

EDICULA

Educational Digital Innovative Cultural heritage related Learning Activities

Project Code: 2020-1-EL01-KA203-079108



NATIONAL
TECHNICAL
UNIVERSITY
OF ATHENS
[GREECE]



SAPIENZA
UNIVERSITA DI
ROMA
[ITALY]



BEZALEL
ACADEMY OF
ARTS AND
DESIGN
[ISRAEL]

PerpetielSI
SRL

PERPETIELSI SRL
[ROMANIA]



ISRAEL
ANTIQUITIES
AUTHORITY
[ISRAEL]



HELLENIC RESEARCH
INSTITUTE OF THE
ALEXANDRIAN
CIVILIZATION
[GREECE]

MULTIPLIER EVENT:

E3 EDICULA INNOVATION & EDUCATIONAL SESSIONS WITHIN
TMM_CH CONFERENCE

DELIVERABLE:

Published scientific works in the EDICULA Special Sessions in the TMM-
CH 2021 Conference

LEAD ORGANIZATION:

NTUA

DATE:

28 February 2022



Co-funded by the
Erasmus+ Programme
of the European Union





Published scientific works in the EDICULA Special Sessions in the TMM-CH 2021 Conference

Session 1: The Holy Sepulchre rehabilitation project: An emblematic source of innovation

- 237 Em. Alexakis, A. Raikos, A. Rifios, D. Kyriazis, A. Moropoulou. Innovative holistic framework for the management and analysis of CH data. Book of Abstracts TMM-CH2021 Conference – distributed in TMM-CH2021 Conference USB (2021).
- 82 K.C. Lampropoulos, M. Apostolopoulou, E. Tsilimantou, A. Moropoulou. The grouting process as an innovative tool for the assessment of the state of preservation and internal features of the Holy Aedicule of the Holy Sepulchre. *Heritage*, 5, 61-87 (2022) <https://doi.org/10.3390/heritage5010004>.
- 159 E. Alexakis, K. Lampropoulos, N. Doulamis, A. Doulamis, A. Moropoulou. Deep learning approach for the identification of structural layers in historic monuments from Ground Penetrating Radar images. *Scientific Culture – J. of Applied Science & Technology to Cultural Heritage Issues* (to be published).
- 95 E. Delegou, C. Karapiperis, Z. Hilioti, A. Chasapi, D. Valasiadis, A. Alexandridou, V. Rihani, M. Kroustalaki, Th. Bris, C.A. Ouzounis, A. Salakidis, A. Moropoulou. Metagenomics of the built Cultural Heritage: Microbiota characterization of the building materials of the Holy Aedicule of the Holy Sepulchre in Jerusalem. *Scientific Culture – J. of Applied Science & Technology to Cultural Heritage Issues*, 8 (1) (to be published in April 2022) [DOI: 10.5281/zenodo.5772545]

Session 3: Novel Educational Approach for the Preservation of Cultural Heritage

- 239 S. Della Torre, R. Moioli, L. Cantini. Innovative experiences in teaching conservation. Involving communities' interests on preservation topics by fast investigations and social media dissemination. In: *Special Issue TMM-CH, Technical Chronicles*. Technical Chamber of Greece (to be published)
- 47 P. Pouli, K. Melessanaki, A. deTagle, D. Anglos. OPTO-CH summer courses on laser analysis, diagnosis and conservation of Heritage objects and monuments; content, experiences and future prospects. Distributed in TMM-CH2021 Conference USB (2021)
- 48 P. Pouli, D. Anglos, C. Bekiari, C. Vasiliadis. Opening laser laboratories physically and digitally to the public; challenges and prospects. Distributed in TMM-CH2021 Conference USB (2021)
- 238 A. Lobovikov-Katz, A. Moropoulou, A. Konstanti, K. Lampropoulos. Heritage Preservation Education for the General Public – The role of Hands-on Education. In: *Special Issue TMM-CH, Technical Chronicles*. Technical Chamber of Greece (to be published).
- 201 M. Drakaki. Exploring the process of educational visits in primary school education: comparative analysis of studies of grounded theory through the field of cultural communication. Book of Abstracts TMM-CH2021 Conference (2021).
- 156 J. Pange, A. Degteva, Z. Nikiforidou. ICT tools in Designing Preschool Educational Activities on Historical Events. In: *Special Issue TMM-CH, Technical Chronicles*. Technical Chamber of Greece (to be published).
- 13 Ch. Tsita, Ch. Georgiadis, M. Zampeti, E. Papavergou, S. Tsiara, A. Pedefoudas, D. Kehagias. An approach to facilitate visitors' engagement with Contemporary Art in a Virtual Museum. In: *Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage*, Eds. A. Moropoulou, A. Georgopoulos, A. Doulamis, M. Ioannides and A. Ronchi. Springer, Communications in Computer and Information Science, vol. 1574 (2022).
- 144 A. Moropoulou, K. Lampropoulos, I. Rallis, A. Doulamis. Scientific Architecture of the educational toolkit of the project EDICULA. In: *Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage*, Eds. A. Moropoulou, A. Georgopoulos, A. Doulamis, M. Ioannides and A. Ronchi. Springer, Communications in Computer and Information Science, vol. 1574 (2022).