



SAPIENZA
UNIVERSITÀ DI ROMA

The European Joint Doctorate in Archaeological and Cultural Heritage MATerials Science (ED-ARCHMAT) is an EU funded Marie Skłodowska Curie Action of Innovative Training Network (MSCA-ITN) under the HORIZON 2020 Program. We are recruiting now elementary stage researchers (ESR) for 13 PhD positions, focusing on Cultural Heritage Materials Science. Feel free to share among your colleagues and students. **Deadline: July 15.**

web page: [<http://www.ed-archmat-ejd.eu/>](http://www.ed-archmat-ejd.eu/)

Facebook: [<https://www.facebook.com/edarchmat/>](https://www.facebook.com/edarchmat/)

Details about our program at Sapienza University (Project 4: **Food and balms: combined botanical and chemical studies from funerary contexts**) are here: [<http://www.ed-archmat-ejd.eu/index.php/projectESR4.html>](http://www.ed-archmat-ejd.eu/index.php/projectESR4.html)

Project 1 - **Innovative Conservation Techniques for Bio-deteriorated and Soiled Ornamental stone in Urban Areas: Laser versus Plasma Vapour Cleaning**; Based at University of Évora (UEVORA, Portugal), in collaboration with Polytechnic of Turin (POLITO, Italy). <http://www.ed-archmat-ejd.eu/index.php/projectESR1.html> .

Project 2 - **Biotechnological approach for the identification of protein-based materials in Cultural Heritage artefacts**; Based at University of Évora (UEVORA, Portugal), in collaboration with Université d'Avignon et des Pays de Vaucluse (UAPV, France). <http://www.ed-archmat-ejd.eu/index.php/projectESR2.html> .

Project 3 - **Scanner XRF for 2D elemental mapping imaging for Cultural Heritage**; Based at University of Rome La Sapienza (UNIROMA1, Italy), in collaboration with Ben Gurion University of the Negev (BGU, Israel). <http://www.ed-archmat-ejd.eu/index.php/projectESR3.html> .

Project 4 - **Food and balms: combined botanical and chemical studies from funerary contexts**; Based at University of Rome La Sapienza (UNIROMA1, Italy), in collaboration with University of Évora (UEVORA, Portugal) <http://www.ed-archmat-ejd.eu/index.php/projectESR4.html> .

Project 5 - **The Emergence of Copper Pyrotechnology in Western Asia**; Based at Ben Gurion University of the Negev (BGU, Israel), in collaboration with University of Rome La Sapienza (UNIROMA1). <http://www.ed-archmat-ejd.eu/index.php/projectESR5.html> .

Project 6 - **Technology and Provenance of Inscribed and Stamped Documents on Clay**. Based at Ben Gurion University of the Negev (BGU, Israel), in collaboration with University of Évora (UEVORA, Portugal). <http://www.ed-archmat-ejd.eu/index.php/projectESR6.html> .

Project 7 - **Innovative techniques for the assessment of the degradation state of metallic artifacts.** Based at Polytechnic of Turin (POLITO, Italy), in collaboration with University of Évora (UEVORA, Portugal). <http://www.ed-archmat-ejd.eu/index.php/projectESR7.html> .

Project 8 - **Laser Based intervention in Archaeological Materials and Museum Artifacts.** Based at Consejo Superior de Investigaciones Científicas – Instituto de Ciencias de Materiales de Aragon (CSIC-ICMA, Spain), in collaboration with University of Burgos (UBU, Spain). <http://www.ed-archmat-ejd.eu/index.php/projectESR8.html> .

Project 9 - **Organic residue analysis in archaeological amphorae.** Based at Université d'Avignon et des Pays de Vaucluse (UAPV, France), in collaboration with University of Rome La Sapienza (UNIROMA1, Italy). <http://www.ed-archmat-ejd.eu/index.php/projectESR9.html> .

Project 10 - **Organic residue analysis in archaeological amphorae.** Based at Université d'Avignon et des Pays de Vaucluse (UAPV, France), in collaboration with Ben Gurion University of the Negev (BGU, Israel). <http://www.ed-archmat-ejd.eu/index.php/projectESR10.html> .

Project 11 - **Laser Based intervention on Historical Glass.** Based at University of Burgos (UBU, Spain), in collaboration with University of Bordeaux Montaigne (UBM, France). <http://www.ed-archmat-ejd.eu/index.php/projectESR11.html> .

Project 12 - **Taphonomy of ornated wall in prehistoric caves; a Multianalytical approach to study hypogean artworks biodegradation.** Based at University of Bordeaux Montaigne (UBM, France), in collaboration with University of Évora (UEVORA, Portugal). <http://www.ed-archmat-ejd.eu/index.php/projectESR12.html> .

Project 13 - **Automated Reconstruction of Fragmented Archaeological Finds Bearing an Arbitrary Shape.** Based at Institute of Communication and Computer Systems (ICSS, Greece), in collaboration with University of Bordeaux.Montaigne (UBM, France). <http://www.ed-archmat-ejd.eu/index.php/projectESR13.html> .

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**DIPARTIMENTO DI BIOLOGIA AMBIENTALE
Botanica**

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