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- 6.** A.P. Rodrigues, P.M.P. Santos, J.P. Veiga, M.H. Casimiro, L.M. Ferreira (2023) Electron Beam Irradiation on the Production of a Si- and Zr-Based Hybrid Material: A Study by FTIR and WDXRF. *Materials* 16(2) 489. <https://doi.org/10.3390/ma16020489>
- 5.** Márcia Vieira, Paula Nabais, Rafael Javier Díaz Hidalgo, Federica Pozzi and Maria J. Melo, "A luxury colour, the pinks of the only surviving medieval codex of Galician-Portuguese secular poetry", *Herit. Sci.*, accepted
- 4.** Maria J. Melo *, Ana Freitas *, Cristiana Vieira, Márcia Vilarigues, Márcia Vieira, Paula Nabais, Sílvia Sequeira, Mónica Lourenço, Gabriel Oliveira, Ana Rita Correia, "Study of the materials and techniques of a rare papier-mâché mushroom model crafted in H. Arnoldi factory", *Molecules*; Special Issue "Chemical Analysis Strategies in the Cultural Heritage Field. A Themed Issue in Honor of Professor Luigia Sabbatini's Retirement. accepted
- 3.** Rafael Javier Díaz Hidalgo, Ricardo Córdoba, Hermine Grigoryan, Márcia Vieira, Maria J. Melo*, Paula Nabais, Vanessa Otero, Natércia Teixeira*, Sara Fani*, Hossam Al-Abbadly, "The making of black inks in an Arabic treatise by al-Qalalūsī dated from the 13th c.: reproduction and characterisation of iron-gall ink recipes", *Herit. Sci.*, 11 (2023); <https://doi.org/10.1186/s40494-022-00823-1>; <https://rdcu.be/c295p>
- 2.** Fernando Pina , Nuno Basílio, A.J. Parola, Maria J. Melo, Joana Oliveira, Victor de Freitas, "The Triumph of the blue in nature and in Anthropocene", *Dyes and Pigments* 210 (2023) 110925; <https://doi.org/10.1016/j.dyepig.2022.110925>
- 1.** Sequeira, S.O., Lima, J.C. (2023). Fluorimetric Method for Quantification of Fungal Growth on Cultural Heritage: A Review. In: Springer Series on Fluorescence. Springer, Cham. https://doi.org/10.1007/4243_2022_44

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- 26.** E. Figueiredo, A. Rodrigues, J. Fonte, E. Meunier, F. Dias, A. Lima, J.A. Gonçalves, L. Gonçalves-Seco, F. Gonçalves, M.F.C. Pereira, R.J.C. Silva, J.P. Veiga (2022) Tin and Bronze Production at the Outeiro de Baltar Hillfort (NW Iberia). *Minerals*, 12(6) 758. <https://doi.org/10.3390/min12060758>
- 25.** M.L. Coutinho, J.P. Veiga, A. Ruivo, T.P. Silva, E. Salas-Colera, A. Lima, E. Figueiredo, M. Cotte, M.M.A. Lima (2022) An insight into the firing conditions of Chinese blue-and-white porcelain through XANES. *Journal of Analytical Atomic Spectrometry*, 37, 632-640. <https://doi.org/10.1039/D2JA00006G>
- 24.** F. Carvalho, P. Sousa, N. Leal, J. Simão, E. Kavoulaki, M.M.A. Lima, T.P. Silva , H. Águas, G. Padeletti, J.P. Veiga (2022) Mortars from the Palace of Knossos in Crete, Greece: A Multi-Analytical Approach. *Minerals*. 2022; 12(1):30. <https://doi.org/10.3390/min12010030>
- 23.** Coutinho, I.*; Medici, T.; Gratuze, B.; Ruivo, A.; Dinis, P.; Lima, A.; Vilarigues, M.* (2022) Sand and Pebbles: The Study of Portuguese Raw Materials for Provenance Archaeological Glass. *Minerals* 2022, 12 (2),193. <https://doi.org/10.3390/ min12020193>

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- 21.** Conceição, L.; Vilarigues, M.; Coentro, S.; Coutinho, I.; Teixeira, J.; Urze, P. (2022) "Porcelain Fillings: Challenges in the Conservation of a Ming Porcelain Dish". Gridley, R.; Schussler, V. (eds.) Recent Advances in Glass and Ceramics Conservation 2022 6th Interim Meeting of the ICOM-CC Glass and Ceramics Working Group, pp.237-242.
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- 18.** Maria João Melo, Paula Nabais, Márcia Vieira, Rita Araújo, Vanessa Otero, João Lopes, Lourdes Martín, "Between past and future: advanced studies of ancient colours to safeguard cultural heritage and new sustainable applications", *Dyes and Pigments*, 208 (2022) 110815. <https://www.sciencedirect.com/science/article/pii/S0143720822007379>
- 17.** Maria João Melo, Vanessa Otero, Paula Nabais, Natércia Teixeira, Fernando Pina, Conceição Casanova, Sara Fragoso and Sílvia O. Sequeira, "Iron-Gall Inks: A review of their degradation mechanisms and conservation treatments", *Herit. Sci.*, 10 (2022) 145; <https://doi.org/10.1186/s40494-022-00779-2>
- 16.** Christa Hofmann, Jiří Vnouček, Sophie Rabitsch, Junko Sonderegger, Sarah Fiddym, Matthew Collins, Abigail Quandt, Antonia Malissa, Katharina Uhlir, Martina Griesser, Klaudia Hradil, Rudolf Erlach, Maurizio Aceto, Maria J. Melo, "The Vienna Genesis: an example of Late Antique purple parchment", *Restaur.* 2022
- 15.** Ana M. Ferreira, Isa Sucena, Vanessa Otero, Eva Mariasole Angelin, Maria João Melo and João A. P. Coutinho, "Pretreatment of Plastic Waste: Removal of Colorants from HDPE Using Biosolvents", *Molecules*, 27 (2022) 98; <https://doi.org/10.3390/molecules27010098>
- 14.** Samaneh Sharif, Paula Nabais, Maria J. Melo, Fernando Pina and M. Conceição Oliveira, "Photoreactivity and stability of flavonoid yellows used in cultural heritage", *Dyes and Pigments*, 199 (2022) 110051; <https://doi.org/10.1016/j.dyepiq.2021.110051>
- 13.** Raquel Marques, Michel Sablier, Jaap J. Boon, Gauthier Rosé, Leslie Carlyle, Isabel Pombo Cardoso, Laurence De Viguerie, Tracking asphalt markers in bitumen oil paint reconstructions by Py-TMAH-GC/MS and Py-GCxGC/MS, *Microchemical Journal*, Volume 181, 2022, 107762, <https://doi.org/10.1016/j.microc.2022.107762>.
- 12.** Cirne, C., Lorena M., Villamariz, C. Veloso Salgado: a Obra que o tornou professor. *ARTIs ON*. 13. Lisboa: 2022, pp. 116-125 (in press)
- 11.** Coutinho, M. L., Villamariz, C.; Carvalho, M.; Fialho, L.; Veiga, J.P. (2022) A conservação de azulejos através de uma abordagem multifacetada. *Arquiteturas Brilhantes. Revestimentos cerâmicos do Século XV ao XXI*. Lisboa: 2022. FBAUL-CIEBA (in press).
- 10.** Atalaya M., Póvoas L., M.F. Macedo 2022 "RISK ASSESSMENT APPLIED TO A MINERAL COLLECTION" International Journal of Conservation Science, volume 13, Issue 2, April-June 2022: 395-416 ISSN: 2067-533X

- 9.** M.F. Macedo, M.G. Vilarigues M. L. Coutinho 2022. Biodeterioration of Stained Glass and Ceramic Tiles: Recent Developments Cultural Heritage Microbiology: Recent Developments Archetype Publications Ralph Mitchell (ed. lit.), Jennifer Clifford (ed. lit.), Archana Vasanthakumar (ed. lit.), 2022, ISBN 9781909492776, págs. 134-147
- 8.** Sequeira, S. O., Claro, A., Ferreira, T. M., & Figueiredo, E. (2022). Conservar Património in 2022. *Consevar Património*, 40, 8. <https://doi.org/10.14568/cp40fm2>
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- 6.** Melo, M. J., Otero, V., Nabais, P., Teixeira, N., Pina, F., Casanova, C., Fragoso, S., & Sequeira, S. O. (2022). Iron-gall inks: a review of their degradation mechanisms and conservation treatments. *Heritage Science*, 10(1), 1-11. <https://doi.org/10.1186/s40494-022-00779-2>
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- 4.** Pombo Cardoso, I., Quilhó, T., Sousa, V., Santana de Sá, S., França de Sá, S., Martins, V., Pereira, C., & Sousa, R. (2022). The Egyptian coffin from the Archaeological Museum of Carmo: material and technical study. *Consevar Património*, 41, 95–116. <https://doi.org/10.14568/cp26559>
- 3.** Pintus, V., Viana, C., Angelin, E. M., De Sá, S. F., Wienland, K., Sterflinger, K., & Ferreira, J. L. (2022). Applicability of single-shot and double-shot Py-GC/MS for the detection of components in vinyl acetate-based emulsions used in modern-contemporary art. *Journal of Analytical and Applied Pyrolysis*, 168, 105782. <https://doi.org/10.1016/j.jaat.2022.105782>
- 2.** França de Sá, S., Verkens, K., Rizzo, A., Scaturro, S., Correia, I., Carita, M., Petersen, G. 2022. Synthetic Coatings in Fashion Collections: Identification and Preservation Issues. In *Handbook on Conservation of Museum Textiles*. Wiley - Scrivener Publications.
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- 33.** A. Rodrigues. (Coord.) C. Villamariz; I. Coutinho; M. Vilarigues; S. Coentro; T. Medici (Eds.) (2021) "Reflection on a Glass Collection: the assemblage of Ferdinand II of Portugal", Catálogo da Exposição organizada no âmbito da 22^a conferência da Association Internationale pour l'Histoire du Verre 2021 (AIHV). Caparica: NOVA.FCT Editorial, 2021 (ISBN: 978-989-54493-6-1 | ISBN digital: 978-989-54493-7-8).
- 32.** Coutinho, I.; Rodrigues, A.; Villamariz, C. "Entradas de Catálogo", Reflection on a Glass Collection: the assemblage of Ferdinand II of Portugal, Catálogo da Exposição organizada no âmbito da 22^a conferência da Association Internationale pour l'Histoire du Verre 2021 (AIHV). (Coord.) A. Rodrigues. (Eds.) C. Villamariz; I. Coutinho; M. Vilarigues; S. Coentro; T. Medici. Caparica: NOVA.FCT Editorial, 2021 (ISBN: 978-989-54493-6-1 | ISBN digital: 978-989-54493-7-8)
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