
POSTER SESSION 1: MONDAY 27 APRIL 2015

ID	Title	Authors
P1-1	Preliminary practical Scientific Study on Faience Amulets excavated from Giza storeroom related to late period and stored at grand Egyptian Museum Conservation Center	Israa Mohamed Ibrahim Saied, Nesrien Mohamed Atef Kharboosh, Shimyaa Mahmud Omar Soliman and Jasmine Shabban Abs El Aziz
P1-2	Potential of SEM-EDX for the analysis and characterization of different material belonging to historic buildings	Laura Scrano, Sergio Sasso, Giuseppe Ferlazzo, Sabino Aurelio Bufo and Rocco Laviano
P1-3	Non-destructive testing of stone biodeterioration and biocleaning effectiveness	Sergio Sasso, Ana Zelia Miller, Miguel Angel Rogerio-Candellera, Beatriz Cubero, Laura Scrano, Sabino Aurelio Bufo and Cesareo Saiz-Jimenez
P1-4	SEM-EDX: a powerful analytical method in the service of conservation science	Farkas Pintér
P1-5	Rotated axial stage tool for documentation of the pharaoh Tutankhamen 's decorated sticks	Eman Nabil, Medhat Abdalla and Ahmed Abdrabou
P1-6	Non-destructive investigation of pigments by Raman spectroscopy: the case of "Villa dei Quintili" (Rome, Italy).	Vincenza Crupi, Valentina Allodi, Giuliana Galli, Mauro Francesco La Russa, Francesca Longo, Domenico Majolino, Gino Mariotto, Barbara Rossi, Silvestro Antonio Ruffolo, Valentina Venuti and Antonino Pezzino
P1-7	Pb correction algorithms for non-destructive provenancing of lead and tin glazed slip wares	Detlef Wilke
P1-8	Graffiti cleaning by mechanical, chemical and laser methods: a comparison	Jose Santiago Pozo Antonio, Teresa Rivas-Brea, Paula Fiorucci, Ana Jesús López-Díaz and Alberto Ramil
P1-9	Evaluation by multispectral techniques of the laser cleaning progress: application to the removal of graffiti in granites.	Jose Santiago Pozo Antonio, Alberto Ramil, Ana Jesús López-Díaz, Paula Fiorucci and Teresa Rivas
P1-10	The modernistic Nondestructive Analysis and Examinations Methods applied on faience Amulets Related to Late Period storage at Grand Egyptian Museum_ conservation center	Israa Saied, Nesrien Mohamed Atef Kharboush Mohamed Atef Kharboush, Shima Mahmoud Omar Mahmoud Omar and Yasunori Matsuda Matsuda
P1-11	What is next on new Grand Egyptian Museum: Current Activity of its Conservation Center	Israa Saied and Yasunori Matsuda Matsuda
P1-12	Macro-XRF for examination of medieval wood panel painting – an example of application	Piotr Targowski, Justyna Olszewska-Świetlik and Bogumiła J. Rouba
P1-13	Analytical characterisation of ZnO Coated Nanoparticles Based on Acrylic Copolymer for Protecting Historic Calcareous Stone Monuments.	Sayed Ahmed, Nagib Elmarzugi, Hussien Kamal and Wael Mohamed
P1-14	Portuguese tin-glazed earthenware from the 17th century: a spectroscopic characterization of pigments, glazes and pastes of the three main production centres.	Luís Filipe Vieira Ferreira and Isabel Ferreira Machado

P1-15	Detection and Analysis of the Relics from the Linjiangerdui Zinc Smelting Site in Chongqing, China	Wugan Luo, Di Mou, Dadi Li and Jiujiang Bai
P1-16	Analyze the portrait oil on canvas of Coronel Antonio Joaquim de Souza Pinheiro (1838 – 1905)	Marli Marcondes and A. Neiva
P1-17	Identification of Official Rhubarb Samples by THz-TDS and Chemometrics Methods	Zhuoyong Zhang, Yi Liao, Zhenwei Zhang, Yuhong Xiang and Peter Harrington
P1-18	Deterioration estimation of Artworks by means of a novel 3D-Hyperspectral Imaging System	Vassilis Papadakis, Roger Groves, Vivi Tornari, Cristina Portales, Albert Berreman, Jan Vermeiren, Jon Ward and Emilio Ribes-Gómez
P1-19	When art, nature and science meet: fish occurrence and baselines	Alpina Begossi and Rodrigo Caires
P1-20	Non-Destructive Testing in cultural heritage by using Active infrared thermography technology	Dongmei Zhao, Yong Lei, Wanping Jin, Zhenwei Zhang, Ningchang Shi, Guan Wang and Cunlin Zhang
P1-21	Terahertz Tomography for Oil Painting	Zhenwei Zhang, Yong Lei, Yuanmeng Zhao, Chenyu Li, Ningchang Shi, Zhuoyong Zhang, Cunlin Zhang and An Gu
P1-22	Examination, Conservation and analysis of composed Egyptian Ibis Statue	Shimaa Mahmoud and Yasunori Matsuda
P1-23	Analysis of pink discolouration on frescoes from Hurezi Monastery, Romania	Ioana Gomoiu, Dan Mohanu, Ileana Mohanu, Madalin Enache, Cristina Serendan and Roxana Cojoc
P1-24	A Study on the Ancient Zinc Smelting Sites in Chongqing, China	Birui Xiao and Yin Yin Zhou
P1-25	Comparison of Different Techniques for the Analysis of a Pigment Mixture	Renato Pereira Freitas
P1-26	The characterisation of Jawoyn rock art paintings in Arnhem Land, Australia using synchrotron infrared microspectroscopy	Alexandria Hunt, Barbara Stuart, Paul Thomas, Daniel James, Bruno David, Jean-Michel Geneste and Jean-Jacques Delannoy
P1-27	Unveiling Chinese red dyes through the centuries with quadrupole-time-of-flight mass spectrometry	Man-Wai Tang and Wing-Fai Lai
P1-28	Comparative use of XRF and micro-XRF for in situ investigation of cultural heritage materials	Claudia Polese, Adolfo Esposito, Marco Ferretti, Astrik Gorghinian, Cecilia Bartùli, Dariush Hampai and Sultan Dabagov

P1-29	Comparison of different tomographic setups for the morphological analysis of ancient violins	Diego Dreossi, Alberto Giordano, Josef Kaiser, Nicola Sodini, Franco Zanini and Tomas Zikmund
P1-30	Tin determination in fistulae seals from Conimbriga and Augusta Emerita	Susana Sousa Gomes, Pedro Valério, Maria Fátima Araújo, António Monge Soares and Virgílio Hipólito Correia
P1-31	Glass Decorations of the Volga Region of the 10 –15th cc.: the Origin and Chronology	Svetlana Valiulina
P1-32	Air pollution impact on Mediterranean architectural heritage built in limestone: Constant wavelength synchronous fluorescence analysis of PAHs in black crusts	Hicham Hassoun, Salim Foudeil, Taibi Lamhasni, Saadia Ait Lyazidi, Mustapha Haddad, Alessandra Bonazza, Nadia Ghedini and Cristina Sabbioni
P1-33	Substrate analysis and preservation state assessment of Roman mosaic pavements located at the ancient hill of Pnyka towards the Acropolis of Athens.	Ekaterini Ftikou, Panagiotis Theodorakeas, Eleni Cheilakou and Maria Kouli
P1-34	Degradation of Cellulosic Materials by Gamma Radiation	Klara Drabkova, Alena Hostasova, Katerina Salkova and Michal Durovic
P1-35	Analytical survey of pigment alteration in paintings by Norwegian artist Edvard Munch (1863-1944)	Alyssa Hull and Jin Ferrer
P1-36	Evaluation of portable Raman spectroscopy and handheld X-ray fluorescence spectroscopy for the analysis of glyptics	Debbie Lauwers, Alessia Coccato, Jose Mirao, Peter Vandenberghe and Antonio Candeias
P1-37	Analysis of Roman mural paintings from Germany	Rafaela Debastiani, Rolf Simon, Stefan Heißler, Andrea Wähning, Markus Meinen, Peter Henrich and Tilo Baumbach
P1-38	Non-destructive testing to track Cyclododecane Crystallization and the Effects of Crystal Formation on Fragile Porous Substrates	Nicole Peters, Aaron Shugar, Lucy Skinner and Rebecca Ploeger
P1-39	Biocides Based on Nanosilver – Efficiency and Influence on Silk	Marketa Skrdlantova, Klara Drabkova and Jan Krejci
P1-40	Identification of Art Materials by Non-invasive Reflection-FTIR – Do We Really Need Specific Databases?	Wilfried Vetter and Manfred Schreiner
P1-41	Microscopic techniques (SEM) and analytical approach to characterise painting materials and technique of the wooden frames in Sicily.	Claudia Pellerito, Rachele Lucido, Mauro Sebastianelli and Bartolomeo Megna
P1-42	Microanalysis of a Frank Lloyd Wright historic floor tile from the Graycliff Estate, Derby, N.Y.	Rebecca Ploeger, Aaron Shugar and Scott Selin

P1-43	A novel XRF methodology based on the variation of the irradiation-detection geometry for the study of an easel painting's stratigraphic distribution of pigments	F. Mederos-Henry, A. Camacho and J.L. Ruvalcaba-Sil
P1-44	²⁹ Si and ¹ H NMR investigation on the interaction between two anti-graffiti coatings and a granite	Paula Carmona-Quiroga, Maria Teresa Blanco-Varela, Isabel Sobrados and Sagrario Martinez-Ramirez
P1-45	Evaluation of pictorial layers ageing by HyperSpectral Imaging	Giuseppe Bonifazi, Giuseppe Capobianco, Fernanda Prestileo and Silvia Serranti
P1-46	A new approach to the determination of pigments nature	María Luisa Franquelo and Jose Luis Perez-Rodriguez
P1-47	The silver and gold coinage in Sicily from the Greek civilization to the Norman domination: a nondestructive survey with X-ray based techniques at the collection of the "Paolo Orsi" Archeological Museum in Syracuse	Roberto Catalano, Rosalba Amato, Claudia Caliri, Gioconda Lamagna, Angela Maria Manenti, Andrea Orlando, Lighea Pappalardo, Francesca Rizzo, Francesco Paolo Romano, Stefania Santangelo and Hellen Cristine Santos
P1-48	Neolithic and Copper Age pottery from the Trieste Karst: a multi-analytical approach	Federico Bernardini, Angelo De Min, Davide Lenaz, Ariadna Mendoza Cuevas, Alessandra Gianoncelli, Diego Dreossi, Claudio Tuniz and Manuela Montagnari Kokelj
P1-49	THz pulse-echo imaging of Japanese wall painting	Kaori Fukunaga, Yohsei Kohdzuma, Masahide Inuzuka and Toru Tateishi
P1-50	Non-destructive compositional investigation of historical enamels by combining portable alpha-PIXE and XRF imaging techniques	Hellen C. Santos, Claudia Caliri, Roberto Catalano, Giada Mascali, Andrea Orlando, Lighea Pappalardo, Francesca Rizzo and Francesco P. Romano
P1-51	The effects of firing temperature on the ceramic body morphology: experimental study by X-ray μ CT	Giulia Ricci, Elisabetta Zendri, Laura Falchi, Maria Pia Morigi, Eva Peccenini, Rosa Brancaccio and Matteo Bettuzzi
P1-52	Calcium sulphate fillers and binders in 15th and 16th centuries Portuguese ground layers from a familiar painting workshop	Vanessa Antunes, António Candeias, Maria José Oliveira, Mercês Lorena, Ana Isabel Seruya, Maria Luísa Carvalho, Stéphane Longelin, Luís Dias, João Coroado, Virgínia Gomes and Vítor Serrão
P1-53	Diagnosis of modern tracing papers and felt-tip pen inks for the conservation of architecture drawings: Lina Bo Bardi's materials	Antonio Mirabile, Patrizia Moretti, Federica Presciutti, Noemi Mancinelli, Laura Cartechini, Antonio Sgamellotti and Costanza Miliani
P1-54	A multi-spectroscopic study of German Ceramic sherds	Giulia Ricci, Elisabetta Zendri, Eleonora Balliana, Danilo Pedron and Luisa Caneve
P1-55	The use of non invasive micro-Raman, FT-IR and SEM-EDX Analyses to study Armenian illuminated manuscripts	Yeghis Keheyann and Pietro Baraldi
P1-56	ATR-FTIR spectroscopy and quantitative multivariate analysis of paints and coating materials	Signe Vahur, Philippa Hayes and Ivo Leito

P1-57	Diagnostic investigation for the study of the fresco titled "Madonna con il bambino", in Cosenza, southern Italy: a case study	Valeria Comite, Cristina Maria Belfiore, Mauro Francesco La Russa, Silvestro Antonio Ruffolo and Gino Mirocle Crisci
P1-58	Complete mapping of the tattoos of the 5300 year old Tyrolean Iceman	Marco Samadelli, Albert Zink, Marcello Melis, Matteo Miccoli and Eduard Egarter Vigl
P1-59	A scientific and archaeological investigation on Roman glass artifacts unearthed in Japan	Tomomi Tamura and Katsuhiko Oga
P1-60	Theoretical aspects of physical-chemical parameters for the correct conservation of mummies on display in museums and preserved in storage rooms	Marco Samadelli, Graziella Roselli, Vito C. Fericola, Ludwig Moroder and Albert Zink
P1-61	Production technology of Hispano-Moresque ceramic tiles belonging to Portuguese and Spanish collections	Susana Coentro, Cátia Relvas, Jaume Coll, José Mirão, Teresa Ferreira and Vânia Muralha
P1-62	The discovering of new markers for archaeometric purposes: EGA-MS and GC/MS investigation on wood and bark pitch replica	Sibilla Orsini, Jeannette Jacqueline Łucejko, Erika Ribechini and Maria Perla Colombini
P1-63	Optimization of TXRF for the analysis of paint samples	Alessia Coccato, Anastasia Rousaki, Luc Moens and Peter Vandenebeele
P1-64	Geochemical study of Roman glass mosaic tesserae from the archaeological site of "Villa dei Quintili" (Rome, Italy)	Donatella Barca, Elena Basso, Danilo Bersani, Giuliana Galli, Claudia Invernizzi, Mauro Francesco La Russa, Pier Paolo Lottici, Marco Malagodi and Silvestro Antonio Ruffolo
P1-65	Determination of the manufacturing methods of Indian swords through neutron diffraction	Francesco Grazzi, Alessio De Francesco, Elisa Barzagli, Antonella Scherillo, Alan Williams, David Edge and Marco Zoppi
P1-66	Identification of Gesso Scagliola in The Tomb of the royal family (Muhammad Ali) at El Imam El Shafie area.	Mohamed Hawash and Hala Mahmood
P1-67	Infrared Reflectography imaging for archaeological pottery investigation	Peppino Sapia, Diana Renzelli, Federica Sirianni, Assunta Bonanno, Antonino Oliva, Rocco Purri and Gregorio Aversa
P1-68	The archaeological waterlogged wood from the Neolithic village of "La Marmotta" (Rome, Italy): a study of lignin oxidation by mass spectrometric techniques	Diego Tamburini, Jeannette Jacqueline Łucejko, Erika Ribechini and Maria Perla Colombini
P1-69	Gilded copper studied by non-destructive Energy-dispersive X-ray fluorescence	Roberto Cesareo, Angel Bustamante, Julio Fabian, Sandra Zambrano Alva, Regulo Franco Jordan, Arabel Fernandez and Stefano Ridolfi
P1-70	Spherical scanning system for Infrared Reflectography	Marco Gargano, Duilio Bertani, Francesco Cavaliere, Nicola Ludwig and Daniele Viganò

P1-71	Stability of synthetic ultramarine blue pigment in modern paints: Influence of UV light	Valentina Pintus and Manfred Schreiner
P1-72	Examination, Conservation and analysis of composed Egyptian Ibis Statue	Shimaa Omar and Yasunori Matsuda
P1-73	THz spectra of seven red mineral pigments used in ancient Chinese artworks	Yuping Yang, Zhenwei Zhang and Cunlin Zhang
P1-74	Non-Invasive Archeological Prospecting Using Ground Penetrating Radar (GPR) in Cerro del Teúl and Tamtoc, Mexico	Becket Lailson, Karla Castro, Nicolás Caretta, Peter Jiménez, Laura Solar and Estela Martínez
P1-75	Pigment Characterization Using SEM and EDS on Pseudo-Cloisonné Ceramics from Western and North-Central Mexico	Karla Castro, Becket Lailson, Gerardo Villa, Guillermo Córdova and Ana Pelz
P1-76	Spectroscopic investigation of Phtalocyanines by time resolved LIF and XRF analysis.	Cristina Cicero, Marco Marinelli, Massimo Marinelli, Fulvio Mercuri, Noemi Orazi, Stefano Paoloni, Martina Romani, Gianluca Verona Rinati and Ugo Zammit
P1-77	Hyperspectral imagers for cultural heritage: a comparative study between remote-sensing and short-distance devices	Costanza Cucci, Andrea Casini, Lorenzo Stefani, Marcello Picollo, Leandro Chiarantini, Barbara Sereni, Francesco Butera, Carlo Bencini, Nicola Alessi and Alberto Melani
P1-78	Non-destructive investigation of pigments in painted terracotta of architectural buildings and votive figurines manufactured in Greek Sicily	Andrea Orlando, Claudia Caliri, Roberto Catalano, Gioconda Lamagna, Angela Maria Manenti, Giuseppina Monterosso, Giada Mascali, Agostina Musumeci, Lighea Pappalardo, Francesca Rizzo, Francesco Paolo Romano and Hellen C. Santos
P1-79	A multi-analytical approach to study foxed papers from the XVIII and XX centuries	Cátia Relvas, Margarida Nunes, Marta Manso, Pedro Barrulas, Catarina Miguel, Maria Luísa Carvalho, Ana Teresa Caldeira, Francisca Figueira and Teresa Ferreira
P1-80	Study of cellulose acetate photographic negatives	Cátia Coelho, Cátia Relvas, Ana Teresa Caldeira and Teresa Ferreira
P1-81	SEM-EDX analysis of transferred wall painting to determine original painting technique	Núria Oriols Pladevall, Johann Osmond and Paz Marqués
P1-82	Solid state NMR analysis of bio-materials used for renovation of historic buildings: the study of hemp mortars	Anna Arizzi, Donatella Capitani, Valeria Di Tullio and Noemi Proietti
P1-83	Micro-Raman on flax fibers: ageing fingerprints in spectra	Letizia Bonizzoni, Silvia Bruni, Giulio Fanti, Paolo Tiberio and Chiara Zaffino
P1-84	Compositional study and provenance of Dressel 2-4 amphorae and ceramic materials from Cariati (Calabria - Southern Italy)	Domenico Miriello, Andrea Bloise, Raffaella De Luca, Carmine Apollaro, Gino Mirocle Crisci, Salvatore Medaglia and Armando Taliano Grasso

P1-85	Investigation on the effect of γ -radiation on the stability of watercolor paintings	Alena Hostašová, Klára Drábková, Petra Čadková and Michal Ďurovič
P1-86	Non-destructive investigation of historical precious metals coins	Grigoriy Shuvalov, Ekaterina Nistratova and Vladimir Buzin
P1-87	A multi-analytical approach applied to the archaeometric study of mortars taken from The Forty Martyrs rupestrian complex in Cappadocia (Turkey)	Natalia Rovella, Mauro Francesco La Russa, Silvestro Antonio Ruffolo, Claudia Pelosi, Daniele Rossi, Michele Benucci, Giuseppe Romagnoli, Valentina Emanuela Selva Bonino and Antonella Casoli
P1-88	Applications of Fourier-Transform Infra-Red Spectroscopy to Archaeological Research	Luca Benedetti, Angela Berloff, Davide Bottone, Gloria Ischia, Camilla Saler and Stefano Gialanella
P1-89	Gellan hydrogel as a diagnostic and cleaning tool for paper artworks: a case study	Laura Micheli, Claudia Mazzuca, Eleonora Cervelli, Raffaella Lettieri, Elisa Bartolini, Giuseppe Palleschi and Antonio Palleschi
P1-90	Vibrational spectroscopy and chemometrics for the non-invasive discrimination of azo pigments and metal complexes	Francesca Gabrieli, Manuela Vagnini, Brenda Doherty, Brunetto G. Brunetti and Costanza Miliani
P1-91	Non-destructive XPS surface analysis in cultural heritage – surface composition of ancient brass instruments	Federica Cocco, Marzia Fantauzzi, Bernhard Elsener and Antonella Rossi
P1-92	Investigation on consolidation materials for paint on iron	Gunn Pöllnitz, Rita Wiesinger and Manfred Schreiner
P1-93	A multi-analytical study of an ancient nubian detached mural painting	Valeria Di Tullio, Noemi Proietti, Donatella Capitani, Federica Presciutti, Gennaro Gentile and Brunetto Giovanni Brunetti
P1-94	Multiscale porosimetric description of pore network in building stones	Valeria Di Tullio, Germana Barone, Donatella Capitani, Noemi Proietti, Paolo Mazzoleni, Simona Raneri and Alessandro Giuffrida
P1-95	Diffusion and exploitation of artistic and cultural properties using the new geomatics technologies.	Vincenzo Barrile, Giuseppe Meduri and Antonino Nunnari
P1-96	Palimpsest manufacture: effects on the ink fingerprint.	Ira Rabin, Zina Cohen, Emanuel Kindzorra, Leif Glaser, Tomasz Lojewski and Oliver Hahn
P1-97	Rubia tinctorum L. compounds involved in dyeing processes	Ilaria Serafini, Marcella Guiso, Ulderico Santamaria and Armandodoriano Bianco
P1-98	Analysis of gold objects from the archaeological museum of Taranto by energy-dispersive x-ray fluorescence	Roberto Cesareo, Giovanni Buccolieri, Alfredo Castellano and Antonietta Dell'Aglio

P1-99	Portable Raman Spectroscopy for the Evaluation of Parchment Degradation	Federica Cappa and Manfred Schreiner
P1-100	SEM-EDS, XRD and Raman spectroscopy applied to the characterization of black crust formation on sandstone from La Galea Fortress	Hector Morillas, Iker Marcaida, Maite Maguregui, Iker Arrizabalaga and Juan Manuel Madariaga
P1-101	TXRF and ion beam analysis of old coins and metallized fabric	Vladimir Egorov, Evgeniy Egorov, Alexey Osipkov and V. Bashkov
P1-102	THz time-domain and infrared spectroscopy investigating the drawing media	Jordanka Tasseva, Jana Striova, Cristiano Riminesi, Raffaella Fontana, Paolo Bartolini, Andrea Taschin, Marco Barucci and Renato Torre
P1-103	The use of handheld XRF for pigment analysis in complex paint structures - benefits of an interdisciplinary exchange	Susanne Kaun and Hanne Moltubakken Kempton
P1-104	Inverse Calibration Free-LIBS of bronze artefacts of the "Torre di Satriano" archaeological site	Antonella Smaldone, Angela De Bonis, Massimo Osanna, Antonio Santagata, Barbara Serio and Roberto Teghil
P1-105	The use of Neolithic flint-stone fragments as fire strikers: analytical evidences	Tiziana Lombardo, Marie Wörle, Anna Kienholz and Daniel Grolimund
P1-106	Synchrotron radiation based X-ray absorption and X-ray fluorescence for art and cultural heritage: opportunities and pitfalls	Josef Hormes
P1-107	Durability and impermeability investigations in historic mortars and plasters from Late Mughal period site of Begumpura, Lahore	Saima Gulzar and Jean-Pierre Burg
P1-108	Analysis of Sicilian Amber by ¹³ C Solid state NMR and Raman Spectroscopy	Noemi Proietti, Germana Barone, Donatella Capitani, Valeria Di Tullio and Paolo Mazzoleni
P1-109	Induced luminescence imaging: a user-friendly method based on a system of interchangeable and tunable LED light sources	Alessia Daveri, Francesca Nucera, Michela Azzarelli, Manuela Vagnini, Aldo Romani and Catia Clementi
P1-110	The sgraffito ware from Nishapur (Iran): reconstructing the materials and technology through a multi-methodological study.	Elena Basso and Martina Rugiadi
P1-111	Evaluation of changes in the lipidic mass spectra profile of paint dosimeters by MALDI-TOF-MS	Agustín Herrera, Natalia Navas and Carolina Cardell
P1-112	Ion beam analysis of silver foils in gilt-leather wall coverings	Marie Radepont, Laurianne Robinet, Quentin Lemasson, Brice Moignard, Laurent Pichon, Claire Pacheco and Céline Bonnot-Diconne

P1-113	Using infrared data and chemometrics for the characterization of binding media in oil paintings	Marta Felix Campos, Maria João Melo and João Lopes
P1-114	Comparative analysis of Mesopotamian pottery using several instrumental techniques: XRF, ICP-MS and INAA	Jorge Sanjurjo Sánchez, Juan Luis Montero Fenollós, Maria Isabel Prudêncio, Rosa Marques and Maria Isabel Dias
P1-115	Estimating the temperature attained by fire on stone surfaces: Ciudad de Vascos (Spain)	Jorge Sanjurjo Sánchez, Miguel Gómez-Heras, Rafael Fort, Mónica Álvarez de Buergo, Ricardo Izquierdo Benito and Miguel Bru
P1-116	Environmental effects on monuments exposed in the Panamanian Climate: the Archaeological Site of Panamá Viejo	Chiara Ciantelli, Alessandra Bonazza, Yumo Ma, Paola De Nuntiis, Carmela Vaccaro and Cristina Sabbioni
P1-117	Oxidized groups kinetics in ancient paper: a non-destructive UV/Vis spectroscopic study	Adriano Mosca Conte, Olivia Pulci, Joanna Lojewska, Jacek Bagniak, Ihor Kupchak, Claudia Violante, Lorenzo Teodonio and Mauro Missori
P1-118	Investigation of biological fungicidal activity of some essential oils as preservatives for 19th- century Egyptian Coptic Cellulosic Manuscript	Eman Osman, Wafika Noshy and Maisa Mansour
P1-119	Technical and material characterization of the first known mural paintings of Saint Ignatius of Loyola life in the town of Évora (Southern Portugal)	Milene Gil, António Candeias and Luisa Carvalho
P1-120	Black crust removal from the ancient jamb of the entrance gate of Castello Svevo, Bari, Italy, by laser cleaning	Giorgio Senesi, Ida Carrara and Olga De Pascale
P1-121	Sulfur X-ray Absorption Spectroscopy of Lapis Lazuli: Implications for Provenance	Alessa A. Gambardella, Catherine M. Schmidt Patterson and Marc S. Walton
P1-122	Initial Multispectral Imaging and FORS Analyses of Louise Herreshoff's Paintings: Bringing Imaging Methodologies to Undergraduate Research and Teaching	Kathryn Dooley, John Delaney, Erich Uffelman, Patricia Hobbs, Jennifer Mass, Adam Finnefrock, Samuel Florescu, Alexandria Garcia, Mallory Stephenson, Brett Becker and Eleni Timas
P1-123	Characterization of polychrome baroque sculptures using XRF, SEM-EDS, Raman and FTIR	Iohanna Ribeiro and Renato Freitas
P1-124	Analysis of Lead Coffin and contaminated bones belonging to D. Pedro I Emperor of Brazil using EDXRF technique	Jessica Curado, Márcia Rizzutto, Pedro Campos, Elizabeth Kajija and Valdirene Ambiel
P1-125	Analysis of olive jars from a shipwreck of a Portuguese galleon (XVII century) and fragments found in archaeological excavations in Rio de Janeiro, Brazil	Cristiane Calza, Renato Pereira Freitas, Danielle Carvalho, Maria Dulce Gaspar and Ricardo Tadeu Lopes
P1-126	Archaeometric Analyses on Glass Tesserae from the Imperial Roman 'Villa degli Antonini' in the Alban Hills	Deborah Chatr Aryamontri, Greg Pope, Laying Wu and Nicholas Zarro

P1-127	Analysis of the gala carriage of the Brazilian Emperor D. Pedro II using various techniques	Cristiane Calza, Renato Pereira Freitas, Inayá Lima, Alessandra Castro Machado, Henrique Rocha, Eliane Zanatta and Ricardo Tadeu Lopes
P1-128	Hybrid-angle-energy dispersive X-ray diffraction and fluorescence portable system for non-invasive study	Ariadna Mendoza Cuevas and Jorge Fernandez-De-Cossio
P1-129	In-situ Micro-Raman spectroscopic analysis of Handprints in Maltravieso Cave (Cáceres), Spain	Sagrario Martínez-Ramírez, Diego A. Moreno, Ana M. García, Juan Carlos Aguilar and Hipólito Collado
P1-130	A multi-disciplinary investigation of the "Tavolette fuori posto" of the main hall wooden ceiling of the "Steri" (Palermo, Italy)	Maria Luisa Saladino, Stefano Ridolfi, Ilaria Carocci, Gabriella Chirco, Stefania Caramanna and Eugenio Caponetti
P1-131	XRD and SEM/EDS analysis of Palaeolithic ochre fragments from Fumane Cave (Italy)	Giovanni Cavallo, Federica Gonzato, Marco Peresani, Mariapia Riccardi and Roberto Zorzin
P1-132	Decolourization of fungal stains on cotton: influence on properties	Katja Kavkler, Polona Zalar, Črtomir Tavzes and Petra Bešlagić
P1-133	Chemical composition of the fragment of Islamic enamel glass vessel 13th centuries	Rezida Khranchenkova, Airat Gubaidullin, Ilvina Safina and Evgeny Nuzdin
P1-134	Image processing of the pozzolanic reactions in the Roman mortars via X-Ray Map Analyser	Cristina Maria Belfiore, Giusy Valentina Fichera, Gaetano Ortolano, Antonino Pezzino and Luigi Zappalà
P1-135	Characterization and conservation of a four Gospel book in arabic and latin	Stella Bastone, Maria Luisa Saladino, Delia Chillura Martino, Mauro Pellerito, Rosa Adelfio, Rosalia Claudia Giordano and Eugenio Caponetti
P1-136	Conservation of Contemporary Art: a multianalytical investigation on Nunzio Di Stefano artwork	Luca Nodari, Arianna Gambirasi, Maria Katia Tufano and Patrizia Tomasin
P1-137	Non-destructive EDXRF analyses of oil paintings by Antonio Parreiras – a Brazilian artist	Hellen C. Santos, Suene Bernardes, Marcia A. Rizzutto, Jessica F. Curado, Pedro H.O.V. Campos, Elizabeth A.M. Kajiya, Valeria Mendonça and Tatiana Russo
P1-138	Advanced solid state NMR techniques for the characterization of a waterlogged wood	Alberto Spinella, Stella Bastone, Francesco Armetta, Donatella Capitani and Eugenio Caponetti
P1-139	X-ray microanalysis for the Carovigno stone (Southern- Italy): mineralogical-petrographic characterization and decay description after experimental artificial ageing tests	Giovanna Fioretti, Pasquale Acquafredda and Andriani Gioacchino Francesco
P1-140	Chemical imaging of painting thin-sections by micro infrared spectroscopy in transflection-mode	Francesca Rosi, Francesca Gabrieli, Laura Cartechini, Lisa Vaccari and Costanza Miliani

P1-141	Evaluation of a FTIR data pretreatment method for PCA applied to archaeological ceramics	Laura Medeghini, Silvano Mignardi, Caterina De Vito and Aida Maria Conte
P1-142	Micro-analytical techniques for studying the constitutive materials and the state of conservation of an ancient Tapa painting cloth from Polinesia, is. Wallis	Enrico Greco, Valeria Di Tullio, Donatella Capitani, Noemi Proietti, Enrico Ciliberto and Luciana Rossi
P1-143	MA-XRF scanning of illuminated manuscript fragments: potentialities and challenges	Paola Ricciardi, Stijn Legrand, Giulia Bertolotti and Koen Janssens
P1-144	Physical properties of cellulose fibers in ancient paper: towards novel diagnostic tools	Francesco Valle, Lorenzo Teodonio, Joanna Lojewska and Mauro Missori
P1-145	The newly discovered 18th century frescoes in Aci Sant'Antonio (Sicily)	Antonino Cosentino, Milene Gil and Samantha Stout
P1-146	Analyses of pigments, paints and inks from Silk Road sites	Renate Noeller and Oliver Hahn
P1-147	Research of Gothic Panel Paintings of the Main Altar at the Church St. Jacob in Levoca	Jana Zelinska, Ivana Kopecka, Eva Svobodova and Vratislav Hurai
P1-148	Multi-analytical chemical characterization of blank tempera paint mock-ups as a tool to investigate the impact of atmospheric and marine aerosols	Carolina Cardell, Teresa Rivas, Agustín Herrera, Diana Barra, I Guerra and Natalia Navas
P1-149	Non-destructive multi-analytical method to perform a global assessment of the conservation state of weathering steel sculptures	Julene Aramendia Gutierrez, Leticia Gomez-Nubla, Kepa Castro, Ludovic Bellot-Gurlet and Juan Manuel Madariaga
P1-150	Laser cleaning of fossilised bones	Georgios Panagiaris, Nikolaos-Alexios Stefanis, Alexandra Alexandropoulou, Yorgos Fakorellis, Stamatios Boyatzis, Kristalia Melessanaki and Paraskevi Pouli
P1-151	Brass instruments of the 19th and early 20th centuries between long-term conservation and use in historically informed performance practice	Tiziana Lombardo, Marion Alter, Emilie Cornet, Martin Lederberger, Florian Kergourlay, Marie Wörle, Bernhard Elsener, Federica Cocco, Marzia Fantauzzi, Antonella Rossi, Eberhard Lehmann, David Mannes, Daniel Allenbach, Martin Mürner, Adrian von Steiger and Martin Skamletz
P1-152	Spectrometric analysis applied to the study of damage layers on carbonate stone surfaces	Valeria Comite, Donatella Barca, Cristina Maria Belfiore, Alessandra Bonazza, Mauro Francesco La Russa, Silvestro Antonio Ruffolo, Cristina Sabbioni, Gino Mirocle Crisci and Antonino Pezzino
P1-153	Studying pigments via portable FTIR	Laura Rampazzi, Cristina Corti, Antonio Sansonetti, Alessandra Botteon and Diego Sali
P1-154	Combined use of the PIXE-alpha and XRF portable systems for the non-destructive and in-situ compositional study of large bronze statuary of presumed Roman period	Lighea Pappalardo, Francesco Paolo Romano and Stefania Pafumi

P1-155	The golds of Himera: a preliminary non-invasive archaeometric study of phiale aurea	Maria Francesca Alberghina, Maria Brai, Dorotea Fontana, Maria Rosa Panzica, Salvatore Schiavone, Luigi Tranchina and Agata Villa
P1-156	Spectroscopic analysis of decorated vestiges found in the Roman Theatre of Medellín, Badajoz, Spain.	Maria J. Nuevo, Alejandro Martin Sanchez, Miguel A. Ojeda and Santiago Guerra Millán
P1-157	X-Ray Fluorescence of Historical Written Manuscripts	Bernadette Frühmann and Manfred Schreiner
P1-158	Combined vibrational and chromatographic study of historical lakes and dyes	Francesca Gabrieli, Daniele Uldanck, Ilaria Bonaduce, Ezio Buzzegoli, Ilaria Degano, Diane Kunzelman, Costanza Miliari, Francesca Modugno and Francesca Rosi
P1-159	Combined X-Ray diffraction and fluorescence analysis in the cultural heritage field	Luca Lutterotti, Federica Dell'Amore, Diego E. Angelucci and Stefano Gialanella
P1-160	Provenance studies on early gold of bronze ages using lead isotope ratios (fs-LA-ICP-MCMS) and trace element fingerprints (ns-LA-ICP-QMS)	Robert Lehmann and Ingo Horn
P1-161	A new method for the automatic determination of shrinkage activity of historical collagen-based materials by thermal microscopy and image processing techniques	Elena Badea, Oana Andreea Miu and Cristina Carsote
P1-162	In situ EDXRF-Raman analyses for archaeological ceramic classification	Anna Galli, Letizia Bonizzoni, Roberto Alberti, Luca Bombelli, Tommaso Frizzi, Michele Gironda and Marco Martini
P1-163	A physicochemical approach to the investigation of the condition of oil paintings on paper supports	Athina Alexopoulou, Brian Singer, Penelope Banou, Spyros Zervos, Agathi Kaminari, Anna Moutsatsou, Agni Terlixi, Eleni Tziamourani, Athanasios Karabotsos and Michalis Doulgieridis
P1-164	Multianalytical approach for studying a set of handmade paper documents manufactured in the 13th-15th centuries in Fabriano-Camerino area	Noemi Proietti, Donatella Capitani, Valeria Di Tullio, Claudio Pettinari, Graziella Roselli and Sandra Pucciarelli
P1-165	The use of several XRF modalities to investigation of paintings: the case study on the Late Gothic panel painting	Hana Bártová, Tomáš Trojek, Tomáš Čechák, Radka Šefců and Štěpánka Chlumská
P1-166	Study on degradation of Alizarin Carmine by vibrational spectroscopy	Lea Legan, Klara Retko and Polonca Ropret
P1-167	Amphibolite; tools, slabs and outcrops. A preliminary study of provenances using micro-X ray diffraction	Patricia Moita, José Mirão, Cátia Prazeres and Rui Boaventura
P1-168	Integrating optical imaging and digital processing for nondestructive diagnosis of artifacts	Elena Console, Anna Tonazzini, Emanuele Salerno, Pasquale Savino and Fabio Bruno

P1-169	Catacombs of San Gennaro: multi analytical investigation of decorated plasters	Romana Albini, Valeria Ciao, Vincenza Crupi, Mauro Francesco La Russa, Francesca Longo, Andrea Macchia, Domenico Majolino, Barbara Rossi, Silvestro Antonio Ruffolo, Antonino Pezzino and Valentina Venuti
P1-170	Transdisciplinary Indexing of Cultural-Historical Collections	Sonja Krug and Oliver Hahn
P1-171	Investigation of hand-colored photographs by 2D and 3D XRFA and microXRFA	Tomáš Čechák, Ivana Kopecká, Tomáš Trojek, Tomáš Štanžel, Radek Prokeš and Hana Bártoová
P1-172	Spectrophotometry, hyperspectral imaging and profilometry database of blank tempera paint mock-ups	Teresa Rivas, Agustín Herrera, Diana Barral, Isabel Guerra, Natalia Navas, Santiago Pozo and Carolina Cardell
P1-173	Damage of tempera paint mock-ups under conditions simulating salt fog weathering aerosols	Teresa Rivas, Diana Barral and Carolina Cardell
P1-174	Analysis of the conservation status of the wooden church from the Ioneștii Govorii village – Romania	Ileana Mohanu, Dan Mohanu, Ioana Gomoiu, Olimpia-Hinamatsuri Barbu, Roxana-Magdalena Fechet, Nicoleta Vlad, Georgeta Voicu and Roxana Trușcă
P1-175	A multi-analytical database for lapis lazuli provenance	Alessandro Lo Giudice, Debora Angelici, Alessandro Borghi, Silvia Calusi, Roberto Cossio, Caroline Czelusniak, Gianluca Gariani, Nicla Gelli, Lorenzo Giuntini, Leonardo La Torre, Mirko Massi, Giovanni Pratesi, Alessandro Re, Valentino Rigato and Gloria Vaggelli
P1-176	Analysis of the degradation of the soapstone Prophets of the Basilica Bom Jesus de Matosinhos, Congonhas, Minas Gerais, Brazil	Silvia Vicini, André Andrade, Glaura G. Silva, Isolda C. Mendes, Karla Balzuweit and Luiz Antonio C. Souza
P1-177	The painted medieval ceiling from Palazzo Chiamonte, Palermo Italy	Bartolomeo Megna, Fabio D'Agostino and Giovanni Rizzo
P1-178	Scientific studies for the restoration of a wood painting of the Galleria Interdisciplinare Regionale della Sicilia- Palazzo Mirto di Palermo	Claudia Pellerito, Mauro Sebastianelli and Agata Evelina Di Marco
P1-179	Experimental synthesis of Central European Historical glass: refinement and validation of medieval glassmaking recipes	Stefano Barengi, Joost Caen, Olivier Schalm, Gert Nuyts, Kevin Hellemans, Simone Cagno and Koen Janssens