



GREEN CONSERVATION OF CULTURAL HERITAGE 2022

3rd-4th February – Art Accademy of Rome



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Conference's proceeding journals:



analytica



sustainability



*methods
and protocols*

3rd February

Venue - Art Academy In Rome | Via Di Ripetta, 222 - Rome

Time: 9.00 -13.00

Welcome to GREEN CONSERVATION 2022 – Opening with the Institutions

LECTURE

Biotechnology applications to conservation and development of bio-based products

Type of presentation during the conference	Title of contribution	Authors
BRAND YOU	Potential exploitation of liquorice (<i>Glycyrrhiza glabra</i> L., 1758) leaf extract as a biocide against bio-deteriogens in cultural heritage	G. Migliore*, L. De Gasperis, F. Francia, C. Alisi, F. Tasso
ORAL	A blend of art history, restoration and science in the bio-cleaning of Michelangelo's marbles at the Medici Chapels (Florence)	C. Alisi*, M. Bietti, D. Manna, G. Migliore, P. Paganin, A. R. Sprocati, F. Tasso, M. Vincenti
BRAND YOU	Sustainable cleaning of metal artworks using innovative biologically derived water- and solvent-gels	A. Passaretti*, L. Cuvillier, E. Guilminot, G. Sciutto, S. von Reuss, E. Joseph
ORAL	Plant extracts as bio-based products in cultural heritage conservation	F. Palla*, G. D'Agostino, S. Sparacello
BRAND YOU	Evaluation of the effectiveness of two agarose enzyme gels for the removal of complex substrates of proteinaceous, oily and terpenic nature	M. Morlotti*, F. Forlani, I. Saccani, A. Sansonetti
BRAND YOU	The Removal of Biological Agents and the Eco-Sustainability: Experimentation of Essential oils and Enzymes	R. Reale*, S. Sartori, M. Baldan, Y. Rubino
BRAND YOU	Unusual Essential oils as alternative biocides to inhibit biodeterioration of stone materials	A. Macchia, H. Aureli, F. Ortenzi, S. Sellathurai, A. Docci, E. Cerafolgi, I. A. Colasanti, F. Prestileo, M. F. La Russa
BRAND YOU	Microbes for the archaeological wood conservation	S. Ganesan*, S. James, M. Monachon, L. Pedersen, E. Joseph
BRAND YOU	Microalgae polysaccharides: a novel bio-material for cultural heritage preservation	A. Antonacci *, F. Leonelli, A. Masi, L. Medeghini, G. Favero, L. Sadori
BRAND YOU	Cold-extracted Funori from red alga <i>Gloiopeltis tenax</i> as a green adhesive for matte paintings	C. Biribicchi*
BRAND YOU	The San Giovanni portal conservation treatment: biotechnologies for conservation	N. Iacopino*, S. Schiattone
BRAND YOU	Diagnostic analysis to support the restoration of the 16th-17th century wall painting with the Virgin between St. Sebastian and St. Millerio and test for Nasier, a new green cleaning product based on enzymes	C. Pelosi*, R. Bocci, C. Colantonio, L. Lanteri, V. Valentini

Sustainable exhibition design - Experiences to transform 'environmentally sustainable' practices into 'common' practices

BRAND YOU	The Darsena of Ravenna: A Case of Urban Reform for a Sustainable Identitarian Heritage	A. Mecozzi*, F. Fabbri, X. Yun Shi, A. Iannucci, R. Pasini, L. Ciancabilla
please confirm ORAL or BRAND YOU	Characterization of pigments used on mural paintings of Sotterra Church in Paola (Italy)	N. Derakhshan Hore*, A. Sultan Koca, M. Ricca, M. F. Alberghina, S. Schiavone, S. A. Ruffolo, A. Vakın Akyol, M. F. La Russa
BRAND YOU	Local cultural strategies VS sustainability: a survey to understand and plan adequate conservation strategies	F. Cardinali*, C. Vatteroni, C. Manfriani, A. Marra

3rd February

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Time: 14.00 -19.00

National and international sustainable projects on Cultural Heritage and Landscape-Sustainable, ecological, and rational solutions between the Cultural Heritage & Landscape and the local context

ORAL	Determining the Changes of Cultural Landscapes in the Historical Process: The Case, Bilecik, Turkey	P. Göker*, A. Begül Bulut
ORAL	Historical Dyeing and Diversity of Plants	S. Khalilli*, F. Khalilli, S. Almammadova
ORAL	How Could Historical Roads and Khanegahs be Restored?	F. Khalilli*
ORAL	From decayed garment to new history: Conservation and analysis role in discovering new evidence for Tutankhamun's parents	N. Morshed Hamza*
BRAND YOU	COP26 Presentation: How Culture Can Transition To More Sustainable Practices, and Why this is Important	A. Erikson*
BRAND YOU	Tutankhamun samples collection: The recognition, preservation, management, access and research opportunities	N. Morshed Hamza*
ORAL	Multi-Analytical approach to plan a sustainable intervention on a wall painting: the study on the Déesis of St. Maria Annunziata's church, Motta San Giovanni (RC)	G. Salatino*, M. Ricca, A. Macchia, L. Randazzo, P. Pogliani, A. Arcudi, M. F. La Russa

Green and sustainable building practices for museums and architectural Cultural Heritage

BRAND YOU	Safeng Pc - Scientific and industrial research project for fire protection and resilience of Cultural Heritage	F. Cola*, S. Canevarolo, R. Dell'Aversano
BRAND YOU	Influence of hemp and straw biofibers in traditional mortars	A. Karozou*, M. Stefanidou, A. Atsali
ORAL	Agsu Traditional Construction Materials Workshop	S. Bayramova*, F. Khalilli, E. Khalilov



4th February

Venue - Art Academy In Rome | Via Di Ripetta, 222 - Rome

9.00-14.00

LECTURE

Green chemistry and nanotechnology for eco-friendly conservation - Feasibility of application of innovative green methods, products, and strategies

ORAL	Green application on cultural heritage materials	L. Campanella*
BRAND YOU	New organic green solvents for aged varnish removal from polychrome artworks	E. Cerafogli*, G. Favero, A. Macchia
BRAND YOU	Deep Eutectic Solvents: New Frontiers and Challenges for the Conservation of Cultural Heritage	R. Strangis*, R. Mancuso,, A. Macchia, M. Ricca, G. Salatino, S. De Angelis, M. Cersosimo, B. Gabriele, M. F. La Russa
BRAND YOU	Characterization of bacteria community on bronze and marble statues	A. Timoncini*, E. Bernardi, C. Martini , F. Costantini, F. P. Mancuso, K. O. Matterson, E. Sassoni, C. Chiavari
BRAND YOU	Natural based products for cleaning copper and copper alloys artefacts	I. A. Colasanti*, A. Macchia, L. Rivaroli, G. Favero, T. de Caro, L. Pantoja Munoz, L. Campanella, M. F. La Russa
ORAL	Evaluation of the effectiveness, compatibility and environmental impact of eco-friendly multifunctional products: Laboratory and medium term In-Situ assessment test on archaeological samples from Baelo Claudia	G. M. C. Gemelli*, C. M ^a Ponce Castro, M. L. Almoraima Gil, M. J. Mosquera, F. Fernandez
ORAL	Multifunctional TiO ₂ coating : a laboratory study for the conservation of limestones used in the historical centre of Cosenza (Calabria, Italy)	A. Sultan Koca*, N. Derakhshan Houreh, M. Ricca, A. Donato, L. Randazzo, S. Santoro, E. Curcio, A. A. Akyol, H. Katircioğlu, M. F. La Russa
BRAND YOU		M. Zappelli*, A. Macchia, T. De Caro, D. Caschera
BRAND YOU	Multifunctional biocidal mortars based on nanoparticles and organic waste material for the Cultural Heritage Conservation	F. Ortenzi*
ORAL	Green protective treatments for historic surfaces: the case of the Grand Continental Hotel in Cairo (Egypt)	R. Montagno*, F. Fernandez, I. Dabouh, F. Armetta, V. Ciaramitaro, M. L. Saladino
ORAL	TiO ₂ - vs. Ionic Liquid-based antifouling coatings: preliminary results	C. E. Urzi*, M. Ben Chobba, F. De Leo, A. Marchetta, M. Licchelli, M. L. Weththimuni, M. Messaoud, S. Lo Schiavo
BRAND YOU	Cleaning contemporary restoration varnishes by green solvents	P. Carnazza*, A. Macchia, C. Biribicchi, S. Montorsi, G. De Masi, N. Sangiorgi
ORAL	Accelerated ageing and evaluation of effectiveness of nanostructured products for the protection of apulian stones materials	S. Germinario*, R. Laviano, F. Fernandez

LIVING LAB SESSION
Touch the green!

Venue: La Galleria Nazionale d'Arte Moderna e Contemporanea
Viale delle Belle Arti 131 - 00197 Roma



The more views multimedia contributions will be examine by a council consisting by private and public institutions and by companies to define the methods, practice or products that can immediately operate in the cultural heritage sector. The best contribution will win the award: "Best green solution and innovation in cultural heritage" (value: 500 euros) sponsored by:



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