

Special Issue

New Advances in Biomolecular Approaches to Archaeological Heritage

Message from the Guest Editors

Identifying ancient residues preserved on archaeological objects or in biological tissues such as mineralized dental plaque or coprolites enables the accurate reconstruction of past populations and their lifeways. In addition, residues on historical objects, such as parchments, artworks, and manuscripts, provide many insights into the operational sequences that were used in the production of these objects. In the past, the documentation and identification of residues on ancient and historical objects posed numerous methodological challenges, suffering from preservation biases and taphonomic changes. The identification of ancient biomolecules or metabolites using spectrometric, chromatographic, or proteomic methods significantly improves the accurate identification of ancient residues by providing unambiguous matches to specific compounds. The Special Issue aims to collect original research articles and reviews that deal with organic residue analysis (ORA) in archaeological and historical heritage and involve using one or more chemical analyses applied to archaeology, forensic anthropology, biology, and other fields.

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Heritage is an international, peer-reviewed, open access journal that focuses on knowledge, conservation, interpretation and management of cultural and natural heritage, by presenting and enabling novelty and advances in sensing technologies, novel methods, best practices and policies. *Heritage* has the ambition to become a “cultural forum”, where scientists and experts offer answers to significant issues affecting cultural and natural heritage, by creating a knowledge bridge between different technological and social disciplines. *Heritage* has an Editorial Board of eminent international leaders and this ensures rigorous peer-review processing for high quality and novel papers. We strongly recommend *Heritage* for the rapid and professional publication of your innovative research and case studies.

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