



Organic Materials in the Wall Paintings

Guest Editor:

Prof. Antonella Casoli

Department of Chemical Science,
Life and Environmental
Sustainability, University of
Parma, 43124 Parma, Italy

Deadline for manuscript
submissions:

closed (20 August 2022)

Message from the Guest Editor

In order to obtain stable pictorial drafting, it was still necessary to have pigments and binders. As evidenced by the analytical studies carried out on ancient murals in different cultures (Egyptian, Maya, etc.), painting with plant tempera was among the first to be realized. It is obtained by 'softening' pigments, usually of mineral nature, into binders of a polysaccharide nature (plant gums mostly). From painting to plant tempera, the art moved to that of protein tempera. Protein binders consist of animal glue, egg and casein (skim milk). Glue, however, as a soluble binder or otherwise sensitive to water, has always been used minimally. Much more stable and commonly used are the other two: egg and milk.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)