

## EDITORIAL SCIRES-IT. INNOVATIVE TECHNOLOGIES FOR THE DOCUMENTATION, PRESERVATION AND ENJOYMENT OF CULTURAL HERITAGE

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### Abstract

This issue of SCIRES-IT (No.1, 2024) contains numerous articles presenting in original ways, and at different scales, innovative technologies to support the documentation, preservation and enjoyment of cultural and environmental heritage.

### Keywords

SCIRES-IT, Editorial, SCIENTIFIC RESEARCH and Information Technology, Cultural and Environmental Heritage, Innovative technologies.

This issue of SCIRES-IT - SCIENTIFIC RESEARCH and Information Technology (No. 1 vol. 14, 2024) contains numerous articles presenting in original ways, and at different scales, innovative technologies to support the documentation, preservation and enjoyment of cultural and environmental heritage.

The published articles present a range of different topics from the progress that integrated survey offers to the knowledge of ancient monuments or the investigation of design and construction languages in urban contexts, to the testing of digital anastylosis on liturgical furnishings to support the art and architectural history across a multidisciplinary path, offering also insights on the interoperability between different tools and skills and a reflection on the construction of codified archives that derive from the large amounts of data and information that new technologies allow to acquire.

Among those contributions there is an article about the use of BIM as a tool to link information and overcome the knowledge fragmentation in digital reconstruction of non-existent historical buildings, while others address the knowledge of a specific landscape, as in the case of the use of a multimedia system to enable the interactive fruition project in the Aspromonte National Park territory, and the case of a project focused on a survey done to define the characteristics of vernacular architecture in Kerala, India.

Other articles focus on some specific applications, as in the case where digital technologies are used to quantify the ballistics of Roman artillery on the basis of analyses conducted on visible traces, thus enabling not only the virtual reconstruction but also the physical one of the weapons used by the Romans during the siege of Sulla, or as in the case of the test conducted to obtain a digital textile, sampling and restitution process useful for possible new advanced modalities of remote collaborative design, up to the contribution in which the testing of animation as a multimedia communication tool is used to promote responsible consumption choices and sustainable production methods is described.

Pages 161-276 host the selected contributions of authors who participated in the international exhibition event "3EXP.it Exposición Científica, Expresión Gráfica, Experiencia Italiana para el conocimiento, tutela y valorización del patrimonio arquitectónico" ([www.3exp.it](http://www.3exp.it)) held, in March and April 2024, at the Museo de Arquitectura Leopoldo Rother of the Universidad Nacional de Colombia in Bogotá and at the Museo de Arquitectura y Diseño in Buenos Aires.

This event was conceived by the Superintendence of Archaeology, Fine Arts and Landscape of the provinces of Brindisi and Lecce, in unity of purpose with the General Directorate of Archaeology, Fine Arts and Landscape and sponsored by the Embassies of Italy in Colombia

and Argentina, as part of the "Fund for the Enhancement of the Promotion of Italian Culture and Language Abroad" of the Ministry of Culture.

The objective of the event was to promote the diffusion of Italian culture for the knowledge/research, protection/preservation and enhancement/promotion of architectural heritage, through the exhibition of methods and results achieved in recent experiences, distinguishable for their original and innovative scientific contribution.

The contributions deemed most significant and original were selected from fifty panels on display, originating from various Italian universities and superintendencies, and the authors were invited

to write a long paper on the selected contributions and submit those to the journal SCIRES-IT - SCientific RESearch and Information Technology.

The papers represent Italian, technologically innovative experiences, developed in national and international contexts, and concerning methodologies for the knowledge, protection and enhancement of architectural heritage.

Finally, this issue contains a contribution on a different topic highlighting some critical issues in the use of bibliometrics for scientific evaluation of researchers.