



19–21 Aprile 2023



Università degli Studi di Messina

Piazza Pugliatti, 1 , 98122 Messina

PROGRAMMA DEFINITIVO

Organizzato da



Università
degli Studi di
Messina

DIPARTIMENTO DI SCIENZE
MATEMATICHE E INFORMATICHE,
SCIENZE FISICHE E SCIENZE DELLA TERRA

Con il patrocinio di



Università
degli Studi di
Messina



Mercoledì 19 aprile 2023

Aula Cannizzaro

9.00 – 10.00 Registrazione dei partecipanti + welcome coffee

Aula Magna

10.00 – 10.45 Saluti istituzionali

- Prof. **Salvatore Cuzzocrea** - *Magnifico Rettore dell'Università degli Studi di Messina*
- Prof. **Domenico Majolino** - *Direttore del Dipartimento di Scienze Matematiche e Informatiche, Scienze Fisiche e Scienze della Terra (MIFT) dell'Università degli Studi di Messina*
- Prof. **Paolo Vittorio Giaquinta** - *Direttore della Classe di Scienze Fisiche, Matematiche e Naturali dell'Accademia Peloritana dei Pericolanti*
- Prof. **Mauro Francesco La Russa** - *Presidente dell'Associazione Italiana di Archeometria (AIAr)*

10.45 – 11.30 Plenary Lecture

Marco Martini - *Università degli Studi di Milano Bicocca*

Dating in archaeometry (introduce **Mauro Francesco La Russa**)

11.30 – 13.20 Sessioni Parallele

Aula Magna		Sessione orale 1: Caratterizzazione e Diagnostica Chairs: A. M. Gueli, C. Trigona
11.30 – 11.50	C. Germinario	Geomaterials used for the construction and decoration of the House of Petronia (I 16, 5) in Pompeii: an archaeometric study
11.50 – 12.10	A. Donato	A combined analytical approach to define the best strategies to preserve natural and artificial stone materials employed in Gerace Cathedral (RC, Italy)
12.10 – 12.30	M. F. Alberghina	Three examples of "cuoridoro" of XVIII century in Sicily: knowledge, scientific investigation, conservation and valorisation activities
12.30 – 12.50	M. Albano	Do you know what ink Beethoven employed to write his music? Preliminary investigation on the manuscript held at the Angelo Mai Civic Library in Bergamo (Italy)
12.50 – 13.10	V. Guglielmi	The characterisation of the materials from a "Madonna with Child, Saint Catherine of Siena and a Carthusian Prior" polychrome earthenware bas-relief attributed to Giovanni Antonio Amadeo: a multi-analytical approach
13.10 – 13.20	A. Cosentino (CHSOS) [Technical talk]	Multispectral Imaging with Antonello by CHSOS, Low-Cost, and Educational tool

Aula Accademia Peloritana dei Pericolanti		Sessione orale 2: Caratterizzazione e Diagnostica Chairs: M. Ricca, S. A. Ruffolo
11.30 – 11.50	V. Comite	Use of climatic chambers to analyse the catalytic action of heavy metals in sulphation process
11.50 – 12.10	M. Bernabale	Evaluation of stress corrosion and micro-segregation in copper-based artefacts through X-ray Microscopy
12.10 – 12.30	G. Montalto	Durability tests of some mortars peculiar of the historic built heritage of Catania (Eastern Sicily): an experimental study
12.30 – 12.50	F. Giacoppo	Ceramic surfaces characterization through Confocal Laser Scanning Microscopy (CLSM): a pilot study
12.50 – 13.10	C. Sabbarese	Combining multispectral imaging and XRF analysis to examine <i>San Patroba che predica ai fedeli di Pozzuoli</i> by Massimo Stanzone

13.20 – 15.00

Lunch

15.00 – 16.40 Sessioni Parallelle

Aula Magna		Sessione orale 3: Caratterizzazione e Diagnostica Chairs: V. Comite, P. Fermo
15.00 – 15.20	G. Berruto	Non-invasive archaeometric study of red coral on Iron Age jewellery: presentation of the analytical protocol and case studies
15.20 – 15.40	F. Cantini	Ancient Egypt bronze coffins investigation by Neutron Imaging
15.40 – 16.00	D. Cimino	The redemption of reflectance spectroscopy in <i>in situ</i> analytical campaigns: telling a conservation story
16.00 – 16.20	S. Capriotti	On-Tech: characterization of ancient mortars for the development of new sustainable materials
16.20 – 16.40	E. Cantisani	Ancient restoration practises in archaeological sites in Turkey: materials and technologies

Aula Accademia Peloritana dei Pericolanti		Sessione orale 4: Provenienza e Datazione Chairs: A. Galli, M. Martini
15.00 – 15.20	S. Calandra	Binder selection procedure of natural hydraulic mortars of Florentine historical buildings for radiocarbon dating
15.20 – 15.40	A. Agostino	The <i>Desana's Treasure</i> , Ostrogoths in north-western Italy
15.40 – 16.00	L. Guidorzi	Micro-PIXE and micro-IBIL characterization of lapis lazuli samples from Myanmar mines and implications for provenance studies
16.00 – 16.20	L. Panzeri	Exploring the occupation of the Valley of Assam through Luminescence Dating: results from new findings from a paleo-channel of Dihing River
16.20 – 16.40	M. Saleh	The impact of statistical analysis in OSL mortar dating

16.40 – 17.10	Coffee Break
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17.10 – 18.50 Sessioni Parallelle

Aula Magna		Sessione orale 5: Caratterizzazione e Diagnostica Chairs: C. Grifa, R. C. Ponterio
17.10 – 17.30	S. Dilaria	Vitruvian and “alternative” volcanic pozzolans in the ancient world. A brief review based on recent scientific advances
17.30 – 17.50	N. Manfredda	Ancient Egyptian wooden statuettes from the Tomb of Minhotep in the Museo Egizio
17.50 – 18.10	F. Armetta	Underwater degradation of archaeological metals from Mediterranean Sea
18.10 – 18.30	A. Piccirillo	The detection of Prussian blue in historical textiles: A systematic study based on tailored mock-ups
18.30 – 18.50	L. Vigorelli	An OpenAIar project: X-ray micro-tomography for the investigation of roman glass sherds from Aquileia (UD)

Aula Accademia Peloritana dei Pericolanti		Sessione orale 6: Provenienza e Datazione/BioArcheologia Chairs: C. Lubritto, C. Pelosi
17.10 – 17.30	P. Santi	Volcanic millstone tracing human movements in central Italy during the Final Bronze Age (Arcevia, Marche)
17.30 – 17.50	A. Silvestri	Once upon a glass mosaic in the apse of S. Sabina's Basilica in Rome. Interdisciplinary study of a Late Antique/Medieval lost decoration
17.50 – 18.10	O. Yatsuk	Ashes to ashes, salts to salts: different origin of glass beads from Iron Age sites in Central Italy
18.10 – 18.30	C. Lambert	New insights from recent archaeometric studies on the Church of Sant'Ambrogio at Montecorvino Rovella (Salerno, Italy)
18.30 – 18.50	N. Mantile	Exploring the Potentiality of Osteoarchaeological Remains: Innovative Methodologies to Investigate Paleodiet Through Stable Isotope Analysis

19.30	Aperitivo
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Giovedì 20 aprile 2023

Aula Cannizzaro

8.30 – 9.30 Registrazione dei partecipanti

Aula Magna

9.30 – 10.15 *Plenary Lecture*

Fabrizio Tigano - Università degli Studi di Messina

Cultural heritage as a public resource (introduce **Valentina Venuti**)

10.15 – 10.45

Coffee Break

10.45 – 12.25 Sessioni Parallele

Aula Magna		Sessione orale 7: Provenienza e Datazione/Caratterizzazione e Diagnostica - Chairs: V. Crupi, V. Venuti
10.45 – 11.05	R. Galvagno	The amber collection in the Lentini Museum
11.05 – 11.25	G. D'Angelo	Archeometric Study on architectural terracottas from the Temple of Diana Nemorensis (Lazio, Italy): preliminary results
11.25 – 11.45	G. Ricci	Mortars and water: case studies in the Venice lagoon
11.45 – 12.05	S. Vettori	The first archaeometric analyses of Bronze Age vitreous materials from Paduli site (Colli sul Velino, Rieti) in central Italy
12.05 – 12.25	N. Rovella	Technological innovation and Roman engineering skills in the mortars of Villa dei Quintili (Rome, Italy)

Aula Accademia Peloritana dei Pericolanti		Sessione orale 8: Caratterizzazione e Diagnostica/Tutela e Valorizzazione - Chairs: M. F. Alberghina, G. Stella
10.45 – 11.05	D. Magrini	Colours for Eternity. Archaeometric data on the original polychromy of Etruscan alabaster urns from Sarteano (SI)
11.05 – 11.25	S. Longo	Reading the invisible: the role of optical investigations in the study of the Herculaneum papyri
11.25 – 11.45	S. Ferrarese	A new methodology to compare microclimatic conditions inside museum showcases
11.45 – 12.05	S. Fiorentino	The significance of things Investigating glass from materiality to intangible values
12.05 – 12.25	J. J. Lucejko	Evaluation of various preservation methods in the storage phase for waterlogged archaeological organic artifacts by pyrolysis-based techniques

12.45 – 14.20

Lunch

14.30 – 16.10 Sessioni Parallele

Aula Magna	Sessione orale 9: Materiali Innovativi e Nanotecnologie per i Beni Culturali/Digitalizzazione 3D e Nuovi Linguaggi della Rappresentazione del Patrimonio Culturale Chairs: F. Caridi, F. Stanco
14.30 – 14.50	M. Secco The influence of Mg in the cementation processes of ancient binding composites
14.50 – 15.10	M. L. Saladino Innovative nanostructured materials for the preservation of stone substrates
15.10 – 15.30	D. Giuffrida An engraved prehistoric cup from Filicudi, Aeolian Islands: study and fruition through combined surveys and digital media
15.30 – 15.50	M. Gargano Macro-3D multiband computational imaging applied to the study of materiality of Egyptian papyri
15.50 – 16.10	G. Sorrentino 3D morphometric analysis to trace surface depletion in ground stone tools replicative usage

Aula Accademia Peloritana dei Pericolanti	Sessione orale 10: Conservazione Preventiva e Restauro Chairs: S. D'Amico, G. Fiocco
14.30 – 14.50	E. Diana Scientific study of a rare Chinese Buddhist silver reliquary
14.50 – 15.10	S. Carnio The challenge of outdoor wall painting conservation: a comparative study of some protective treatments
15.10 – 15.30	S. Campanelli The Fabrics of the Monsampolo del Tronto Mummies: Analysis, Restoration and Conservation
15.30 – 15.50	C. Pelosi The "restoration of the restoration" on the wall paintings of Room E in the Roman <i>Domus delle Pitture</i> of Volsinii: analysis of the materials and degradation patterns
15.50 – 16.10	L. Es Sebar In-situ diagnostic campaign on outdoor bronze artworks

16.10 – 16.45	Coffee Break
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16.45 – 18.00 Sessione Poster - Aula Cannizzaro

Aula Magna [Technical talks]	Sessione tecnici/sponsors Chairs: D. Magrini, L. Panzeri
16.45 – 17.00	L. Laudi Testo S.p.A. Protecting and monitoring works of art - even remotely
17.00 – 17.15	C. Vailati Bruker Italia S.r.l. Bruker Nano Analytics, Company Presentation
17.15 – 17.30	A. Cipolla Metrohm Italiana S.r.l. Raman Spectroscopy in Archaeometry
17.30 – 17.45	G. Bulla JEOL (ITALIA) S.p.A. Pioneers of the progress and innovation since 1949
17.45 – 18.00	A. Cosentino (CHSOS) The CHSOS technical photography kit, all-you-need for UV-VIS-IR photography

18.00 – 20.00 Assemblea Annuale dei Soci AIAr – Aula Magna

21.00	Cena Sociale
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Venerdì 21 aprile 2023

Aula Cannizzaro

8.30 – 9.30 Registrazione dei partecipanti

Aula Magna

9.30 – 10.15 *Plenary Lecture*

Gianluca Quarta - *Università del Salento*

Recent developments in AMS radiocarbon dating (introduce Anna Gueli)

10.15 – 10.45

Coffee Break

10.45 – 12.25 Sessioni Parallele

Aula Magna		Sessione orale 11: Diffusione e Divulgazione nei Beni Culturali/Interazione Uomo-Ambiente Chairs: G. Paladini, A. Re
10.45 – 11.05	M. Di Fazio	#ScienzeABC: pills of digital knowledge to tell the Sciences Applied to Cultural Heritage
11.05 – 11.25	C. Ricci	Buddha ¹⁰ : study and conservation of seven Buddhist painted sculptures as a bridge between East and West
11.25 – 11.45	F. Caridi	Assessment of the natural radioactivity content in pigments and estimation of radiological health risks
11.45 – 12.05	L. Canesi	Pre-Hispanic Stelae of the Archaeological Site of Oxpemul, Mexico: Material Characterization and Damage Assessment due to Climate Impact

Aula Accademia Peloritana dei Pericolanti		Sessione orale 12: Conservazione Preventiva e Restauro Chairs: L. Randazzo, N. Rovella
10.45 – 10.55	D. Molina Konica Minolta Sensing Europe	[Technical talk] - Portable and Compact Hyperspectral Imaging: A Powerful instrumentation for Investigating Museum Objects and Unveiling the Secrets of Medieval Textiles
10.55 – 11.15	S. Longo	Six-year long monitoring of green bio-consolidants products applied to natural porous stones
11.15 – 11.35	G. Marsiaj	Assessment of low-temperature atmospheric pressure plasma treatments of natural and synthetic varnish
11.35 – 11.55	A. Bergomi	Indoor and outdoor comparison of particulate matter monitoring systems aimed at the safeguard of cultural heritage
11.55 – 12.05	M. Gironda Bruker Italia S.r.l.	[Technical talk] - Bruker Solutions, Novelties and Updates

12.15 – 13.00 Premiazioni e Chiusura dei Lavori – Aula Magna

14.00 – 19.00

Visita Guidata nell'area archeologica di Tindari

Sessione poster

BIOARCHEOLOGIA (B)
CARATTERIZZAZIONE E DIAGNOSTICA (C&D)
CONSERVAZIONE E RESTAURO (C&R)
DIGITALIZZAZIONE 3 D E NUOVI LINGUAGGI DELLA RAPPRESENTAZIONE DEL PATRIMONIO CULTURALE (D&N)
INTERAZIONE UOMO – AMBIENTE (U&A)
MATERIALI INNOVATIVI E NANOTECNOLOGIE PER I BENI CULTURALI (M&N)
PROVENIENZA E DATAZIONE (P&D)
TUTELA E VALORIZZAZIONE (T&V)

Cod.	Autori	Titolo Contributo
C&D-P1	F. Caridi, V. Crupi, P. Faenza, D. Majolino, G. Paladini, V. Venuti	Spectroscopic analysis of bronze sculptures by Giuseppe Renda
C&D-P2	C. Torre, L. De Giorgi, D. F. Barbolla, G. Leucci	Diagnosis on prehistoric karstic cave using integrated geophysical methods
C&D-P3	S. Pagano, C. Germinario, A. Lepore, F. Pesando, M. Giglio, M. Mercurio, C. Grifa	The painted plasters of the temple of Cupra Marittima (AP, Central Italy) in its first arrangement
C&D-P4	C. Girotto, E. Bridi, S. Dilaria, C. Previato, J. Bonetto, C. Mazzoli	The exploitation of the stone resources of North-Eastern Italy in the Roman Age
C&D-P5	F. Foresta Martin, A. Russolillo, P. Talamo, V. Sapia, V. Materni, M. Pischiutta, A. Merico, S. de Vita	Detecting a Hidden Fortification System at “Faraglioni” Middle Bronze Age Village of Ustica Island (Palermo, Italy)
C&D-P6	A. Re, M. Marabotto, L. Vigorelli, A. Alessio, L. Guidorzi, C. Donazzolo, A. Lo Giudice, F. Picollo, M. Truccato	A multi-technique setup based on a liquid anode X-ray source for the non-invasive characterization of materials
C&D-P7	M. Laureati, G. Roselli, G. Di Girolami, P. Cinaglia, S. Campanelli	Historic Vehicles Preservation: A Diagnostic Approach
C&D-P8	S. Lupparelli, A. Delpriori, G. Roselli, G. Di Girolami, P. Cinaglia, S. Campanelli	The painting on wood: the artistic technique in the <i>Annunciation</i> of Spermento by Giovanni Angelo d'Antonio
C&D-P9	S. Caglio, L. Santoro, F. Rizzo, F. Borsari, J. Orsilli, A. Galli	Non destructive analysis of Bronze Patina

C&D-P10	E. Segabinazzi, T. Salvatici, <u>S. Calandra</u> , I. Centauro, C. A. Garzonio	Sonic test for decay assessment of historical stone coat of arms
C&D-P11	F. Stella Mosimann, C. Sbrolli, S. Dilaria, M. Secco, A. Favero, P. Basso, G. De Zuccato, M. Salvadori	Multi-analytical characterization of wall-paintings from the Roman <i>villa</i> of Negrar di Valpolicella (Verona, Italy)
C&D-P12	M. L. Saladino, C. Paolillo, F. Armetta, D. Giuffrida, A. Arcovito, M. Consolo, P. Giulierini, F. Miele, R. C. Ponterio	Brightness under the ashes: a compositional analysis of “Ori e gemme di Pompei”
C&D-P13	M. F. Alberghina, A. F. Castello, M. Labriola, M. La Russa, G. Montana, L. Randazzo, S. Schiavone, M. Sebastianelli	The Tribune of the Mother Church of Ciminna (Sicily): a multianalytical study of stuccos by Li Volsi workshop
C&D-P14	L. Guidorzi, L. Vigorelli, R. Quaranta, E. Fissore, T. Nozaka, A. Seike, J. Ryan, J. Mitsumoto, N. Matsumoto, M. Gulmini, M. Magalini, A. Lo Giudice, A. Re	Micro-Computed Tomography for the analysis of Japanese pottery
C&D-P15	M. Magalini, M. Labate, G. Pellis, Y. L. Santos, L. Guidorzi, A. Lo Giudice, P. Davit, M. Gulmini, T. Nozaka, A. Seike, J. Ryan, J. Mitsumoto, N. Matsumoto	Non-invasive characterisation of Japanese pottery from the Tatetsuki burial mound (Okayama prefecture, Japan)
C&D-P16	C. Ricci, A. Piccirillo, E. L. Ravan, P. Davit, M. Gulmini	Microchemical tests support conservation: a focus on paper
C&D-P17	Y. Wang, <u>L. Fabrizi</u> , R. Manca, E. Vanni, F. Barthélemy, F. Cambi, M. Benvenuti	Petrographic and mineralogical investigation of the roman amphorae from the site of San Marco and the wreck of Sant'Andrea (Island of Elba)
C&D-P18	O. Yatsuk, G. Fiocco, M. Malagodi, A. Re, A. Lo Giudice, C. Iaia, M. Gulmini	An insight into glass compositions of Iron Age glasses in the collection of “Gaetano Chierici” museum in Reggio Emilia
C&D-P19	V. Vecchio, M. L. Saladino, F. Armetta, D. Costanzo, C. Malacrino, V. Mollica Nardò, R. C. Ponterio, B. Fazzari	Crystallographic and petrographic characterization of two architectural terracottas from the sanctuary of Marasà (Locri)
C&D-P20	J. La Nasa, S. Pizzimenti, E. Poggetti, I. Degano, <u>F. Modugno</u>	Investigation of street art contemporary murals in the PRIN Project “SUPERSTAR - Sustainable Preservation Strategies for Street Art”: analytical pyrolysis for the characterization of paint materials
C&D-P21	B. Vitale, G. Berruto, E. Diana, R. Giustetto, V. Gugliermina, P. Croveri, V. Meirano, M. Demmelbauer, P. Manchinu	Characterization of <i>bronze disease</i> for conservation purposes

C&D-P22	I. Díaz-Ramos, G. Artioli	Reviewing and integrating methods for the conservation of European architectural finishes in urban heritage townscapes
C&R-P1	S. D'Amico, L. Galone, E. Colica	Combining geophysical measurements, remote sensing techniques and satellite images to protect cultural heritage in a sandy beach environment
C&R-P2	I. Luconi, F. Volpintesta, A. Malpiedi, E. Paris	Artificial weathering and consolidation techniques of some Central Italy building stones
C&R-P3	S. Dilaria, M. Secco, M. Pilutti Namer, C. Tomaini, D. Valenti, C. Rossi	The Byzantine wall mosaics of the First Church of San Nicolò del Lido (11th c. AD). Characterization of mortars, pigmented <i>sinopia</i> and stone <i>tesserae</i>
C&R-P4	C. Lee, F. Di Turo, B. Vigani, M. L. Weththimuni, S. Rossi, F. Beltram, P. Pingue, M. Licchelli, M. Malagodi, F. Volpi, G. Fiocco	Sodium Alginate and Konjac Glucomannan gels for cleaning smooth and rough musical instruments' wooden surfaces
C&R-P5	M. Musella, F. Tucci, D. Barca	The funerary monument of Francesco Campitelli, Earl of Melissa (KR- Italy)
C&R-P6	M. Musella, M. Ricca, S. Minervino, D. Barca	The funeral monument of Francesco Scarlato (1898). Diagnostic investigations for knowledge and restoration
C&R-P7	M. Musella, M. Giacco, S. Mirabito, D. Barca	Diagnostics applied to archaeological cultural heritage. The mosaics of the Roman Villa of Palazzi di Casignana (RC)
C&R-P8	M. Luci, R. Haider Alì, F. De Leo, D. De Pascale, N. Ruocco, C. Galasso, M. Ricca, C. Urzì, M. La Russa, S. Ruffolo, S. Lo Schiavo	CRIMAC_UNALTERABLE PROJECT: New generation coatings to prevent fouling of underwater cultural heritage
C&R-P9	C. A. Lombardi, M. Borelli, A. Bergomi, P. Fermo, V. Comite, A. M. Gueli, C. Trigona	Living Sensors based on <i>Sansevieria Cylindrica</i> for Microclimate Monitoring in the Santuario della Beata Vergine dei Miracoli
C&R-P10	C. Vadalà, M. F. Alberghina, M. F. La Russa, L. Randazzo, M. Ricca, S. A. Ruffolo, S. Schiavone	The <i>Branciforti</i> embroidery at the <i>Palazzo dei Normanni</i> in Palermo: the ongoing conservative activities and the investigations to characterize the original materials and past restoration
D&N-P1	L. Vigorelli, C. Donazzolo, F. Tansella, G. Ricchiardi, A. Re, S. Grassini, A. Lo Giudice	Application of Dimensional X-ray Tomography principles to the study of Cultural Heritage
D&N-P2	S. Croci, L. Es Sebar, L. Lombardo, P. Buscaglia, S. Grassini, C. Ricci	Multispectral 3D models for monitoring in conservation of wooden statues

D&N-P3	<u>D. Giuffrida</u> , F. Armetta, M. L. Saladino, O. Adinolfi, M. De Crescenzo, L. Sole, R. C. Ponterio	Data acquisition for <i>Nummi Digitali</i> , a project for the fruition of the numismatic collection preserved at the Salinas Museum in Palermo
D&N-P4	<u>A. Vietti</u> , M. Parvis, M. Latino, N. Donato, S. Grassini, L. Lombardo	Visible and UV RTI imaging system for Cultural Heritage
U&A-P1	<u>L. Vergelli</u> , F. Frasca, G. Boccacci, B. Bartolucci, G. Favero, C. Bertolin, A. Nucara, A. M. Siani	Acetic acid and cellulose acetate films: artificial ageing and preliminary risk assessment of climate-induced impact
U&A-P2	<u>L. Germinario</u> , I. Moro, M. Munari, C. Mazzoli	How will climate change impact underwater stone heritage?
M&N-P1	<u>L. Ferrazza</u> , D. J. Barber, M. ^a T. Pastor Valls	Evaluation of the applicability of non-toxic and eco-sustainable products for the conservation of pictorial surface
P&D-P1	<u>L. Bonizzoni</u> , A. Francesconi	Methods and instruments for the origin determination of ceramic artefacts. The case study of <i>Laus Pompeia amphorae</i> (I B.C.-I A.D.)
P&D-P2	<u>P. Santi</u> , A. Renzulli, F. Veneri, G. Tonelli, M. Tramontana	Insights into the most used carbonatic building stone in the historical centre of Urbino (Bugarone Group Formation, central Apennines)
P&D-P3	<u>P. Santi</u> , A. Renzulli, F. Veneri, G. Tonelli, M. Tramontana, M. Taussi, G. Quarta	Geological insights on the calcareous tufa (<i>Pietra Sponga</i>) used as building and ornamental stones in the UNESCO historical centre of Urbino (Marche, Italy)
P&D-P4	<u>S. Vettori</u> , E. Cantisani, F. Di Benedetto, A. Buccianti, T. Ismaelli, G. Scardozzi	Provenance discrimination of the white marbles from the ancient quarries in the region of Hierapolis and in the southern sector of the Denizli basin (Turkey)
T&V-P1	<u>M. P. Albanese</u> , A. Taliano Grasso, M. F. La Russa, M. F. Albreghina, M. Ricca	Multidisciplinary approach for the characterization of authentic and false ceramics: an analytical protocol for their discrimination
B-P1	<u>M. Stanzione</u> , P. Aurino, B. Albanese	From a bioarchaeological record, the reconstruction of the eating habits of a Bronze Age settlement in Acerra (NA): two dough fragments referable to the making of wholemeal bread and a unicum for the combination of charred cereal remains on a turtle carapace fragment for the making of a soup