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Decreto Rettore Università di Roma "La Sapienza" n 3187/2020 del 15.12.2020

LAURA MEDEGHINI Curriculum Vitae

Place Rome

Date 04.02.2021

Part I – General Information

Full Name	Laura Medeghini
Citizenship	Italian
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
PhD	2014	Sapienza University of Rome	PhD program in Sciences applied to the protection of the environment and Cultural Heritage
University graduation	2009	University of Parma	MSc Sciences for Cultural Heritage (Cl. 12/S)
University graduation	2007	University of Parma	BSc Sciences and Technologies for the conservation and restoration of Cultural Heritage (Cl. 41)

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2020	2029	MIUR	National Scientific Qualification as Associate Professor, SC 04/A1
2018/03	-	Sapienza University of Rome	Temporary Research - A
2015/04	2016/03	Sapienza University of Rome	Post-Doc - B

IIIB – Other Appointments

Start	End	Institution	Position
2021	-	TMM- Transdisciplinary	Member of the Scientific Committee

		Multispectral Modelling and Cooperation for the Preservation of Cultural Heritage: Rebranding the World in Crisis through Culture	of the Conference
2020/09	-	Sustainability – ISI scientific journal	Guest Editor Special Issue "Affirming Authenticity: Sustainable Conservation of Cultural Heritage"
2019/12	-	Periodico di Mineralogia	Section Editor of the ISI scientific journal - Archaeometry and Cultural Heritage
2019	-	L'École biblique et archéologique française (Jerusalem)	Responsibility of the study of ceramic materials from the archaeological site of Tell el Far'ah
2019	-	CNR - National Research Council	Associate Researcher to IGG-IGAG
2019	-	Sapienza University of Rome	Member of the Commission about the problems of Temporary researchers in Sapienza
2018	-	Sapienza University of Rome	Member of the web Committee for BS and McS in Applied Sciences to Cultural Heritage
2018	-	Sapienza University of Rome	Member of the Tutoring Committee for BS and McS in Applied Sciences to Cultural Heritage
2018	-	Sapienza University of Rome	Member of the Teaching Committee for BS and McS in Applied Sciences to Cultural Heritage
2019	2020	Science ABC - Science Applications Becoming Culture	Member of the Organizing Committee as co-chairwoman
2019/09	16-18	European Meeting on Ancient Ceramics (EMAC) – Barcelona 16-18 September 2019	Oral Presentation - “Ceramic pipes of the Roman aqueduct from Raiano village (L'Aquila, Italy): a technological study”
2019/09	11-13	European Conference on Mineralogy and Spectroscopy – Prague 11-13 September 2019	Oral Presentation – “Provenance studies of emerald: evaluation of Raman approach”
2017/09	3-6	AIV, SGI, SIMP and SOGEI Congress – Pisa 3-6 September 2017	Oral Presentation – “Isotopic composition of lead for raw material tracing: the case of Roman lead-glazed ceramic”
2017/03	3	Workshop “Progetti Europei per i BBCC: il modello Nano-Cathedral” – Rome 3rd March 2017	Oral Presentation – “Metodi di controllo in situ e metodi di applicazione dei prodotti”
2017/02	10	“Il restauro di un sarcofago fittile proveniente da una tomba di Poggio delle Fornaci: un cantiere didattico” Palazzo dei Priori - Viterbo 10 February 2017	Oral Presentation "Indagini scientifiche"
2016	2017	Higher Institute for Conservation and	Member of the Organizing Committee

		Restoration (ISCR)	of the Workshop “Progetti Europei per i BBCC: il modello Nano-Cathedral”
2016/10	4-5	Workshop “Nano-Cathedral” – Rome 4-5 October 2016	Oral Presentation - “Control test for on-site products application”
2016	2016	Higher Institute for Conservation and Restoration (ISCR)	Member of the Organizing Committee of the Workshop “Nano-Cathedral”
2016	2018	Higher Institute for Conservation and Restoration (ISCR)	Scientific Collaborator at the Laboratory of Material tests
2016/01	2016/12	Czech Science Foundation	External Referee of the Committee for Physical Sciences
2015/06	25	“Integrated archaeological and archaeometric analyses for the study of pottery production and building materials at Qatna and Ebla between the 3rd and 1st mill. BC” – Padova 25th June 2015	Oral Presentation - “Studio archeometrico della ceramica del Bronzo Antico e Medio di Tell Mardikh/Ebla”
2015/10	2015/11	University of Manitoba	Visiting Researcher
2014/10	2014/11	Sapienza University of Rome	Collaborator for the Department of Classics
2014	2014	Sovrintendenza BB.CC. of Rome	Scientific Collaborator
2013	-	ISI Scientific Journals	Peer Reviewer more than 30 works
		- Scientific Reports	
		- European Physical Journal Plus	
		- Archaeometry	
		- Applied Clay Science	
		- Journal of Raman Spectroscopy	
		- Geoscience	
		- Applied Sciences	
		- Journal of Archaeological Science: Reports	
		- Materials Characterization	
		- International Journal of Architectural Heritage	
		- Journal of Coatings Technology and Research	
		- Measurements	
		- Applied Spectroscopy	
		- Periodico di Mineralogia	
		- Applied Physics A	
		- Microchemical Journal	
		- European Journal of Mineralogy	
2013/09	2-6	VII International Congress on the application of Raman spectroscopy in Art and Archaeology (RAA) – Ljubljana 2-6 September 2013	Oral Presentation “Characterization of ancient ceramic using micro-Raman spectroscopy: the cases of Motya (Italy) and Khirbet al-Batrawy (Jordan)”

2013/06	23-27	XXIII International Conference of the European Ceramic Society (ECERS) – Limoges, 23-27 June 2013	Oral Presentation “Technological evolution of pottery from the site of Khirbet al-Batrawy (Jordan)”
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Part IV – Teaching experience

Year	Institution	Lecture/Course
2020-	Sapienza University of Rome	Applied diagnostic: project for the evaluation and protection of cultural heritage – PhD students in Earth Sciences “Vito Volterra”
2020-	Central Institute of Restoration (ICR) – Rome	Chemistry of the environment and cultural heritage – Chemistry of glass materials (2 CFU)
2020-	Central Institute of Restoration (ICR) – Matera	Chemistry of the environment and cultural heritage – Chemistry of glass materials (2 CFU)
2019-2020	Higher Institute for Conservation and Restoration (ISCR) – Rome	Chemistry of the environment and cultural heritage – Chemistry of glass materials (2 CFU)
2018-2020	Higher Institute for Conservation and Restoration (ISCR) – Matera	Chemistry of the environment and cultural heritage – Chemistry of glass materials (2 CFU)
2018-	Sapienza University of Rome	Geomaterials for Cultural Heritage (6 CFU) LM-11 Science and Technology for the Conservation of Cultural Heritage (English curriculum)
2019	Roma Tre University	Diagnostic of Cultural Heritage
2017	Higher Institute for Conservation and Restoration (ISCR) – Rome	Seminar for the ITP – International Training Project
2016	Sapienza University of Rome	Seminars (1 CFU) for the Erasmus Mundus Master – Archaeological Materials Science (ARCHMAT)
2016	Higher Institute for Conservation and Restoration (ISCR) – Rome	Seminar for the course of Mineralogy
2015	Sapienza University of Rome	Seminar for the Erasmus Mundus Master – Archaeological Materials Science (ARCHMAT)
2015	Sapienza University of Rome	Seminar for the course of Mineral characterization - Exploration Geology
2014	Sapienza University of Rome	Seminar for the Erasmus Mundus Master – Archaeological Materials Science (ARCHMAT)
2014	Sapienza University of Rome	Seminar for the course of Mineralogy and Petrography – Technology for the conservation and restoration of cultural heritage
2013	University of Parma	Seminar for PhD and MS students – Technology for the conservation and

		restoration of cultural heritage
2020-	Sapienza University of Rome	Supervisor of a PhD student – Doctorate in Earth Sciences – curriculum Environment and Cultural Heritage 36° cycle
2018-	Sapienza University of Rome	Supervisor, Co-Supervisor and Opposite of 20 MS thesis and 8 BS of Science Applied to Cultural Heritage
2018-	Sapienza University of Rome	Co-Supervisor of 1 MS thesis and 5 BS thesis of Geological Sciences
2018-	Sapienza University of Rome	Member of the Examination Committee for Science Applied to Cultural Heritage.
		- Petrography and Laboratory of stone materials
		- English-Italian for Cultural Heritage
		- Colour and decay
		- Metallic minerals and gems
2018-	Sapienza University of Rome	Member of the Examination Committee for Geological Sciences:
		- Ore deposits and processing of industrial minerals and rocks
		- Metallogenetic processes and industrial minerals and rocks

Part V - Society memberships, Awards and Honors

Year	Title
2019 -	Italian Society of Mineralogy and Petrology
2020 -	Italian Society of Archaeometry (AIAR)
2012	She was awarded a prize of 642 euros by the Italian Society of Archaeometry within the "Sportello Giovani". AIAR supports the activity of the young researchers involved in high value archaeometric projects providing targeted financial contributions for participation in research activities / conferences / courses.

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2020 -	Edicola	European Union's Erasmus+ Project Code: 2020-1-EL01-KA203-079108	€ 382828 (I)
2020	Trash to treasure: come un rifiuto può risanare l'ambiente	Sapienza University of Rome, research grants	€ 13000 (I)
2020	Motya at the center of the Mediterranean Sea: contacts, interactions and exchanges between	Sapienza University of Rome, archaeological excavations	€ 79000 (I)

	cultures in the 2nd and 1st millennium BC - A multidisciplinary perspective		
2019	Tecnologie produttive dell'acquedotto Traiano: una infrastruttura del passato parte integrante del presente	Sapienza University of Rome, research grants	€ 14000 + 23787 (research grant) (PI)
2019	Jericho from Pre-Pottery Neolithic to the Bronze and Iron Ages. Investigating a key-site of the ancient Near East - a multidisciplinary approach	Sapienza University of Rome, archaeological excavations	€ 88000 (I)
2018	La ceramica a vernice nera di Pompei: imitazione o produzione originale?	Sapienza University of Rome, research grants	€ 3500 (PI)
2018	Jericho from the Neolithic to the Bronze and Iron Ages: investigating a key-site of the ancient Near East - a multidisciplinary approach	Sapienza University of Rome, archaeological excavations	€ 77000 (I)
2018	A state-of-the art TEM-based platform for advanced Imaging and Diffraction Analyses - TEMIDA	Sapienza University of Rome, scientific instrumentations	€ 462000 (I)
2017	La ceramica di Gerico (Palestina): tecnologie di produzione	Sapienza University of Rome, research grants	€ 9000 + 23750 (research grant) (I)
2017	Nano-Cathedral - Nanomaterials for Conservation of European architectural heritage developed by research on characteristic lithotypes	European Union Grant Agreement n. 646178	€ 6321335
2015	Il contributo degli isotopi di Pb, Cu e Sn nello studio di ceramiche archeologiche: tecnologie di produzione e provenienza delle materie prime	Sapienza University of Rome, research grants	€ 11100 (I)
2015	Il contributo degli isotopi di Cu e H del turchese negli studi di provenienza: il caso del deposito di Neyshabour-Mashad (Iran)	Sapienza University of Rome, research grants	€ 2100 (PI)
2013	È possibile definire gli aspetti tecnologici di produzione e la provenienza delle materie prime delle ceramiche archeologiche con l'applicazione di tecniche analitiche non e micro-invasive	Sapienza University of Rome, research grants	€ 7000 + 22946 (research grant) (I)
2011	Efficienza del processo di carbonatazione della CO2 in "waste" saline multi elementari	Sapienza University of Rome, research grants	€ 10000 (I)

Part VII – Research Activities

Keywords	Brief Description
Geomaterials	My research is mainly focused on the mineralogical and petrographic study to characterize and define the provenance of materials in the field of cultural heritage. Particularly, archaeological ceramics, turquoise, emeralds, pigments and glass materials are analysed to answer questions about the chemical composition of the materials, the production processes as well as to define the provenance of raw materials. Several analytical techniques are used for these purposes, including optical microscopy (OM), X-ray fluorescence (XRF), Raman spectroscopy, Fourier Transform Infra-Red spectroscopy (FTIR), Scanning Electron Microscopy coupled with Energy Dispersive Spectroscopy (SEM-EDS), X-ray diffraction (XRD) and Secondary Ion Mass Spectrometry (SIMS). My studies also concern mineralogical-petrographic and geochemical research on the application of phosphates for the treatment of contaminated water and soils by metals.
Provenance	
Archaeometry	
Material Characterization	
Spectroscopies	

Research Collaboration

2016-2018	Archaeometric analysis of archaeological ceramics from prehistoric sites in Rome (collaboration with European Funding Program H2020- MSCA-IF-702493)	University of Cambridge, McDonald Institute for Archaeological Research (UK)
2015-	Archaeometric analysis of ceramic material from the archaeological site of Khirbat Iskandar (Jordan)	Archaeology Department della Gannon University, Pennsylvania (USA)
2015-	Archaeometric analysis for the definition of production technologies and the provenance of the raw materials of geomaterials from different sites located in Rome and Pompeii	Soprintendenza Speciale per il Colosseo, il Museo Nazionale Romano e l'Area Archeologica di Roma, ora Parco Archeologico del Colosseo e Segretariato Regionale MIBAC Lazio
2015-	Isotopic analysis of Pb by SIMS for the provenance study of archaeological ceramics	University of Manitoba, Winnipeg (Canada)
	Isotopic analysis of B in tourmaline	
	Isotopic analysis of Cu and H in turquoise from historical deposits	
2014-	Non- and micro-invasive techniques of archaeological material (ceramic, emerald, obsidian...) to define the provenance studies	IGAG -CNR
	Application of FTIR in the study of metal immobilization in soils and water	
2010-	Provenance studies of emeralds and azurite from historic deposits	Department of Physics and Earth Sciences, University of Parma
	Provenance studies of archaeological ceramics by means of non-invasive techniques	
	Archaeometric analysis of archaeological ceramic from the Khirbet al-Batrawy site	

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	30	Scopus	2013	2021
Papers [national]				
Books [scientific]				
Books [teaching]				

Total Impact factor	84.726
Total Citations	349
Average Citations per Product	11.63
Hirsch (H) index	11
Normalized H index*	1.22

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

- Fabrizi, L., Nigro, L., Ballirano, P., Guirguis, M., Spagnoli, F., **Medeghini, L.**, De Vito, C. (2020). The Phoenician Red Slip Ware from Sulky (Sardinia-Italy): Microstructure and quantitative phase analysis, *Applied Clay Science*, 197, art. no. 105795.
Cited 1 time (IF 2019: 4.605), DOI: 10.1016/j.clay.2020.105795.
- Medeghini, L.**, Mignardi, S., Di Fusco, G., Botticelli, M., Coletti, F., De Vito, C. (2020) How microanalysis can be discriminant on black pompeian wares, *Crystals*, 10 (10), art. no. 879.
(IF 2019: 2.404), DOI: 10.3390/cryst10100879.
- Botticelli, M., Mignardi, S., De Vito, C., Liao, Y., Montanari, D., Shakarna, M., Nigro, L., **Medeghini, L.** (2020). Variability in pottery production at Khalet al-Jam'a necropolis, Bethlehem (West Bank): From the Early-Middle Bronze to the Iron Age, *Ceramics International*, 46 (10), 16405-16415.
(IF 2019: 3.83), DOI: 10.1016/j.ceramint.2020.03.200.
- Medeghini, L.**, Fayek, M., Mignardi, S., Coletti, F., Contino, A., De Vito, C. (2020). A provenance study of Roman lead-glazed ceramics using lead isotopes and secondary ion mass spectrometry (SIMS), *Microchemical Journal*, 154, art. no. 104519.
Cited 2 times (IF 2019: 3.594), DOI: 10.1016/j.microc.2019.104519.
- Medeghini, L.**, Ferrini, V., Di Nanni, F., D'Uva, F., Mignardi, S., De Vito, C. (2019), Ceramic pipes of the Roman aqueduct from Raiano village (L'Aquila, Italy): A technological study, *Construction and Building Materials*, 218, 618-627.
Cited 1 time (IF: 4.419), DOI: 10.1016/j.conbuildmat.2019.05.137.
- Medeghini, L.**, Sala, M., De Vito, C., Mignardi, S. (2019). A forgotten centre of ceramic production in Southern Levant: Preliminary analytical study of the Early Bronze Age pottery from Tell el-Far'ah North (West Bank), *Ceramics International*, 45 (9), 11457-11467.
Cited 4 times (IF: 3.83), DOI: 10.1016/j.ceramint.2019.03.013.

- 7 De Vito, C., **Medeghini, L.**, Garruto, S., Coletti, F., De Luca, I., Mignardi, S. (2018). Medieval glazed ceramic from Caesar's Forum (Rome, Italy): Production technology, *Ceramics International*, 44 (5), 5055-5062.
Cited 8 times (IF: 3.450) DOI: 10.1016/j.ceramint.2017.12.104.
- 8 Aurisicchio, C., Conte, A.M., **Medeghini, L.**, Ottolini, L., De Vito, C. (2018) Major and trace element geochemistry of emerald from several deposits: Implications for genetic models and classification schemes, *Ore Geology Reviews*, 94, 351-366.
Cited 8 times (IF: 3.387), DOI: 10.1016/j.oregeorev.2018.02.001
- 9 **Medeghini, L.**, De Vito, C., Coletti, F., Govi, A., Fabrizi, L., Di Fazio, M., Mignardi, S. (2018). Glazed roman ceramic: A multi-analytical approach (2018) *Periodico di Mineralogia*, 87 (3), 229-244.
Cited 5 times (IF: 1.417), DOI: 10.2451/2018PM781.
- 10 De Vito, C., **Medeghini, L.**, Mignardi, S., Coletti, F., Contino, A. (2017). Roman glazed inkwells from the “Nuovo Mercato di Testaccio” (Rome, Italy): Production technology, *Journal of the European Ceramic Society*, 37 (4), 1779-1788.
Cited 13 times (IF: 3.794), DOI: 10.1016/j.jeurceramsoc.2016.11.044.
- 11 Forte, V., **Medeghini, L.** (2017). A preliminary study of ceramic pastes in the copper age pottery production of the Rome area, *Archaeological and Anthropological Sciences*, 9 (2), 209-222.
Cited 11 times (IF: 2.414), DOI: 10.1007/s12520-015-0261-4.
- 12 **Medeghini, L.**, Mignardi, S., De Vito, C., Macro, N., D'Andrea, M., Richard, S. (2016). New insights on Early Bronze Age IV pottery production and consumption in the southern Levant: The case of Khirbat Iskandar, Jordan, *Ceramics International*, 42 (16), 18991-19005.
Cited 11 times (IF: 2.986), DOI: 10.1016/j.ceramint.2016.09.054.
- 13 **Medeghini, L.**, Fabrizi, L., De Vito, C., Mignardi, S., Nigro, L., Gallo, E., Fiaccavento, C. (2016). The ceramic of the Palace of the Copper Axes (Khirbet al-Batrawy, Jordan): A palatial special production, *Ceramics International*, 42 (5), 5952-5962.
Cited 13 times (IF: 2.986), DOI: 10.1016/j.ceramint.2015.12.143.
- 14 **Medeghini, L.**, Mignardi, S., De Vito, C., Conte, A.M. (2016). Evaluation of a FTIR data pretreatment method for Principal Component Analysis applied to archaeological ceramics, *Microchemical Journal*, 125, 224-229.
Cited 23 times (IF: 3.034), DOI: 10.1016/j.microc.2015.11.033

-Other main publications

- Mignardi S., De Vito C., Botticelli M., Favero G., Balossi Restelli F., Marinacci L., Alkhasoneh S., **Medeghini L.** (2021). Lime Production in the Late Chalcolithic Period: The Case of Arslantepe (Eastern Anatolia) *Heritage*, 4(1), 91-104.
DOI: 10.3390/heritage4010005.
- **Medeghini, L.**, Mignardi, S., De Vito, C. (online 2020). When the time stops: The “Grotta dei Cocci” (Terni, Italy), *Boletín de la Sociedad Española de Cerámica y Vidrio*.
(IF 2019: 2.517), DOI 10.1016/j.bsecv.2020.09.003.
- Mignardi, S., Archilletti, L., **Medeghini, L.**, De Vito, C. (2020). Valorization of Eggshell Biowaste for Sustainable Environmental Remediation, *Scientific Reports*, 10 (1), art. no. 2436.
Cited 3 times (IF 2019: 3.998), DOI: 10.1038/s41598-020-59324-5.

- Forte, V., Tarquini, O., Botticelli, M., **Medeghini, L.** (2020). The technology of Copper Age funerary pottery from Central Italy: An integrated study of compositional analyses and manufacturing traces, *Archaeometry*, 62 (4), 712-730.
(IF 2019: 1.519), DOI: 10.1111/arcm.12559.
- Bajeot, J., Caricola, I., **Medeghini, L.**, Vinciguerra, V., Forte, V (2020). An integrated approach based on archaeometry, use-wear analysis and experimental archaeology to investigate the function of a specific type of basin diffused in the Predynastic sites of lower Egypt (4th mill. BC), *Quaternary International*, 555, 135-149.
Cited 1 time (IF 2019: 2.003), DOI: 10.1016/j.quaint.2020.03.023.
- Fabrizi, L., Di Turo, F., **Medeghini, L.**, Di Fazio, M., Catalli, F., De Vito, C. (2019). The application of non-destructive techniques for the study of corrosion patinas of ten Roman silver coins: The case of the medieval Grosso Romanino, *Microchemical Journal*, 145, 419-427.
Cited 10 times (IF: 3.594), DOI: 10.1016/j.microc.2018.10.056.
- Di Fazio, M., Di Turo, F., **Medeghini, L.**, Fabrizi, L., Catalli, F., De Vito, C. (2019). New insights on medieval Provisini silver coins by a combination of non-destructive and micro-invasive techniques, *Microchemical Journal*, 144, 309-318.
Cited 10 times (IF: 3.594), DOI: 10.1016/j.microc.2018.09.016.
- De Vito, C., **Medeghini, L.**, Mignardi, S., Leccese, F (2018). Synthesis of amorphous Mg-Carbonates for the application in the production of advanced materials, 5th IEEE International Workshop on Metrology for AeroSpace, MetroAeroSpace 2018 - Proceedings, art. no. 8453526, 446-450.
Cited 1 time, DOI: 10.1109/MetroAeroSpace.2018.8453526
- Forte, V., Nunziante Cesaro, S., **Medeghini, L.** (2018). Cooking traces on Copper Age pottery from central Italy: An integrated approach comprising use wear analysis, spectroscopic analysis and experimental archaeology, *Journal of Archaeological Science: Reports*, 18, 121-138.
Cited 11 times. DOI: 10.1016/j.jasrep.2017.12.052.
- De Angelis, G., **Medeghini, L.**, Conte, A.M., Mignardi, S. (2017). Recycling of eggshell waste into low-cost adsorbent for Ni removal from wastewater, *Journal of Cleaner Production*, 164, 1497-1506.
Cited 46 times (IF: 5.651), DOI: 10.1016/j.jclepro.2017.07.085.
- **Medeghini, L.**, Nigro, L. (2017). Khirbet al-Batrawy ceramics: A systematic mineralogical and petrographic study for investigating the material culture, *Periodico di Mineralogia*, 86, 19-35.
Cited 8 times (IF: 1.351), DOI: 10.2451/2016PM665.
- De Vito, C., **Medeghini, L.**, Mignardi, S., Ballirano, P., Peyronel, L. (2015). Technological fingerprints of the Early Bronze Age clay figurines from Tell Mardikh-Ebla (Syria), *Journal of the European Ceramic Society*, 35 (13), 3743-3754.
Cited 16 times (IF: 2.933), DOI: 10.1016/j.jeurceramsoc.2015.06.009.
- Ballirano, P., De Vito, C., **Medeghini, L.**, Mignardi, S., Ferrini, V., Matthiae, P., Bersani, D., Lottici, P.P. (2014). A combined use of optical microscopy, X-ray powder diffraction and micro-Raman spectroscopy for the characterization of ancient ceramic from Ebla (Syria), *Ceramics International*, 40, 16409-16419.
Cited 33 times (IF: 2.605), DOI: 10.1016/j.ceramint.2014.07.149.
- Bersani, D., Berzioli, M., Caglio, S., Casoli, A., Lottici, P.P., **Medeghini, L.**, Poldi, G., Zannini, P. (2014). An integrated multi-analytical approach to the study of the dome wall paintings by Correggio in Parma cathedral, *Microchemical Journal*, 114, 80-88.
Cited 24 times (IF: 2.746), DOI: 10.1016/j.microc.2013.11.014.

- **Medeghini, L.**, Lottici, P.P., De Vito, C., Mignardi, S., Bersani, D. (2014). Micro-Raman spectroscopy and ancient ceramics: Applications and problems, *Journal of Raman Spectroscopy*, 45 (11-12), 1244-1250.
Cited 29 times (IF: 2.671), DOI: 10.1002/jrs.4583
- De Vito, C., **Medeghini, L.**, Mignardi, S., Orlandi, D., Nigro, L., Spagnoli, F., Lottici, P.P., Bersani, D. (2014). Technological fingerprints of Black-Gloss Ware from Motya (Western Sicily, Italy), *Applied Clay Science*, 88-89, 202-213.
Cited 22 times (IF: 2.467), DOI: 10.1016/j.clay.2013.12.026
- **Medeghini, L.**, Mignardi, S., De Vito, C., Bersani, D., Lottici, P.P., Turetta, M., Sala, M., Nigro, L. (2013). Is Khirbet Kerak Ware from Khirbet al-Batrawy (Jordan) local or imported pottery? *Analytical Methods*, 5 (23), 6622-6630.
Cited 14 times (IF: 1.938), DOI: 10.1039/c3ay41304g
- **Medeghini, L.**, Mignardi, S., De Vito, C., Bersani, D., Lottici, P.P., Turetta, M., Costantini, J., Bacchini, E., Sala, M., Nigro, L. (2013). The key role of micro-Raman spectroscopy in the study of ancient pottery: The case of pre-classical Jordanian ceramics from the archaeological site of Khirbet al-Batrawy, *European Journal of Mineralogy*, 25 (5), 881-893.
Cited 20 times (IF: 1.506), DOI: 10.1127/0935-1221/2013/0025-2332

-Other publications

- Masi A. & **Medeghini L.** (2020). Abstract Book of the Conference Science Applications Becoming Culture, EAN: 9788835374671, ISBN 978-883-537-467-1.
- Aurisicchio C. & **Medeghini L.** (2020), 5.3 – Analisi dei manufatti metallici dell’età del Rame provenienti dal territorio di Roma e suggerimenti sulla loro provenienza, in “Roma prima del mito: Abitati e necropoli dal neolitico alla prima età dei metalli nel territorio di roma (VI-III millennio a.C.) volume 2”, Anzidei, A.P. & Carboni, G. (eds.), pp. 531-548.
- Forte V. & **Medeghini L.** (2020), 7.1 – Analisi petrografica e chimica delle ceramiche preistoriche del territorio di Roma (IV-III millennio a.C.), in “Roma prima del mito: Abitati e necropoli dal neolitico alla prima età dei metalli nel territorio di roma (VI-III millennio a.C.) volume 2”, Anzidei, A.P. & Carboni, G. (eds.), pp. 611-616.
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