021

Employment

Archaeology, Environmental changes & Geo-Chemistry

Vrije Universiteit Brussel
Brussels, Belgium
1 Jan 2023 → present

postdoctoral researcher

History, Archeology, Arts, Philosophy and Ethics
Vrije Universiteit Brussel
Brussels, Belgium
1 Jul 2022 → 30 Jun 2025

postdoctoral position

University of Barcelona
Barcelona, Spain
1 Jan 2020 → 1 Jan 2022

Research outputs

The Early Upper Paleolithic deposit of Mughr el-Hamamah (Jordan): Archaeobotanical taphonomy and site formation processes

Alonso Eguiluz, M., Toffolo, M., White, C., Asouti, E., Boaretto, E., Nilsson Stutz, L., Stutz, A. J. & Albert, R. M., May 2024, In: Journal of Archaeological Science: Reports. 55, 14 p., 104471.

Zwarte lagen in het historische centrum van Antwerpen: de eerste resultaten van het micromorfologisch onderzoek op de DIVA-site (Ant.)

Lo Russo, S., Alonso Eguiluz, M., Devos, Y., Celis, D. & Nys, K., Mar 2024, In: Archaeologia Mediaevalis. 47, p. 91-93

New insights into shepherds' activities: Multi-proxy approach applied to fumier deposits from the north of Iberian Peninsula

Alonso Eguiluz, M., Albert, R. M., Vergès, J. M. & Fernández-Eraso, J., 20 Feb 2024, In: Quaternary International. p. 145-161 17 p.

Shepherds and animal husbandry, origins, and development: New theoretical and methodological approaches

Alonso Eguiluz, M. (Guest ed.), Albert, R. M. (Guest ed.) & Vergès, J. M. (Guest ed.), 20 Feb 2024, In: Quaternary International. 683-684, June, p. 1-3 3 p.

Editorial. Shepherds and animal husbandry, origins, and development: New theoretical and methodological approaches

Alonso Eguiluz, M., Albert, R. M., Vergès, J. M. & Kadowaki, S., 2024, In: Quaternary International. 683-684, February, p. 1-3

Under What Conditions do the Inflorescence Bract Phytoliths of Oat [*Avena sativa* (L.)] Become Autofluorescent?

Vrydaghs, L., Hodson, M. J., Van Ham-Meert, A., Alonso Eguiluz, M. & Devos, Y., 2024, (Accepted/In press) In: *Environmental Archaeology*. 16 p.

Early to Middle Bronze Age agricultural terraces in north-east England: morphology, dating and cultural implications

Brown, A. G., Fallu, D., Cucchiario, S., Alonso Eguiluz, M., Albert, R. M., Walsh, K., Pears, B. R., Scaife, R., Langdon, C., Tarolli, P., Cockroft, D., Snape, L., Lang, A., Ascough, P., Zhaio, P., Van Oost, K. & Waddington, C., 11 Apr 2023, In: *Antiquity*. 97, 392, p. 348-366 19 p.

Different methods, Different views: a phytolith case study from Cártama, Málaga, Spain

Banerjea, R., Vrydaghs, L., Alonso Eguiluz, M., Devos, Y., Schenkel, A., Melero-Garcia, F., Garcia-Contreras Ruiz, G. & Pluskowski, A., Apr 2023, (Unpublished).

First insights into the phytolith analysis of soil thin sections from the tropics. The case of Kuk, Papua New Guinea

Vrydaghs, L., Devos, Y., Alonso Eguiluz, M. & Denham, T., Apr 2023, (Unpublished).

Turn on the lights! Illuminating plant material using different light sources. Examples from the DIVA-site (Antwerp, Belgium)

Lo Russo, S., Alonso Eguiluz, M., Pümpin, C., Vrydaghs, L., Devos, Y., Celis, D. & Nys, K., Apr 2023, (Unpublished).

Turn on the lights

Alonso Eguiluz, M., Lo Russo, S., Pümpin, C., Vrydaghs, L., Devos, Y. & Nys, K., 24 Mar 2023.

50 shades of dark: micromorphological and phytolith studies of the DIVA-site in the historical centre of Antwerp (Belgium)

Lo Russo, S., Alonso Eguiluz, M., Devos, Y. & Nys, K., 24 Mar 2023, (Unpublished).

Agricultural terraces in UK, new insights from biogenic microremains.

Alonso Eguiluz, M. & Albert, R. M., 2023, (Unpublished).

Palaeoecological methods for understanding agricultural terraces in Europe: from pollen to sedaDNA

Brown, A. G., Fallu, D., Alonso Eguiluz, M., Albert, R. M., Tsartsidou, G., Scaife, R., Pears, B. R., Høeg, H., Talon, B., Lang, A., Walsh, K., Cuchiaro, S., Tarolli, P. & Alsos, I., 2023, (Unpublished).

50 shades of dark

Lo Russo, S., Alonso Eguiluz, M., Devos, Y. & Nys, K., 2022, (Unpublished).

Gestión del medio vegetal y dieta animal en depósitos neolíticos de fumier en la sierra de Cantabria (San Cristóbal y Los Husos II) y la sierra de Atapuerca (El Mirador). Análisis microarqueológico de fitolitos, pseudomorfos de calcita, esferolitos y FTIR

Alonso Eguiluz, M., 2021, (Unpublished)

Procesos postdeposicionales y actividades antrópicas en la cueva de Arenaza I (Galdames, Vizcaya). A

Microarchaeological approach: Postdepositional processes and human activities in Arenaza I cave (Galdames, Vizcaya). A Microarchaeological approach

Alonso Eguiluz, M. & Albert, R. M., 2021, *La Cueva de Arenaza (San Pedro Galdames, Bizkaia). Resultados de la intervención arqueológica de 2017/2018*. Fernández-Eraso, J. (ed.). Bizkaia, Vol. 9. p. 87-98

Deciphering Neolithic activities from a Cardial burial site (Cova Bonica) on the western Mediterranean coast

Daura, J., Sanz, M., Oms, F. X., Pedro, M., Martínez, P., Mendiola, S., Oliva Poveda, M., Gibaja, J. F., Mozota, M., Alonso Eguiluz, M., Albert, R. M., Allué, E., Bañuls-Cardona, S., Lopez-Garcia, J. M., Santos Arévalo, F. J. & Fullola, J. M., 2019, In: *Journal of Archaeological Science: Reports*. p. 324-347

Rediles y pastores en la Prehistoria Reciente de Rioja Alavesa

Fernández-Eraso, J., Perez, S., Ruiz Alonso, M., Alonso Eguiluz, M., García Rojas, M., Sánchez, A., Tarriño, A., Camarero, C., García-Martínez de Lagrán, I., Arévalo, E. & Polo-Díaz, A., 2017, *Miscelánea en homenaje a Lydia Zapata Peña (1965-2015)*. Universidad del País Vasco = Euskal Herriko Unibertsitatea, p. 397-426 30 p.

The first herders in the upper Ebro basin at Los Husos II (Álava, Spain): microarchaeology applied to fumier deposits

Alonso Eguiluz, M., Fernández-Eraso, J. & Albert, R. M., 2017, In: *Vegetation History and Archaeobotany*. 26, 1, p. 143-157 15 p.

Management of residues and natural resources at San Cristóbal rock-shelter: Contribution to the characterisation of chalcolithic agropastoral groups in the Iberian Peninsula

Polo-Díaz, A., Alonso Eguiluz, M., Ruiz Alonso, M., Perez, S., Mujika, J. A., Albert, R. M. & Fernández-Eraso, J., 2016, In: *Quaternary International*. p. 202-225

Los molinos de El Cerco de Bolunburu (Zalla, Bizkaia). Una primera aproximación.

Cepeda Ocampo, J. J., Moreno-Larrazabal, A. & Alonso Eguiluz, M., 2014, In: *Revista d'Arqueologia de Ponent*. 24, p. 323-330 8 p.

Estudio de los fitolitos en conjuntos de la Prehistoria reciente en la Sierra de Cantabria. El caso de los niveles de redil de San Cristóbal (Laguardia, Álava)

Alonso Eguiluz, M., 2012, In: *CKQ Estudios de Cuaternario / Kuaternario Ikasketak / Quaternary Studies*. 2, p. 1-14 14 p., 1.

Activities

Fitolitos, o el valor de lo que no se ve a simple vista

Monica Alonso Eguiluz (Speaker)

7 Oct 2024

Aroa García Suárez

Yannick Devos (Host) & Monica Alonso Eguiluz (Host)

24 Jun 2024 → 28 Jun 2024

Searching for Brussels late medieval gardens: geoarchaeological research in the ancient wetlands of the Senne valley (Belgium)

Yannick Devos (Speaker), Christine Pümpin (Contributor), David Brönnimann (Contributor), Luc Vrydaghs (Contributor), Monica Alonso Eguiluz (Contributor) & Kristin Ismail-Meyer (Contributor)

21 May 2024

International Workshop on Archaeological Soil Micromorphology and Phytoliths

Yannick Devos (Organiser), Luc Vrydaghs (Organiser), Monica Alonso Eguiluz (Organiser), Meihui Li (Organiser), Axel Cerón González (Organiser), Sarah Lo Russo (Organiser), David Brönnimann (Organiser), Simon Kübler (Organiser), Christine Pümpin (Organiser) & Kristin Ismail-Meyer (Organiser)

6 May 2024 → 8 May 2024

International Workshop on Archaeological Soil Micromorphology and Phytoliths

Yannick Devos (Organiser), Luc Vrydaghs (Organiser), Monica Alonso Eguiluz (Organiser), Meihui Li (Organiser), Axel Cerón González (Organiser), Sarah Lo Russo (Organiser), David Brönnimann (Organiser), Simon Kübler (Organiser), Christine Pümpin (Organiser) & Kristin Ismail-Meyer (Organiser)

6 May 2024 → 8 May 2024

High-Resolution Microarchaeological Techniques for Understanding Depositional and Postdepositional Processes in Mugrel Hamamah Cave (Jordan)

Monica Alonso Eguiluz (Speaker), Rosa Maria Albert (Speaker), Michael Toffolo (Speaker), Liv Nilsson Stutz (Speaker) & Aaron J. Stutz (Speaker)

18 Apr 2024

Integrating two different techniques to the phytolith analysis. The case study of DIVA (Antwerp, Belgium)

Monica Alonso Eguiluz (Invited speaker)

28 Feb 2024

The diatoms from Rue du Boiteux

Monica Alonso Eguiluz (Speaker)

27 Feb 2024

Third Workshop 'Welcome to the Dark Side'

Yannick Devos (Organiser) & Monica Alonso Eguiluz (Organiser)

21 Nov 2023 → 22 Nov 2023

Work is in progress on the phytolith analyses for the WAVE project.

Monica Alonso Eguiluz (Speaker)

21 Nov 2023

Integrating two different techniques to the phytolith analysis, the case study of DIVA (Antwerp, Belgium)

Luc Vrydaghs (Speaker), Monica Alonso Eguiluz (Contributor), Sarah Lo Russo (Contributor), Yannick Devos (Contributor), Daan Celis (Contributor) & Karin Nys (Contributor)

4 Sep 2023

Dismantling urban Dark Earths. The combination of micromorphology and phytoliths analyses to understand past activities in the early medieval layers of DIVA (Antwerp, Belgium).

Monica Alonso Eguiluz (Speaker), Sarah Lo Russo (Contributor), Yannick Devos (Contributor), Luc Vrydaghs (Contributor), Daan Celis (Contributor) & Karin Nys (Contributor)

18 Jul 2023

Martin J. Hodson

Yannick Devos (Host), Luc Vrydaghs (Host) & Monica Alonso Eguiluz (Host)

20 Jun 2023 → 23 Jun 2023

Fumier deposits in medieval Cártama (Spain)?

Rowena Banerjea (Speaker), Monica Alonso Eguiluz (Contributor), Luc Vrydaghs (Contributor), Yannick Devos (Contributor), Arnaud Schenkel (Contributor), V. Meurice (Contributor), F. Melero-Garcia (Contributor), Lionello F. Morandi (Contributor), Jérôme Ros (Contributor), G. Garcia-Contreras Ruiz (Contributor) & Alex Pluskowski (Contributor)

1 Apr 2023

Up-dating floor deposits: An interdisciplinary study of floor deposits in the medieval site of DIVA (Antwerp, Belgium)

Sarah Lo Russo (Speaker), Monica Alonso Eguiluz (Contributor), Yannick Devos (Contributor), Luc Vrydaghs (Contributor), Kristin Ismail-Meyer (Contributor), Arnaud Schenkel (Contributor), V. Meurice (Contributor), Daan Celis (Contributor) & Karin Nys (Contributor)

1 Apr 2023

Vera Aldeias

Yannick Devos (Host), Luc Vrydaghs (Host) & Monica Alonso Eguiluz (Host)

6 Mar 2023 → 8 Mar 2023

Rowena Banerjea

Yannick Devos (Host), Luc Vrydaghs (Host) & Monica Alonso Eguiluz (Host)

23 Jan 2023 → 25 Jan 2023

Microarchaeology as a tool to examine the use of ancient agricultural systems

Rosa Maria Albert (Speaker) & Monica Alonso Eguiluz (Contributor)

2023

Microarqueología. El valor de lo que no se ve a simple vista

Monica Alonso Eguiluz (Lecturer)
2023

Phytoliths. An introduction

Monica Alonso Eguiluz (Speaker)
2023

Searching for crops. Applications of high-resolution microarchaeological techniques to European agricultural terraces

Monica Alonso Eguiluz (Speaker) & Rosa Maria Albert (Contributor)
2023

29th European Association of Archaeologists (EAA) Annual Meeting

Monica Alonso Eguiluz (Chair), Sarah Lo Russo (Chair) & Karen Milek (Chair)
2023

29th European Association of Archaeologists (EAA) Annual Meeting

Rosa Maria Albert (Chair), Daniel Fallu (Chair), Kevin Walsh (Chair), Monica Alonso Eguiluz (Chair) & Antony G. Brown (Chair)
2023

A microarchaeological approach to the Early Upper Paleolithic site of Mughr el-Hamamah (Jordan)

Monica Alonso Eguiluz (Speaker), Michael Toffolo (Contributor), Rosa Maria Albert (Contributor), Elisabetta Boaretto (Contributor), Chantel White (Contributor), Eleni Asouti (Contributor), Liv Nilsson Stutz (Contributor) & Aaron J. Stutz (Contributor)
2022

Challenges for fostering equality and intersectionality at the University of Barcelona: The case of the Institute of Archaeology (IAUB)

Ana Pastor Perez (Speaker), Cati Mas Florit (Contributor), Alessandra Pecci (Contributor), Paula Plaza Conesa (Contributor), Paloma Zarzuela Gutierrez (Contributor), Octavio Torres Gomariz (Contributor) & Monica Alonso Eguiluz (Contributor)
2022

El estudio de microrrestos en Arqueología. El valor de lo que no se ve a simple vista

Monica Alonso Eguiluz (Lecturer)
2022

Microscopic, luminescence, and geochemical methods for Unraveling land-use history of agricultural terraces: case studies from Sicily and Veneto, Italy

Daniel Fallu (Speaker), Monica Alonso Eguiluz (Contributor), Rosa Maria Albert (Speaker), Sara Cucchiario (Contributor), Paolo Tarolli (Contributor), Andreas Lang (Contributor) & Antony G. Brown (Contributor)
2022

Northern European Agricultural Terraces: A multi-proxy approach to Bjørnsmann (Norway) to understand its uses by applying geochemistry, phytoliths, and pollen.

Monica Alonso Eguiluz (Speaker), Daniel Fallu (Contributor), Inger Alsos (Contributor), H. Hoeg (Contributor) & Antony G. Brown (Contributor)
2022

Phytoliths. An introduction

Monica Alonso Eguiluz (Lecturer)
2022

Archaeobotanical taphonomy and interpretation of site formation processes. Seed, charcoal and phytolith remains from Mughr el-Hamamah (Jordan)

Monica Alonso Eguiluz (Speaker), Rosa Maria Albert (Contributor), Chantel White (Contributor), Eleni Asouti (Contributor), Elisabetta Boaretto (Contributor), Liv Nilsson Stutz (Contributor) & Aaron J. Stutz (Contributor)

2021

Microarqueología. El valor de lo que no se ve a simple vista

Monica Alonso Eguiluz (Lecturer)

2021

New insights into agricultural terrace systems. The use of biological micro-remains for terrace use

Monica Alonso Eguiluz (Speaker), Rosa Maria Albert (Contributor) & Antony G. Brown (Contributor)

2021

The use of Microarchaeology as a tool to recognize husbandry practices during the Neolithic in the north of the Iberian Peninsula. Communication

Monica Alonso Eguiluz (Speaker), Rosa Maria Albert (Speaker) & Javier Fernández-Eraso (Speaker)

2018

Microarchaeology at the Early Upper Paleolithic site of Mughr el Hamamah (Jordan). Results from phytoliths, spherulites, ash pseudomorphs and FTIR analysis

Rosa Maria Albert (Speaker), Monica Alonso Eguiluz (Speaker), Chantel White (Speaker), Liv Nilsson Stutz (Speaker) & Aaron J. Stutz (Speaker)

2017

La explotación de recursos vegetales durante el Paleolítico Superior levantino: Microarqueología aplicada al yacimiento de Mughr El-Hamamah (Jordania)

Monica Alonso Eguiluz (Speaker) & Rosa Maria Albert (Speaker)

2017

Depositional Context of the Early Upper Paleolithic Occupation (45–39 ka) at Mughr el-Hamamah, Jordan: Implications for Tracing Behavioral Change across the Middle-Upper Paleolithic Transition Communication

Aaron J. Stutz (Speaker), Rosa Maria Albert (Speaker), Monica Alonso Eguiluz (Contributor), Trina Arpin (Contributor), Eleni Asouti (Contributor), John J. Shea (Speaker) & Liv Nilsson Stutz (Contributor)

2016

Estudio arqueobotánico en depósitos de redil. Análisis de microrrestos y macrorrestos vegetales del yacimiento de San Cristóbal (Laguardia, Álava).

Monica Alonso Eguiluz (Speaker), Monica Ruiz Alonso (Contributor), Sebastian Perez (Contributor) & Javier Fernández-Eraso (Contributor)

2016

Microarchaeology applied to fumier deposits: the use of phytoliths, spherulites and ash pseudomorphs as a tool for reconstruct livestock practices.

Monica Alonso Eguiluz (Speaker), Javier Fernández-Eraso (Contributor) & Rosa Maria Albert (Contributor)

2016

Microarchaeology applied to fumier deposits: the use of phytoliths, spherulites and ash pseudomorphs as a tool for reconstruct livestock practices.

Monica Alonso Eguiluz (Speaker), Javier Fernández-Eraso (Speaker) & Rosa Maria Albert (Speaker)

2015

Análisis de fitolitos, esferolitos y pseudomorfos de calcita aplicados a corrales prehistóricos. El caso de Los Husos II (Laguardia, Álava)

Monica Alonso Eguiluz (Speaker), Rosa Maria Albert (Contributor) & Javier Fernández-Eraso (Contributor)

2014

Integrating microstratigraphical and palaeobotanical analyses for the study of prehistoric pen deposits: the case of San Cristóbal (Northern Iberia)

Ana Polo-Díaz (Presenter), Monica Alonso Eguiluz (Contributor), Monica Ruiz Alonso (Contributor), Sebastian Perez (Contributor), Rosa Maria Albert (Contributor) & Javier Fernández-Eraso (Contributor)

2014

Caracterización de las actividades económicas de las comunidades productoras del alto valle del Ebro mediante el estudio de fitolitos. El caso de San Cristóbal (Laguardia, Álava).

Monica Alonso Eguiluz (Speaker)

2013

El procesado vegetal en el castro de la Segunda Edad del Hierro de Bolumburu (Vizcaya). Aportaciones desde el estudio de fitolitos

Monica Alonso Eguiluz (Speaker), Marta Portillo (Contributor), Aitor Moreno-Larrazabal (Contributor), Lydia Zapata (Contributor) & Rosa Maria Albert (Contributor)

2013