



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA KULTURO**  
ARHIV REPUBLIKE SLOVENIJE



Društvo restavradorjev Slovenije

VABIMO VAS NA PREDAVANJE

**dr. Marijane Mimica Tkalčec**

višje konservatorke restavradorke, sodelavke

Centralnega laboratorija za konserviranje in restavriranje v  
Hrvaškem državnem arhivu v Zagrebu

z naslovom:

**Študij vpliva hidrolitskega, toplotnega in UV staranja na lastnosti  
papirja za restavriranje**

Predavanje, bo v hrvaškem jeziku.

Arhiv Republike Slovenije, Ljubljana, 2. oktober 2019 ob 11h

## **Impact study of hydrolytic, thermal and UV ageing onto the properties of paper for restauration.**

### **Abstract**

The main purpose of this study was to determine and define the influence of hydrolytic and UV (ultraviolet) ageing on the stability of restoration paper. In order to slow down the process of paper degradation, in this work the possibilities of applying different adhesives to the paper surface were explored.

Investigations of accelerated (laboratory) hydrolytic and UV ageing of paper were carried out with different ageing durations. The tests were carried out on three types of Japanese paper (JP1, JP2 and JP3). Results were obtained before and after treatment with adhesives: methyl-cellulose, rice starch, klucel G and filmoplast R.

In this study the structural, surface, chemical and mechanical properties of the untreated JP1, JP2 and JP3 papers and papers treated with adhesives were systematically monitored during accelerated hydrolytic and UV ageing.

### **CV**

**Marijana Mimica Tkalčec** works since 2001 in the Croatian State Archives in Zagreb at the Central Laboratory for Conservation and Restauration on conservation and restoration of archival and library materials as well as works of art on paper and parchment. Throughout the years of her work she gained a vast experience in the field of conservation and restoration. Since 2016 she is head of Department of Conservation and Restoration in the Central Laboratory for Conservation and Restoration.