

CONTENTS

S. Omar
Characterization of the ottoman ceramic tiles in the façade of Mustafa Sinan's Sapil
(Cairo, Egypt)1

G. Fazio
The body image on the shroud was not produced by protons17

SPECIAL ISSUE

Guest Editors: A. Moropoulou, A. Konstanti, I. Liritzis

9 papers from presentations to the 2nd TMM_CH Conference
(Transdisciplinary Multispectral Modelling and Cooperation
for the Preservation of Cultural Heritage)

P. Mavrantonis & L. Zoumpoulakis
Preservation and restoration of films and paper documents after their exposure
to extreme environmental conditions (case study of the historical archive of the
communist party of Greece)23

A. Ciccola et al
A whiter shade of vase: discovering the white colors of an ancient Apulian krater
through XRPD and Raman spectroscopy37

G. Longobardi & A. Formisano
Seismic vulnerability assessment of a 17th century Neapolitan farm47

E. Delegou et al
Metagenomics of the built cultural heritage: microbiota characterization of the building
materials of the holy aedicule of the holy Sepulchre in Jerusalem59

E. Vouvoudi et al
Preliminary study of a polycyanoacrylate adhesive for glass: changes under ageing conditions
85

E. Alexakis et al
Deep learning approach for the identification of structural layers in historic monuments
from ground penetrating radar images95

A. Psalti et al
Interdisciplinary project for the catholicon rehabilitation of the Varnakova monastery109

D. Melissaropoulou et al
Digital cartography in the service of preservation of cultural linguistic heritage:
implementing the electronic dialectal atlas of Cappadocian Greek135

D. Psarros et al
Information technology and archaeological excavations: a brief overview147



Scientific Culture

*Journal of Applied Science & Technology
to Cultural Heritage Issues*

Vol. 8 No. 2 - 2022

Endorsed by



European Academy of Sciences and Arts,
Saltzburg, Austria



HENAN UNIVERSITY
Kaifeng, China
for the UNIVERSITY OF THE AEGEAN
Rhodes, Greece