

Conservation science applied to modern materials in scientific–technical collections

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Dr. Marisa Pamplona is Head of the Conservation Science Department and Research Laboratory that she established at the Deutsches Museum in 2014. Together with her research team, she investigates objects of the collection made of modern materials by identifying their formulations, studying their technology and degradation, and assessing effective

conservation treatments for their preservation.

She was Conservation Scientist at the Rathgen Research Laboratory - National Museums Berlin from 2008 to 2013. During her Ph.D. in Engineering Sciences (2008) at the Technical University of Lisbon, she assessed the durability of synthetic polymers used in stone consolidation



The spacesuit Sokol-KV2 (Inv. No. 1994-612) from the Deutsches Museum, worn by the German cosmonaut Klaus-Dietrich Flade in 1992, presents a complex stratigraphy of modern materials (© DLR/@Deutsches Museum).