

Proteins in works of art: a thermoanalytical approach

Celia Duce
Università di Pisa

26 de junio de 2019

11:30

Facultad de Ciencias B-Matemáticas, Salón de Actos

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This talk regards the Cultural Heritage field and reports some applications of thermo-analytical techniques (DSC and TG coupled with IR for evolved gas analysis (EGA)) and analytical pyrolysis techniques (EGA/MS, Py/GC/MS, and DSP/GC/MS) to the study of degradation processes undergone by proteins (binders used in tempera paints) in the presence of inorganic pigments historically used in paints and by a set of alkyd resins used in contemporary art. The occurrence of interactions taking place between proteins and pigments and their nature and evolution with ageing are highlighted.

Celia Duce



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