CURRICULUM VITAE

FORMATO EUROPEO/EUROPEAN FORMAT

PERSONAL INFORMATION

Name, Surname	Josefina Pérez-Arantegui
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WORK EXPERIENCE

Current position (since 1996): Professor, Department of Analytical Chemistry, Faculty of Science, University of Zaragoza, Spain
2015- : Vice-dean of the Faculty of Sciences (University of Zaragoza) for students affairs and internships.
2008-2009: : Dipartimento di Chimica e Chimica Industriale, University of Pisa, Italy - Guest professor for 5 months
2007-2008: Dipartimento di Chimica e Chimica Industriale, University of Pisa, Italy - Guest professor for 5 months
1995: Research Laboratory for Archaeology and the History of Art, University of Oxford, UK - Guest professor for 3 months
1995-1996: Department of Analytical Chemistry, Faculty of Science, University of Zaragoza, Spain - Associate Professor
1992: Centre de Recherche et des Restauration des musées de France, Palais du Louvre, Paris, France - Postdoctoral position for 12 months
1990-1995: Department of Analytical Chemistry, Faculty of Science, University of Zaragoza, Spain - Assistant Professor

EDUCATION AND TRAINING

1982-1987: University of Zaragoza, Spain, MS in Chemistry
1987-1991: University of Zaragoza, Spain, Ph.D. in Analytical Chemistry

RESEARCH ACTIVITIES

Archaeometry, and Analytical Chemistry applied to Cultural Heritage. Elemental analysis of ceramics in provenance and technology studies. Characterization of glazes and ceramic decorations. Electron Microscopy in ancient materials. Analysis of residues and contents of archaeological objects. Studies of pigments and colorants. Hyperspectral imaging in paintings and decorations.

Summary of Publications

- More than 90 publications in peer-reviewed journals and chapters in books
- 110 abstracts in international and national conferences
- 26 research projects (coordinator in 10 projects)

ADDITIONAL INFORMATION

Professional Activities

- Member of the Environmental Sciences Institute (Instituto Universitario de investigación en Ciencias Ambientales, IUCA), University of Zaragoza
- Member of the Society of Archaeometry applied to Cultural Heritage (Sociedad de Arqueometría aplicada al Patrimonio Cultural, SAPaC)
- Member of the standing committee of the International Symposia on Archaeometry
- Member of the scientific committee of the Synchrotron Radiation for Art and Archaeology (SR2A) conferences
- Responsible for the yearly international workshops: "Science and Past", University of Zaragoza (first edition in 2009,...,2015)

Books and Articles

Some selected papers:

- F. Laborda; E. Bolea; G. Cepriá; M.T. Gómez; M.S. Jiménez; J. Pérez-Arantegui; J.R. Castillo. Detection, characterization and quantification of inorganic engineered nanomaterials: A review of techniques and methodological approaches for the analysis of complex samples. ANALYTICA CHIMICA ACTA. 904, pp. 10-32. 2016.
- F. Daniel; A. Mounier; J. Pérez-Arantegui; C. Pardos; N. Prieto-Taboada; S. Fdez-Ortiz de Vallejuelo; K. Castro. Hyperspectral imaging applied to the analysis of Goya paintings in the Museum of Zaragoza (Spain). MICROCHEMICAL JOURNAL. 126, pp. 113-120. 2016.
- J. Pérez-Arantegui; A. Larrea. Electron Backscattering Diffraction (EBSD), a complementary analytical approach for the microstructural characterisation of ancient materials by Electron Microscopy. TrAC-TRENDS IN ANALYTICAL CHEMISTRY. 72, pp. 193-201. 2015.
- J. Pérez-Arantegui; G. Cepriá. Suitability of the Voltammetry of Immobilized Microparticles to detect and discriminate lead compounds in microsamples of ancient black cosmetics. ELECTROCHIMICA ACTA. 138C, pp. 247-255. 2014
- A. Restivo; I. Degano; E. Ribechini; J. Pérez-Arantegui; M. P. Colombini. Field-emission scanning electron microscopy and energy-dispersive X-ray analysis to understand the role of tannin-based dyes in the degradation of historical wool textiles. MICROSCOPY AND MICROANALYSIS. 20, pp. 1534-43. 2014.
- E. Ribechini; J. Pérez-Arantegui; M. P. Colombini. Positive and negative-mode laser desorption/ionization-mass spectrometry (LDI-MS) for the detection of indigoids in archaeological purple. JOURNAL OF MASS SPECTROMETRY. 48, pp. 384 - 391. 2013.
- E. Ribechini; F. Modugno; J. Pérez-Arantegui; M. P. Colombini. Discovering the composition of ancient cosmetics and remedies: Analytical techniques and materials. ANALYTICAL AND BIOANALYTICAL CHEMISTRY. 401, pp. 1727 - 1738. 2011.
- E. Ribechini; J. Pérez-Arantegui; M. P. Colombini. Gas chromatography/mass spectrometry and pyrolysis-gas chromatography/mass spectrometry for the chemical characterisation of modern and archaeological figs (Ficus carica). JOURNAL OF CHROMATOGRAPHY A. 1218, pp. 3915 - 3922. 2011.
- J. Pérez-Arantegui; G. Cepria; E. Ribechini; I. Degano; M. P. Colombini; J. Paz-Peralta; E. Ortiz-Palomar. Colorants and Oils in Roman make-Ups-an Eye Witness Account. TRAC-TRENDS IN ANALYTICAL CHEMISTRY. 28, pp. 1019 - 1028. 2009.
- J. Pérez-Arantegui; B. Montull; M. Resano; J. M. Ortega. Materials and Technological Evolution of Ancient Cobalt-Blue-Decorated Ceramics: Pigments and Work Patterns in Tin-Glazed Objects from Aragon (Spain) from the 15th to the 18th Century AD. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. 29, pp. 2499 - 2509. 2009.
- J. Pérez-Arantegui; A. Larrea. The secret of early nanomaterials is revealed, thanks to Transmission Electron Microscopy. TRAC-TRENDS IN ANALYTICAL CHEMISTRY. 22, pp. 327-329. 2003.
- J. Pérez-Arantegui; J. Molera; A. Larrea; T. Pradell; M. Vendrell-Saz et al. Lustre Pottery from the 13th to the 16th century: a Nanostructured Thin Metallic Film. JOURNAL OF THE AMERICAN CERAMIC SOCIETY. 84, pp. 442-446. 2001.