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**POSTER SESSION 2: WEDNESDAY 29 APRIL 2015**

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<b>ID</b>	<b>Title</b>	<b>Authors</b>
P2-1	Analysis of medieval stained glass by handheld pXRF	Laura Ware Adlington, Ian C. Freestone and Nick Teed
P2-2	Analytical study of waterlogged ivory from the Bajo de la Campana site (Murcia, Spain)	Maria Teresa Doménech-Carbó, Milagros Buendía-Ortuño, Trinidad Pasies-Oviedo, Laura Osete-Cortina and Antonio Doménech-Carbó
P2-3	APPLICATION OF SOL-GEL METHOD FOR THE CONSERVATION OF METALS	Erika Kiele, Jurate Senvaitiene, Rimantas Raudonis, Asta Griguociene, Rimantas Ramanauskas and Aivaras Kareiva
P2-4	Non-destructive analysis of selected 15th century Spanish panel paintings	Anabelle Kriznar, María Del Valme Muñoz Rubio, Miguel Ángel Respaldiza and Mercedes Vega
P2-5	ATR-FTIR spectroscopic imaging with variable angle of incidence for depth-profiling of samples of relevance for Cultural Heritage	Alessandra Vichi and Sergei Kazarian
P2-6	XPS and XRD diagnostic investigations for the conservation of archaeological artifacts	Maria Pia Casaletto, Claudia Cirrincione, Letizia Livoti and Annalisa Arcara
P2-7	Multianalytical methodology applied to the characterization of the original composition and pathologies present in early 20th century concrete from the inside of Punta Begoña Galleries (Getxo, North of Spain)	Cristina Garcia-Florentino, Maite Maguregui, Hector Morillas, Julene Aramendia and Juan Manuel Madariaga
P2-8	A non-invasive approach to the study and characterization of the Antonio Stradivari handwritings	Fausto Cacciatori, Marco D'Agostino, Giusj V. Fichera, Claudia Invernizzi, Maurizio Licchelli, Marco Malagodi and Tommaso Rovetta
P2-9	Large area microcalorimeter array for particle induced X-ray emission spectroscopy	Mikko Palosaari, Marko Käyhkö, Mikko Laitinen, Ilari Maasilta and Timo Sajavaara
P2-10	Gamma-ray angular distribution for PIGE analysis	Paula R. P. Allegro and Marcia De Almeida Rizzutto
P2-11	Study of the artworks conservation by EDXRF mapping analysis: the case of Villa dei Quintili frescos (Rome)	Eleonora Giavardi, Mauro F. La Russa, Maurizio Licchelli, Marco Malagodi, Roberto Alberti, Luca Bombelli and Tommaso Frizzi
P2-12	Microstructural characterization of two intact Japanese swords through neutron techniques	Elisa Barzagli, Francesco Grazi, Filomena Salvemini, Vadim Davydov, Anders Kaestner, Francesco Civita, Eberhard Lehmann and Marco Zoppi
P2-13	Differentiating Black: The application of Fibre Optics Reflectance Spectroscopy (FORS) in the study of iron gall inks used in copy letters.	Agathi Anthoula Kaminari, Athina Alexopoulou and Ioannis Sianoudis
P2-14	Fatty Acid Efflorescence on Contemporary Photoworks	Evert Bastiaan Reijers and Leonardus W. Jenneskens

P2-15	Nanoparticle-modified shellac for protection of wood surface	Maurizio Licchelli, Marco Malagodi, Chiara Milanese and Maduka L. Wheththimuni
P2-16	Study of ancient metal samples from Valle delle Forme	Daniela Di Martino, Enrico Perelli Cippo, Irene Uda, Maria Pia Riccardi, Alberto Paleari, Roberto Lorenzi, Antonella Scherillo, Costanza Cucini and Giuseppe Gorini
P2-17	A protocol for investigating the photo-luminescent properties of historical Zn-based semiconductor pigments and paintings containing Zn whites	Sara Bellei, Austin Nevin, Anna Cesaratto, Valentina Capogrosso, Rebecca Capua, Gianluca Valentini, Marco Leona and Daniela Comelli
P2-18	Synthesis of Forsterite and Enstatite Pigments for Glaze Colors	Manuela Catalano, Andrea Bloise, Domenico Miriello, Nicoletta Chiarelli and Gino Mirocle Crisci
P2-19	Ammonium phosphate applied to carbonatic substrates: a study of crystallized calcium phosphates	Elena Possenti, Giuliano Angella, Danilo Bersani, Moira Bertasa, Alessandra Botteon, Chiara Colombo, Claudia Conti, Pier Paolo Lottici and Marco Realini
P2-20	Engineered nano-Graphene for the cleaning of paintings	Francesca Volpi, Aldrei Boaretto, Giorgia Sciutto, Federica Valentini, Silvia Prati and Rocco Mazzeo
P2-21	The role of the analytical tools for the laser restoration of selenite ornamental elements from the Minoan palace of Knossos	Ioannis Grammatikakis, Kristalia Melessanaki, Aggelos Filippidis, Kostas Hatzigiannakis, Paraskevi Pouli and Konstantinos Demadis
P2-22	Archaeometric study of Hispano-Moresque tiles from Portuguese and Spanish collections	Susana Coentro, Bernard Gratuze, Luís C. Alves, Rui C. Da Silva and Vânia S.F. Muralha
P2-23	Cleaning Materials: a preliminary study of different Agar powders	Moira Bertasa, Alessandra Botteon, Oscar Chiantore, Tommaso Poli, Chiara Riedo, Antonio Sansonetti and Dominique Scalarone
P2-24	Green Pigments in Egg Tempera Technique: Study of accelerated aging by physicochemical methods	Eleni Likartsi, Labrini Malletzidou, Konstantinos M. Paraskevopoulos, Triantafillia Zorba, Georgios Vourlias and Nikolaos Nikolaidis
P2-25	An in-situ multi-analytical approach in the restoration of bronze artifact	Paola Letardi, Barbara Salvadori, Monica Galeotti, Andrea Cagnini, Simone Porcinai, Alessandra Santagostino Barbone and Antonio Sansonetti
P2-26	Clay grounds in paintings: from Northern to Southern Europe	David Buti, Anna Vila, Anne Haack Christensen, Troels Filtenborg, Loa Ludvigsen, Kim N. Dalby and Jørgen Wadum
P2-27	Microchemical study on the light ageing of egg yolk-based paints	María Teresa Doménech-Carbó, Annette S. Ortiz-Miranda, Laura Osete-Cortina, Miguel F. Silva and Antonio Doménech-Carbó
P2-28	The presence of Cu, Fe and Ca in XV century Italian paper and their impact on the optical properties	Lorenzo Teodonio, Anna Candida Felici, Joanna Lojewska, Maria Cristina Misiti, Piero Colaizzi, Adriano Mosca Conte, Olivia Pulci, Claudia Violante and Mauro Missori

P2-29	Material Characterization of the Late Roman Wall Painting Samples from Sinop Balatlar Church Complex in the Black Sea Region of Turkey	Meriç Bakiler, Burcu Kırmızı, Özden Ormancı, Özge Hanyalı, Uğur Alanyurt and Gülgün Koroğlu
P2-30	Multi-modal non-invasive examination of Chinese export paintings	Sotiria Kogou, Andrei Lucian, Lucia Burgio, Kate Bailey, Charlotte Brooks and Haida Liang
P2-31	A portable XRF scanner for material composition analysis	Anna Mazzinghi, Chiara Ruberto, Lisa Castelli, Caroline Czelusniak, Nicla Gelli, Lorenzo Giuntini, Pier Andrea Mandò, Lara Palla and Francesco Taccetti
P2-32	Archaeometric approach to study the "skin" of Baroque buildings: characterization of ancient finishing techniques of Lecce (Puglia, Italy).	Giuseppe Egidio De Benedetto, Daniela Fico and Antonio Pennetta
P2-33	Damage assessment of parchment: a novel diagnostic approach at the nanoscale based on Atomic Force Microscopy and Localised Thermal Analysis	Angelica Bartoletti, Marianne Odlyha, Jonathan Knowles, Kathleen Mühlen Axelsson, René Larsen and Laurent Bozec
P2-34	CT examination of two Vatican Egyptian child-mummies: fake or authentic archeological finds?	Sveva Longo, Alessia Amenta, Fabio Morresi and Ulderico Santamaria
P2-35	Synthesis of yellow and red ochre - recipes and recognition: a preliminary investigation	Michela Botticelli, Gaia Appolloni, António Candeias and Adriana Maras
P2-36	Raman and FTIR microspectroscopy of Roman wall paintings from selected sites in Slovenia	Maja Gutman and Sabina Kramar
P2-37	2D-Fluorescence studies of neat binding media and simulated paint mixtures	Serena Carlesi, Aggelos Philippidis, Maurizio Becucci, Marilena Ricci and Anglos Demetrios
P2-38	Combined THz and LIPS analysis of corroded archaeological bronzes	Ilaria Cacciari
P2-39	Laser triangulation and time-lapse photography as methods for the on-site analyses of climate-induced material changes	Katharina Kuntz
P2-40	Provenance study of volcanic stones by texture analysis: a novel application of $\mu$ -XRF imaging	Luigi Germinario, Roberto Cossio, Claudio Mazzoli, Lara Maritan and Alessandro Borghi
P2-41	Experience with SurveNIR for a mass survey of books produced after 1801	Jitka Neoralová, Lucie Palánková, Magda Součková, Petra Vávrová and Jan Novotný
P2-42	The use of non-invasive analytical methods to study blue dyes in historical objects: the case of woad and indigo	Josefina Perez-Arantegui, Andrea Gil and Ana Agreda

P2-43	On the study of red lakes and binders in the mural paintings from the Charola of the Convent of Christ (Tomar): preliminary results	Ana Manhita, Ana Cardoso, Silvânia Afonso, Cristina Dias, António Candeias and Milene Gil
P2-44	Combined trace element and multiple isotopic ratio analysis of minute samples for the provenance of raw materials in an Art history and Archaeology context	Gareth Davies, Janne Koornneef, Alice Knaf, Huub Baija, Joosje van Bennekom, Isabelle Garachon, Petria Noble, Arie Pappot, Willem de Ridder, Anna Slaczka, William Southworth, Gwen Tauber, Arie Wallert and Robert van Langh
P2-45	X-ray microanalysis and Laser Induced Fluorescence applied to the diagnosis of a wooden paste image from XVI Century	María Auxiliadora Gómez-Morón, Pilar Ortiz, Rocio Ortiz, Francesco Colao, Roberta Fantoni and Jacques Castaing
P2-46	New Insight of Kings Vault of Alhambra (Granada, Spain) by combination of XRD and XRF portable.	María Auxiliadora Gómez-Morón, Pilar Ortiz, Jose María Martín, Rocio Ortiz and Jacques Castaing
P2-47	Development of a portable UV-vis/fluorescence spectrometer equipped with multiple color light sources and its application to the glass works by Émile Gallé	Yoshinari Abe, Arisa Izumi, Hiroko Kobayashi, Mayumi Ikeda and Izumi Nakai
P2-48	A scientific study of Calder's interior painted sculptures	Federica Pozzi, Julie Arslanoglu, Nathan Otterson, Kendra Roth and Carol Stringari
P2-49	AFM-sampling-L2MS on Painting Cross-Sections	Mattanjah de Vries, Shawn Owens, Jacob Berenbeim, Catherine Schmidt Patterson and Eoghan Dillon
P2-50	Degradation Analysis of Stone Reliefs at the Archaeological Site of Tula, Mexico	Armando Arciniega, Nora Perez, Edgar Casanova, Yareli Jaidar, Jaime Torres and Jocelyn Alcantara
P2-51	Raman Spectroscopy of the photosensitive pigment Prussian Blue: evaluating a "safe zone" for analysis.	Giulia Moretti, Nadim Scherrer, Marie-Angélique Languille and Claire Gervais
P2-52	Bulk non-destructive elemental analysis using muons	Adrian Hillier, Don Paul and Katsu Ishida
P2-53	Deterioration of vegetable-tanned leather investigated by NMR MOUSE and micro DSC. Effects of temperature, relative humidity and visible light	Elena Badea, Claudiu Sendrea, Cristina Carsote, Lucretia Miu and Giuseppe Della Gatta
P2-54	Non-invasive investigation of mineralised artefacts and evaluation of novel conservation treatments using OCT	Lucia Noor Melita, Laura Filloy Nadal, Jonathan Campbell Knowles and Laurent Bozec
P2-55	Pigments characterization in Russian icons in Greece (15th-20th CE) using portable laser spectroscopic instruments	Zoi Eirini Papiaka, Panayiotis Siozos, Aggelos Philippidis and Demetrios Anglos
P2-56	PERSPECTIVES OF XRF-SPECTROMETRY USING FOR THE PRESERVATION OF THE MUSEUMS COLLECTIONS CONSISTED OF METAL ITEMS ( M4 TORNADO BRUKER)	I.A. Saprykina and L.A. Pelgunova

P2-57	Using instrumental methods in authentication ecclesial heritage (XRF, OM, SEM- EDX, FT-IR)	Nicoleta Vornicu and Cristina Bibire
P2-58	SERS and 2D-Fluorescence for the investigation of aminoacids and egg proteins	Aggelos Philippidis, Zoi Eirini Papiakia and Demetrios Anglos
P2-59	The development of portable instruments within the framework of a Bilateral Project Italy-Serbia	Stefano Ridolfi, Maja Gajic Kvascev, Velibor Andric and Daniela Korolija Crkvenjakov
P2-60	Exploring the kinetics of the luminescence emission from historical red lake pigments	Sara Bellei, Daniela Comelli, Anna Cesaratto, Ilaria Bargigia, Cosimo D'Andrea and Austin Nevin
P2-61	LIBS as a tool to investigate seasonal composition fluctuations in marine mollusk shells	Olga Kokkinaki, Niklas Hausmann, Geoffrey Nigel Bailey, Costas Fotakis and Demetrios Anglos
P2-62	XRF and LIBS study of surface enrichment in Frankish silver coins	Vasiliki Kantarelou, Panayiotis Siozos, Richard Jones, Andreas Karydas and Demetrios Anglos
P2-63	Integration of microscopic (LM, ESEM) and multi-analytical techniques (EDX, FTIR, GC/MS) to study the polychrome stone sculpture of the Renaissance age from Southern Italy	Angela Calia, Mariateresa Lettieri, Maurizio Masieri, Davide Melica, Giovanni Quarta, Fabrizio Vona and Giuseppe Egidio De Benedetto
P2-64	Hybrid inorganic-organic coatings based on PMMA for the protection of sandstones	Silvia Alinovi, Andrea Lorenzi, Ilaria Alfieri, Federica Bondioli, Giovanni Predieri, Laura Bergamonti, Danilo Bersani and Pier Paolo Lottici
P2-65	Raman identification of lead chromate pigments	Federica Bellini, Danilo Bersani, Howell G.M. Edwards, Jan Jehlicka, Peter Vandenabeele and Pier Paolo Lottici
P2-66	Characterization of archaeological wood stained with bat's excretions using various analytical techniques	Safa Hamed and Mourad Fawzy
P2-67	Investigating the excavated coloured rocks ('ochres') from Nawarla Gabarmang, an c. 48,000 year old Aboriginal site in northern Australia	Géraldine Castets, Emilie Chalmin, Bruno David, Jean-Jacques Delannoy, Jean-Michel Geneste, Anne-Lise Develle, Fayçal Soufi, Pauline Martinetto, Sébastien Pairis, Sophie Cer soy, Valérie Magnin, Robert G. Gunn, Bryce Barker and Margaret Katherine
P2-68	XRF analysis to retrace archaeological polychrome pottery: the case of "Falcone" vase palette	Maria Francesca Alberghina, Rosita Barraco, Maria Brai, Anna Maria Carrubba, Dorotea Fontana, Luigi Tranchina and Agata Villa
P2-69	Archaeometric investigations on the cultural heritage of Abruzzo after the earthquake.	Maria Paola Staccioli and Serena Benacquista
P2-70	Improved beeswax analysis to determine its origin: critical literature review and new methodological approach	Elke Cwiertnia

P2-71	PUMA, a beamline for ancient materials studies	Sebastian Schöder, Felisa Berenguer, Serge X. Cohen, Thierry Moreno, François Polack, Matthieu Lecroard, Angélique Rouquie, Sébastien Ancelin, Aurélien Delmotte and Loïc Bertrand
P2-72	Scanning micro-XRF investigation of the remaining polychromy on the Archaic sculpture of Phrasikleia	Andreas Karydas, Vasiliki Kantarelou, Michael Axiotis, George Mastrotheodoros, Maria Salta and Bernhard Schmaltz
P2-73	Portable DSPI for in-situ inspection of XVI century painting on wood: recovering data from noisy fringe patterns	Melania Paturzo, Pasquale Memmolo, Giovanni Arena, Giancarlo Fatigati, Mariangela Grilli and Pietro Ferraro
P2-74	Conservation of a contemporary art installation. A question of methodology. "32 metri quadri di mare circa" by Pino Pascali	Loredana Carratoni, Veronica Alejandra Di Santo Albertali, Cesare Poderosi and Rodolfo Corrias
P2-75	13th-14th Sieneese Wooden Paintings: stratigraphic and materials characterization by non invasive portable NMR and micro-analytical techniques.	Nadia Marchettini, Donatella Capitani, Valeria Di Tullio, Federica Presciutti and Noemi Proietti
P2-76	Characterization of hybrid inorganic-organic polymers for Wood and Paper protection	Giovanni Predieri, Laura Bergamonti, Claudia Graiff, Clelia Isca, Pier Paolo Lottici, Elisabetta Chiappini, Lara Maistrello and Sabrina Palanti
P2-77	Multi-methodological characterisation of calcium phosphate in late-Antique glass mosaic tesserae	Alberta Silvestri, Fabrizio Nestola and Luca Peruzzo
P2-78	Spectroscopic Investigations on Portable Icons from Historical Saint Paul's Church of Thessaloniki Charitable Men Fellowship	Anastasia Rousaki, Dimitra Lazidou, Triantafyllia Zorba, Theodora Fardi, Dimitrios Nikolis, Nikolaos Bonovas, Ioannis Nazlis, Eleni Pavlidou, Dimitrios Lampakis, Eleni Likartsi and Konstantinos Paraskevopoulos
P2-79	A mm-wave/THz scanner for the THz-ARTE Project	Andrea Doria, Emilio Giovenale, Gian Piero Gallerano, Alberto Petralia, Marcello Picollo and Kaori Fukunaga
P2-80	White pigments mixtures identification by means of multispectral imaging	Lucilla Pronti, Anna Candida Felici, Matthieu Ménager, Cathy Vieillescazes and Mario Piacentini
P2-81	Non-invasive survey of paintings with high resolution X-ray radiography and XRF	Janka Hradilova, Jan Zemlicka, Olga Trmalova and David Hradil
P2-82	Gemstones and glass beads from Nonantola Abbey (Modena, Italy) relics: a diagnostic investigation by Raman Spectroscopy and High-Resolution Microphotography	Sauro Gelichi, Alessandra Cianciosi, Davide Manzini, Davide Vallotto and Giulio Pojana
P2-83	Development of an analytical method to identify saccharide materials in dye by GC-MS	Marianna Faraco, Daniela Fico, Antonio Pennetta and Giuseppe Egidio De Benedetto
P2-84	Atmospheric pressure MALDI-MS for the direct analysis of carbonaceous inks used in XVII century manuscripts	Giuseppe Spoto, Alessandro Rapisarda, Giuseppe Grasso, Roberta D'Agata, Angela Aura, Maria Chiara Giuffrida, Marzia Calcagno and Cristina Valenti

P2-85	Composition of gold from ancient Iran determined by EDXRF-analysis	Roberto Cesareo, Maurizio Marabelli and Gabriella Di Flumeri
P2-86	The byzantine fresco of Dormitio Virginis (12th century): diagnosis and conservation by innovative materials	Benito Felice, Giuliana Taglieri, Davide Rigaglia, Lorenzo Arrizza and Valentina Romè
P2-87	Investigation of Cultural Heritage at the Hard X-ray Microprobe P06 of DESY	Matthias Alfeld, Ulrike Boesenberg and Gerald Falkenberg
P2-88	Advanced Matrix Factorization for XRF imaging of historical paintings	Matthias Alfeld, Mirwaes Wahabzada, Christian Bauckhage, Kristian Kersting, Gerd Wellenreuther and Gerald Falkenberg
P2-89	Remote Sensing of Environmental Parameters in Museums	Alexandra Jeberien and Susanne Litty
P2-90	Nondestructive determination of gold leaf thickness in a Brazilian and Portuguese 18th century imperial carriages	Sofia Pessanha, Marcelino Anjos, Maria Luisa Carvalho and Joaquim Assis
P2-91	Discovering the hidden preliminary version of Eça de Queiroz "The illustrious house of Ramires" using X-Ray micro-analysis	Sofia Pessanha, Mário Costa, Jorge M Sampaio and Maria Luisa Carvalho
P2-92	A database of underdrawings and material analyses on Sieneese paintings. Connections and dissimilarities of painting techniques across centuries and countries	Anna Pelagotti, Maria Francesca Alberghina, Salvo Schiavone and Emanuela Massa
P2-93	Discovery of the possible source of ore used in palaeolithic paint production in Kapova Cave, Russia	Alexander Pakhunov, Vladislav Zhitenev, Nikolay Brandt, Andrey Chikishev, Eduard Greshnikov and Ekaterina Golovkova
P2-94	On the reliability of pigment analysis methods. A "Goya" case study	Anna Pelagotti, Maria Francesca Alberghina, Salvo Schiavone and Emanuela Massa
P2-95	Mauve, violet or ...? The characterisation of early aniline dyes in Fashion textiles by PDA-UPLC-MS/MS and Accurate Mass analysis	Lore Troalen, Rosie Upton, Camilla Catania, Jamie Mulherron, Fergus McNab, Logan Mackay and Alison N. Hulme
P2-96	Elemental mapping by THCOBRA gaseous detector vs. polycapillary micro beam: advantages and drawbacks	Ana Luisa Silva, Sara Cirino, Luisa Carvalho, Sofia Pessanha, Marta Manso, José Paulo Santos, Mauro Guerra, Mário Costa and Joao Veloso
P2-97	(Re)Discovering artworks	Ana Bidarra, Pedro Antunes, João Coroado and Fernando Rocha
P2-98	Combining XRF and GRT for the analysis of ancient silver coins	Francisco J. Ager, A.I. Moreno-Suárez, B. Gómez-Tubío, S. Scrivano, I. Ortega-Feliu and M.A. Respaldiza

P2-99	ED-XRF method in analysis of Polish coins elemental composition	Aneta Gojska, Piotr Mazewicz, Pawel Sibczynski, Krzysztof Wincel, Barbara Zaręba and Jacek Rzakiewicz
P2-100	PIXE-alpha non-destructive and in-situ compositional investigation of black-gloss on ancient pottery	Lighea Pappalardo, Sebastiano Barresi, Giacomo Biondi, Claudia Caliri, Fabio Caruso, Roberto Catalano, Gioconda Lamagna, Angela Maria Manenti, Andrea Orlando, Francesca Rizzo, Francesco Paolo Romano and Hellen C. Santos
P2-101	Non-destructive characterization of archaeological gold jewels by a micro-XRF portable spectrometer	Simona Scrivano, Blanca Gomez-Tubio, Ineas Ortega Feliu, Francisco J. Ager, Maria Luisa de La Bandera and Miguel Angel Respaldiza
P2-102	Confocal XRF analysis on objects of art and archaeology	Imre Szalóki, Anita Gerényi, Márta Balla, Gábor Radócz, Gábor Kleizer and Dávid Légrády
P2-103	Identification of High and Low Luster Freshwater-Cultured Pearls by Scanning Electron Microscopy	Natthapong Monarumit, Nutwatcharee Noirawee, Chakkrich Boonmee, Aumaparn Phlayrahan, Krit Won-In and Somruedee Satitkune
P2-104	Surface enhanced characterization of complex stratified materials using synchrotron radiation at grazing incidence excitation conditions	Andreas Karydas, Juan José Leani, Alessandro Migliori, Roman Padilla-Alvarez, Mladen Bogovac, Ralf Kaiser, Claudia Caliri and Paolo Romano
P2-105	Comparative study of paint materials in three outdoor Keith Haring works: Pisa, Melbourne and Paris murals	Jacopo La Nasa, Sibilla Orsini, Francesca Di Girolamo, Ilaria Degano, Francesca Modugno and Maria Perla Colombini
P2-106	Application of acoustic microscopy to archaeological objects documentation: a new perspective	Georgios Karagiannis, Georgios Apostolidis, Christos Salpistis, Semeli Pingiatoglou, Aristotelis Mentzos, Dimitrios Tsiafis, Dimitrios Minasidis
P2-107	Raman spectroscopy investigation of ancient Mesopotamian potteries: study on decorative painting	Daniele Chiriu, Pier Carlo Ricci, Carlo Maria Carbonaro, Davide Nadali and Andrea Polcaro
P2-108	SERS-active low-cost flexible substrates for direct sampling of organic dyes	Rosina Celeste Ponterio, Sebastiano Trusso, Matteo Tommasini, Enza Fazio, Chiara Zanchi and Paolo Maria Ossi
P2-109	Non-destructive analysis of ancient glass bead from U-thong excavation site, Central Thailand	Krit Won-In and Somruedee Satitkune
P2-110	Analysis and characterization of modern lustre ceramic obtained with different ancient recipes	Giuseppe Politi, Anna M. Gueli, Sebastiano O. Troja, Stefania Pasquale, Antonella Privitera, Marc Aucouturier, Claire Pacheco, Laurent Pichon, Brice Moignard and Quentin Lemasson
P2-111	Elemental composition of artist's paints as source of information about authenticity of contemporary paintings	Dariusz Wilk
P2-112	PROTOCOLS TO MONITOR THE PROCESSES OF DEGRADATION AT URBAN SCALE. THE VIA CARACCILO NEIGHBORHOOD IN NAPLES.	Serena Viola and Claudia Ciocia



P2-113	Laser Scanner Survey of "Africo Antica" (RC - Italy): a preliminary recovery project of an ancient village	Giuseppe Meduri, Antonino Nunnari, Vincenzo Barrile, Francesco Aliotta, Cirino Salvatore Vasi and Rosina Celeste Ponterio
P2-114	Consolidation of painting layers on Qin Terracotta by electron beam radiation	Bo Rong, Tie Zhou and Zhijun Zhang
P2-115	Structural fingerprinting of Ancient Indian Iron using Variable Pressure Scanning Electron Microscopy	Vandana Singh
P2-116	Investigating the Preservation State of Parchment with Attenuated Total Reflection-Fourier Transform mid-Infrared Spectroscopy	Stamatis Boyatzis, Ekaterini Malea, Georgia Velivasaki and Anastasia Katsidima
P2-117	Historic and diagnostic survey of the Egyptian mural paintings coming from Irti's tomb	Michela Cardinali, Tiziana Cavaleri, Paola Croveri, Daniele Demonte, Christian Greco, Paolo Triolo, Beppe Moiso, Anna Piccirillo and Arianna Scarcella
P2-118	SEM investigation and microanalysis characterization of samples from Castello delle Rocche, Finale Emilia	Giuseppe Maino
P2-119	Nuclear techniques and nuclear reaction data for investigation of paintings and stained glasses	Giuseppe Maino and Mariapaola Monti
P2-120	Unveiling the 3rd secret of Fatima Material characterization of the manuscript using $\mu$ -XRF spectrometry	Marta Manso, João Figueirinhas, Sofia Pessanha, Mauro Guerra, José Paulo Santos and Maria Luísa Carvalho
P2-121	Novel sampling strategies for trace element quantification in archaeological artifacts	Debora Käser, Marcel Burger, Reto Glaus, Vera Hubert, Samuel van Willigen, Marie Wörle-Soares, Berke Heinz, Qinglin Ma and Detlef Günther
P2-122	Degradation of Cd-yellow Paints: an ab initio study of the adsorption of water and oxygen on CdS {10.0} surface	Laura Giacometti and Alessandra Satta
P2-123	The combined use of XRF and VIS-NIR FORS spectroscopic techniques for the non-invasive identification of pigments on archaeological works of art	Amani Christiana Saint, Eleni Cheilakou, Vasiliki Dritsa, Maria Kouli, Katerina Kostanti and Alexandra Christopoulou
P2-124	On the porosity development in cultural heritage materials	Giuseppe Maino, Claire Fiorotto and Sara Mazzocato
P2-125	Investigation the glaze deterioration process in Achaemenid glazed bricks of Susa	Soodabeh Yousefnejad
P2-126	Raman identification of paper ablation products	Irina Balakhnina, Nikolay Brandt, Andrey Chikishev and Natalia Rebrikova

P2-127	"Losanga-style" Imitations of Italic Late Republican black gloss tableware from South-Western Iberia: a multianalytical/microchemical characterization	Nick Schiavon, Vincenzo Soria, Ana Margarida Arruda, Massimo Beltrame and José Mirão
P2-128	Early Baroque orthodox icon: painting and decorative techniques of the Royal door by Dimitrije Bačević documented by means of EDXRF and conservation analysis	Maja Gajic Kvascev, Daniela Korolija Crkvenjakov, Magdalena Stoyanova, Stefano Ridolfi and Velibor Andric
P2-129	Satellite radar for detection of archaeological marks along the Silk Road	Nicola Masini, Fulong Chen, Rosa Lasaponara and Ruixia Yang
P2-130	BLACK GLAZED POTTERY: INTRINSIC COMPOSITIONAL TRENDS IN ARCHAEOLOGICAL AND CONTEMPORANEOUS REPLICAS	Nikolaos Zacharias, George P. Mastrotheodoros
P2-131	A selective paper artwork cleaning process using modified Gellan hydrogel	Claudia Mazzuca, Laura Micheli, Eleonora Cervelli, Greta Petrella, Chiara Cristini, Simonetta Iannucelli, Silvia Sotgiu, Antonio Palleschi and Giuseppe Palleschi
P2-132	A multianalytical-microchemical approach for 18th and 19th century pottery provenance studies in Sardinia (Italy)	Nick Schiavon, Antonio Brunetti, Marco Milanese and Stefano Enzo
P2-133	Reversibility of cyanotypes colour change	Marie-Angélique Languille, Chantal Garnier and Claire Gervais
P2-134	The craftsmanship of painting and gilding ivories in Medieval Southern Italy	Adriana Rizzo, Federico Carò and Silvia Armando
P2-135	MULTI-ANALYTICAL STUDY OF THE CONSTRUCTION AND PAINTING OF A LATE PERIOD SARCOPHAGUS IN THE EGYPTIAN MUSEUM OF CAIRO	Eman H.Zedan, Sara Mosca, Sara Bellei, Austin Nevin, Gianluca Valentini, Rinaldo Cubeddu, Siham Ramadan, Souty Adel, Maher Eissa, Tommaso Frizzi, Michele Gironda, Ibrahim El Rifai, Hend Mahgoub, Mohamed Gamal, Sabah Saddik, Abdelrazek Elnaggar and Daniela Comelli
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