

Lisa Volpe

CONSERVATION SCIENTIST – CULTURAL HERITAGE

Born

October 1984

E-mail

lisa.volpe@cnr.it

- **Research activities** and **laboratory analyses** aimed to study different kind of inorganic materials used in Cultural Heritage sector: analysis by optical and electron microscopy (SEM/EDS), EDXRF.
- **Teaching** activity for university students (lectures, analysis workshops, tutoring, etc.), secondary and primary school students (teaching and laboratorial workshops).
- **Organizing committee** of training courses and events for enhancing and safeguarding cultural and environmental heritage.



Work experience

02/01/2024 –
today

Researcher

- CNR – Consiglio Nazionale delle Ricerche (Italy), permanent and full time contract
- Istituto di Scienze per il Patrimonio Culturale (CNR ISPC) – sede Firenze (Sesto Fiorentino, Florence)

09/09/2019 –
01/01/2024

Researcher

- ENEA – Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile (Italy), permanent and full time contract
- Dipartimento Unità Efficienza Energetica (DUEE-SPS-ESU) - Centro Ricerche Casaccia (Rome)

27/09/2018 –
30/06/2019

Teacher - Upper secondary school

- Ministero dell'Istruzione, dell'Università e della Ricerca
- Activities: teaching for disabled students at IIS Remo Brindisi (Lido degli Estensi, Ferrara), various disciplines (Mathematics, Physics, English, French, Food Sciences, Italian, etc.)

01/09/2018 –
26/09/2018

Post lauream Research fellowship

- University of Ferrara I Department of Architecture, CIAS
- Activities: microbiological decontamination techniques for environmental protection and cultural heritage safeguard.

May 2018 –
Agosto 2018

Fixed term contract (Contratto collaborazione occasionale)

- Consorzio Futuro in Ricerca I University of Ferrara
- Activities: technical advice and data processing related to biological monitoring in health-environmental field and in the safeguard of cultural heritage.

01/05/2017 –
30/04/2018

Post Doc Research fellowship (ssd ING-IND/10)

- University of Ferrara I Dipartimento di Architettura
- Activities: data processing to evaluate microbiological and chemical decontamination procedures for environmental protection (health sector) and cultural heritage safeguard.

February 2017 -
March 2017

Counselling for supporting a dating studies of Contemporary Art painting (unpaid counselling)

- CNR ISAC - Bologna I University of Ferrara
- Activities: chemical-physical and mineralogical analysis on pictorial samples, data processing to support dating study of the painting "Englishman in Moscow" (remake?, 20th century. Private collection) attributed to Kazimir Malevich.

01/02/2011 –
31/01/2017

Assegno di ricerca (ssd GEO/07)

- University of Ferrara I Dipartimento Fisica e Scienze Terra
- Activities: physical-chemical and mineralogical **analysis** devoted to characterize several kind of inorganic materials (rocks, pigments, cements, mortars, glass, bricks, etc.), **management** and participation in promotional activities for the research group at events and exhibition fairs (Restauro Ferrara from 2011 to 2015; R2B from 2011 to 2014; SAIE from 2011 to 2014, REMTECH from 2013 to 2014), **organizational committee** (see organizational capabilities), collaboration in drafting **project** proposals (TEA grant agreement no. 228330 - 7FP EU Charisma, e3D H2020 refl. 7-14 n.665106, eMuvi H2020 refl. 6-15 n. 693603), **teaching activity** analysis lab.

September 2015
December 2015
(20 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara
- Activities: laboratorio per il corso “Petrografia per i Beni Culturali” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2015/2016).

September 2014
January 2015
(20 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara
- Activities: laboratorio per il corso “Petrografia per i Beni Culturali” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2014/2015).

November 2013
January 2014
(20 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara
- Activities: laboratorio per il corso “Petrografia per i Beni Culturali” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2013/2014).

November 2011
January 2012
(20 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara (attività non retribuita)
- Activities: laboratorio per il corso “Petrografia per i Beni Culturali” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2011/2012).

November 2011
January 2012
(20 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara
- Activities: laboratorio cartografia per il corso “Scienze della Terra” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2011/2012).

October 2010 -
January 2011
(10 hours)

Teaching activities (Contratto Supporto alla didattica)

- University of Ferrara
- Activities: laboratorio litologia per il corso “Scienze della Terra” (studenti laurea triennale in “Scienze e Tecnologie per i Beni Culturali”, a.a. 2010/2011).

February 2010 –
December 2010

Research fellowship SPINNER

- Global Grant Spinner I ENEA - Bologna
- Activities: drafting of AIDA proposal project (financed) related to valorization of cultural heritage; drafting of AIDA business plan, promotional activities, AIDA’s research and development (laboratory analysis on CH samples).

July 2009 –
December 2009

Collaborator in Cataloging Campaign of Architectural Heritage (unpaid activity)

- Arch. Luisa Astori I Regione Veneto I Consorzio Bonifica Padana Polesana (Ro) I Consorzio Delta Po Adige (Ro)
- Activities: cataloging activities of Architectural Heritage (XIX-XX d.C.) ICCD legislation, archive research, cartographic study, photographic documentation.

Science communication

- Educational and laboratorial workshop for minors

October 2014 –
today

Scientific dissemination activity and laboratory activity aimed at minors (NOVA APS, CNR, University of Ferrara)

- [NOVA Aps](#) association (member since 2018 to 2024)
- Educational workshop for minors in the following events:
 - Scienza Estate 2024, CNR – ISPC activity “Sfida a colori” (Area Ricerca CNR Sesto F.no -Fi);
 - Festival della Scienza “How I met science” 2022 (University of Ferrara - Scienziati Irriducibili), NOVA Aps laboratorial workshop “Cristallomagia: pitturiamo con i minerali”;
 - UniJunior Ferrara 2019 (University of Ferrara, in collaborazione con Scienziati Irriducibili), NOVA Aps laboratorial workshop on pigments;
 - NOVA Aps laboratorial workshop HIMS “Art-CSI: autentico o falso? Ci può aiutare la Scienza?” for students of Scientific Lyceum Ariosto (Ferrara);
 - NOVA Aps laboratorial workshop at Summer Camp UISP 2019, etc.
 - Festival della Scienza “How I met Science” (University of Ferrara – Scienziati Irriducibili), ed. 2018, 2019 – NOVA Aps Geology laboratorial workshop;
 - UniJunior Ferrara (University of Ferrara) 2017;
 - “How I met Science” project (Scienziati Irriducibili - University of Ferrara), a. a. 2017/2018 (Chemistry lab), 2018/2019 (Geology and Biology lab);
 - Festival della Scienza HSI 2018 (Scienziati Irriducibili - University of Ferrara), Geology educational workshop;
 - Festival della Scienza HSI 2019 (Scienziati Irriducibili - University of Ferrara), Geology educational workshop;
 - laboratorial workshop on pigments at events «Porte Aperte al Polo Università Ferrara» - 2017;
 - laboratorial workshop on pigments – events «Una Notte da Scienziato 2016»;
 - laboratorial workshop on pigments at events «Porte Aperte al Polo Università Ferrara» - 2016;
 - laboratorial workshop on pigments at events «Porte Aperte al Polo Università Ferrara» - 2015;
 - laboratorial workshop on pigments at events «Porte Aperte al Polo Università Ferrara» - 2014.

Education

- Training course 24 CFU (FIT program)
- PhD in Earth Science
- Master’s degree
- Bachelor’s degree
- Stage in national and international research institutes



Education

January 2018 -
July 2018

Training course 24 CFU (FIT – Formazione Iniziale Tirocinio insegnanti ai sensi del D. Lgs. 13 aprile 2017, n.59)

- University of Bologna
- Exams:
 - Psicologia (22/06/2018, exam vote : 30/30),
 - Pedagogy, special pedagogy and didactics of inclusion (21/06/2018, exam vote: 24/30);
 - Antropology (19/07/2018, exam vote : 30/30 cum laude);
 - Teaching methodologies and technologies (20/07/2018, exam vote: 30/30).

01/01/2010 -
22/03/2013

PhD in Earth Science with **Doctor Europaeus** additional certification

- University of Ferrara (dottorato senza borsa di ricerca)
- Thesis: interactive database to support study and handling of works of art. Chemical-physical and mineralogical analysis on paintings’ materials (EDXRF, SEM/EDS, micro-Raman, XRD, OM).
- Vote: **Excellent**
- Award: Best PhD thesis in Earth Science 25th cycle

October 2006 -
24 March 2009

Specialistic’s Degree in “Conservation and Diagnostic of Modern and Contemporary Artworks” (Master’s Degree LS 12/S)

- University of Ferrara
- Thesis: chemical and petrographic studies for pictorial materials characterization of mural paintings of the Sala Grande’s basement in Casa Vasari (Florence).
- Vote: **110/110 e la lode**

September 2003–
19 October 2006

Bachelor's Degree in “Technologies for Cultural Heritage” (LT 41)

- University of Ferrara
- Thesis: biological and petrographic studies aimed to test an innovative cleaning method based on hydro-thermalized igneous rocks.
- Vote: **110/100 e la lode**

September 1998 –
August 2003

Secondary school certificate - Scientific Lyceum, P.N.I. program

- Liceo Scientifico Statale “P. Paleocapa” (Rovigo, RO)
- P.N.I. program (indirizzo Piano Sperimentale Matematico, Fisico ed Informatico)
- Vote: **80/100**

Specific training courses

February 2018

Basic First aid training (12 hours)

- TekneHub, Technology Safety & Health, University of Ferrara, Consorzio Futuro in Ricerca

2024, 2015

Training course in **“Radiation protection at the workplace”**

- CNR (2 hours), 08/05/2024;
- University of Ferrara (6 hours), 28/05/2015.

04/09/2012- 30/09/2012	PhD visiting - AGLAE Laboratory (laboratori C2RMF Louvre, Parigi) - Centre de Recherche et de restauration des musées de France <u>Activities</u>: IBA analysis (PIXE) - TEA grant agreement no. 228330 - 7FP EU Charisma
08/07/2012- 20/07/2012	GLOGE 2012 – Erasmus Intensive Program Spain - University of Salamanca (Spagna) <u>Activities</u>: petrographic studies of materials and state of conservation of historical buildings in Salamanca
28/05/2012- 01/07/2012	PhD visiting Granada (Spagna) - University of Granada I Dipartimento di Mineralogia e Petrologia - PhD research activities
05/07/2011- 22/07/2011	PhD visiting València (Spagna) - University of València I Science Material Institut - Winner of IUSS Mobility Grant for PhD Students of University of Ferrara <u>Activities</u>: EDXRF in situ (Museo Nacional de Cerámica y de las Artes Suntuarias <i>González Martí</i>).
18/02/2010 – 28/01/2013	PhD stage - ENEA - ENEA – Bologna I Electron Microscopy laboratory <u>Activities</u>: SEM/EDS analysis on Cultural Heritage materials; collaboration in the project for the reconstruction plan of the historic centre of Arsita (Teramo) – ENEA UTSISM.
May 2009 – February 2010	Post lauream stage - ENEA - ENEA – Bologna I Laboratorio Microscopia Elettronica <u>Activities</u>: SEM/EDS analysis on Cultural Heritage materials data processing and analytical report.
October 2008 – January 2009 (95 hours)	Extra-curricular stage - ENEA - ENEA – Bologna I Laboratorio Microscopia Elettronica <u>Activities</u>: Optical microscopy, samples' preparation for SEM/EDS analysis, data processing, analytical report.
June 2008 – July 2008 (80 hours)	Curricular Stage – Master's degree (Laurea Specialistica) - University of Ferrara I Department of Earth Science <u>Activities</u>: Optical microscopy, samples' preparation for XRF analysis of metal finds from Porta Paula archeological situ (Ferrara)
May 2006 – July 2006 (75 hours)	Stage curriculare – Bachelor's degree - University of Ferrara I Department of Cytophysiology <u>Activities</u>: traditional cultures of microorganisms (bacteria, algae, fungi) in axenic environment, OM observation and sample preparation for TEM.
September 2004 (15 days)	Archaeological excavation campaign - University of Ferrara I Department of Humanities Studies <u>Activities</u>: excavation, screening and archiving operations of finds – Epigravettian and Mousterian deposits ("Riparo Tagliente" situ, Grezzana, Verona).

Language skills

- English
- French

Informatic skills

- Office
- Image
- Database

Personal skills

- Organization
- Communication
- Problem solving
- Team-oriented and individual work



Language skills

	Inglese	Francese
Capacità di lettura	B2	A2
Capacità di scrittura	B2	A2
Capacità di espressione orale	B2	A2



Informatic skills

- Suite Office for Window e for Mac (Microsoft Word, Microsoft Power Point, Microsoft Excel, Microsoft Access, Pages, Calc, Keynote, Chrome, Safari), piattaforma M. Teams e M. Forms.
- Image processing (es. Gimp) and video (iMovie).
- Cataloguing program for CH (SIGEC-CAT 2009, RVG-RDO).



Personal skills and competences

- Aptitude for team and individual work.
- Problem solving capacity.**
- Relational and communication skills** improved thanks to the interdisciplinarity and to different type of work experiences (collaborations with academic national and international research groups and institutions, teaching activities at University and at School, lectures and workshops, events and fairs, training courses for educators, speakers at national and international conferences, etc.).



Organizational skills

- Organizational skills** acquired over the years and improved by diversified organizational experiences (es. Training course ENEA DUEE Energy Manager, Energy Referent for Italian Ministry of Defence (Rome 2021, 2022, 2023); Summer School ENVIMAT 2015 (Ferrara, 30/06/2015 – 02/07/2015); Summer School WARBO 2013 (Ferrara, 02/09/2013 - 06/09/2013); 16thInternational Conference on Image Analysis and Processing ICIAP 2011 (Ravenna 14/09/2011 -16/09/2011); HeritageTec program (Ferrara, 22/11/2010 - 25/11/2010).

Certifications

- Collaboratore restauratore
- Expert in Diagnostic for Cultural Heritage list (Ist division)
- Tecnic-scientific figure list, La Venaria Reale

Awards

- Menzione Speciale Niccolò Copernico
- Miglior Tesi di Dottorato

Other

- Driving license B
- Publications



Certifications

- Certification of **“Collaboratore restauratore dei beni culturali – tecnico del restauro”** (Decreto del MiBACT n.38 del 23/03/2016), list drawn up by the Italian Ministry of Cultural Heritage and Activities and Tourism.
- Registered in National list **“Esperti di diagnostica e di scienza e tecnologia applicate ai Beni Culturali” – I° fascia (EQF 8)** (MIBAC-UDCM REP. Decreti 20/05/2019 n.244).
- Registered in the list **“ Elenco di figure tecnico-scientifiche valutate idonee al conferimento di incarichi professionali nell'ambito delle attività di diagnostica per la Conservazione dei Beni Culturali di competenza dei laboratori scientifici della Fondazione Centro per la Conservazione ed il Restauro “La Venaria Reale” (Torino)”**: 2017-2020, 2021- 28/02/2023.
- **ECDL Core** (European Computer Driving License) Informatic certificate n. IT1397850, February 2011.



Awards

- **Menzione Speciale “Niccolò Copernico” 2014** for innovative PhD thesis in Science and technology field.
- **Best PhD thesis in Earth Science 25th cycle** (2013) – University of Ferrara.



Associations

- **Associazione Nazionale degli Esperti di Diagnostica e di Scienze e Tecnologie applicate ai Beni Culturali** (ANEDbc - member n.93), member since 2017 to today.
- **Associazione di Promozione Sociale NOVA A.P.S. (Ferrara)** devoted to scientific dissemination and promotion (STEAM disciplines) through didactic laboratory; member since 2018 to January 2024.
- **Associazione Italiana di Archeometria (AIAr)**, member since 2024 to today.



Other

- **Driving licence B.**
- Publications (in attach).

The undersigned consents to the processing of own personal data pursuant to Legislative Decree 30/06/2003 n. 196 “Code on the Protection of Personal Data” and Article 13 of the GDPR (EU Regulation 2016/679). The undersigned is aware, moreover, of the criminal penalties provided for in Presidential Decree 28/12/2000 n. 445 and she declares that the information reported in this curriculum is truthful.

Florence, 02/02/2026

Firma
Lisa Volpe

Research articles



Publications

1. S. Di Turi, D. Palladino, G. Caffari, G. Centi, F. Margiotta, L. Ronchetti, P. Signoretti, **L. Volpe** (2023). “Efficientamento energetico di complessi di edifici storici e vincolati: caratterizzazione di casi studio reali (LA1.4)”, Report Ricerca di Sistema Elettrico, Accordo di Programma Ministero dell’Ambiente e della Sicurezza Energetica – ENEA, Piano Triennale di Realizzazione 2022-2024.
2. M. Zinzi, **L. Volpe**, C. Romeo, A. Castaldo, E. Gambale, G. Vitiello, S. Agnoli (2023). “Stato dell’arte e analisi preliminari di materiali e componenti per sistemi di involucro edilizio dinamici e ad alte prestazioni (LA1.8)”, Report Ricerca di Sistema Elettrico, Accordo di Programma Ministero dell’Ambiente e della Sicurezza Energetica – ENEA, Piano Triennale di Realizzazione 2022-2024.
3. E. Marrocchino, C. Telloli, F. Faccia, A. Rizzo, **L. Volpe** (2021). “Morphological and chemical analysis of tremolite related to natural asbestos in the road paving”, Episodes, 2021, 43(3), pp. 869–879, DOI: 10.18814/epiugs/2020/0200s05.
4. P. Bellintani, N. De Gasperi, M. Bassetti, N. Martinelli, O. Pignatelli, M. Marchesini, S. Marvelli, S. Biagioni, E. Rizzoli, **L. Volpe**, C. Vaccaro (2021). “Il sito fusorio di Segonzano località Piciapian. Ricerche 2007, 2008, 2011, 2013” in P. Bellintani, E. Silvestri (2021) “Fare Rame. La metallurgia primaria della tarda età del Bronzo in Trentino: nuovi scavi e stato dell’arte della ricerca sul campo”, Provincia autonoma di Trento, Soprintendenza Beni Culturali – Ufficio beni archeologici, pp. 13-78, 2021. ISBN 978-88-7702-506-7.
5. P. Bellintani, N. De Gasperi, M. Bassetti, **L. Volpe**, C. Vaccaro (2021). “I siti fusori di Transacqua località Pezhe Alte e Acquedotto del Faoro. Ricerche 2007 e 2008” in P. Bellintani, E. Silvestri (2021) “Fare Rame. La metallurgia primaria della tarda età del Bronzo in Trentino: nuovi scavi e stato dell’arte della ricerca sul campo”, Provincia autonoma di Trento, Soprintendenza Beni Culturali – Ufficio beni archeologici, pp. 117-144, 2021. ISBN 978-88-7702-506-7.
6. A. Impallaria, S. Mazzacane, F. Petrucci, F. Tisato, **L. Volpe** (2020). “Portable XRF device reveals the artistic palette of Carlo Bononi, Baroque artist from Ferrara”, X-Ray Spectrometry, Volume 49, Issue 3, 1 May 2020, pp. 442-450. DOI: 10.1002/xrs.3139.
7. A. Amato, N. Calabrese, C. Lavinia, **L. Volpe** (2020). “Riqualificazione energetica del patrimonio immobiliare di edilizia residenziale pubblica”, ENEA Energia, Ambiente e Innovazione, 03/2020, pp. 87-91. DOI: 10.12910/EAI2020-075.
8. H. Gomes, P. Rosina, N. Guidon, C. Buco, T. dos Santos, **L. Volpe**, C. Vaccaro, G. H. Nash, S. Garcês (2019). “Identification of organic binders in pre-historic pigments through multiproxy archaeometric analyses from the Toca do Paraguaio and Boqueirão da Pedra Furada Shelters (Serra da Capivara National park, Piauí, Brazil)”, Rock Art Research, Vol. 36, Number 2, pp. 000-000.
9. E. Caselli, S. Pancaldi, C. Baldisserotto, F. Petrucci, A. Impallaria, **L. Volpe**, M. D’Accolti, I. Soffritti, M. Coccagna, G. Sassu, F. Bevilacqua, A. Volta, M. Bisi, L. Lanzoni, S. Mazzacane (2018). “Characterization of biodegradation in a 17th century easel paintin and potential for a biological approach”, PLoS ONE 13(12): e0207630. [https:// doi.org/10.1371/journal.pone.0207630](https://doi.org/10.1371/journal.pone.0207630).
10. P. Rosina, H.F. Gomes, H.G. Collado, M. Nicoli, **L. Volpe**, C. Vaccaro (2018). “Micro-Raman spectroscopy for the characterization of rock-art pigments from Abrigo del Aguila (Badajoz – Spain)”, Optics and Laser Technology 102, 274-281. <https://doi.org/10.1016/j.optlastec.2018.01.015>.
11. H.G. Collado, J.J. Garcia Arranz, I.D. Garcia, S. Cura, S. Palomo, M. Nicoli, **L. Volpe**, C. Vaccaro (2017). “Sondeos arqueológico en la Cornisa de la Calderita: resultados preliminares” in H.G. Collado, J.J. Garcia Arranz, I.D. Garcia “Corpus de arte rupestre en Extremadura”, Vol. 4, ISBN: 978-84-9852-532-8.
12. P. Holakoei, M. Ahmadi, **L. Volpe**, C. Vaccaro (2016). “Early opacifiers in the glaze industry of first millenium BC Persia: Persepolis and Tepe Rabat”, Archaeometry ••, •• (2016) ••–••, DOI: 10.1111/arc.12255
13. J. Arnaud, S. Benazzi, M. Romandini, A. Livraghi, D. Panetta, P. A. Salvadori, **L. Volpe**, M. Peresani (2016). “A Neanderthal deciduous human molar with incipient carious infection from the Middle Palaeolithic De Nadale cave, Italy”, Am. J. Phys. Anthropol., 161 (2), 1-7. DOI: 10.1002/ajpa.23111.

Research articles

14. F. Buccheri F., D. F. Bertè, G.L.F. Berrutti, I. Cáceres, **L. Volpe**, M. Arzarello (2016). "Taphonomic analysis on fossil remains from the Ciota Ciara cave (Piedmont, Italy) and new evidence of cave bear and wolf exploitation with simple quartz flakes by Neanderthal", *Research in Paleontology and Stratigraphy*, 122(3), 41-54. ISSN: 2039-4942
15. G. Nash, S. Garcés, H. Gomes, P. Rosina, M. Nicoli, **L. Volpe**, C. Vaccaro (2016). "Assessing the geochemistry of possibile inorganic applied pigments within cathole cave, gower peninsula, South Wales", *Proc. Univ. Bristol Spelaeol. Soc.*, 27 (1), 81-94. ISSN: 0373-7527.
16. H. Gomes, H. Collado, A. Martins, G.H. Nash, P. Rosina, C. Vaccaro, **L. Volpe** (2015). "Pigment in western Iberian Schematic rock art: An analytic approach", *Mediterranean Archaeology & Archaeometry (MAA)*, Vol. 15 (1), pp. 163-175. ISSN (online version): 2241-8121. DOI: 10.5281/zenodo.15050
17. **L. Volpe** (2013). "Earth Science and Modern-Contemporary art: fingerprints for the safeguard of artworks in view of Fine Arts transportation", extended abstract Tesi Dottorato, *Plinius (Italian suppl. Eur. J. Mineralogy)*, 39 vol., 121-125
18. S. Bruni, G. Maino, E. Marrocchino, C. Vaccaro, **L. Volpe** (2013). "A study of the Civic Tower in Ravenna as an example of medieval towers' preservation problems". *Eur. Phys. J. Plus* (2013) 128: 33. DOI 10.1140/epjp/i2013-13033-1
19. S. Bruni, G. Maino, C. Vaccaro, **L. Volpe** (2012). "Investigation and characterization of artistic techniques in works of Modern and Contemporary Art". *EAI-Energia, Ambiente e Innovazione*, bimestrale ENEA – Special Issue Knowledge, Diagnostics and Preservation of Cultural Heritage
20. **L. Volpe**, M. Leis, C. Vaccaro (2012) "Valorizzazione del patrimonio monumentale della Certosa di Bologna attraverso analisi biologiche e petrografiche", *Annali of University of Ferrara, Museologia Scientifica e Naturalistica*, Vol.8/1 (2012), pp. 83-90. ISSN 1824-2707
21. M. Leis, E. Marrocchino, C. Vaccaro, **L. Volpe** (2012) "Ricerche storiche e conservative del patrimonio rurale della provincia di Ferrara: il caso studio di villa La Mensa (Sabbioncello San Vittore, Copparo, Ferrara)", *Annali dell'Università di Ferrara, Museologia Scientifica e Naturalistica*, Vol.8/1 (2012), pp. 91-98. ISSN 1824-2707
22. N. Abu Zeid, A. Pancaldi, G. Santarato, **L. Volpe** (2012) "Un esempio di diagnostica non invasiva integrata: indagini georadar e termografiche per la caratterizzazione di una parete di Villa "La Mensa" di Sabbioncello San Vittore (Ferrara)", *Annali dell'Università di Ferrara, Museologia Scientifica e Naturalistica*, Vol.8/1 (2012), pp. 125-131. ISSN 1824-2707
23. E. Marrocchino, R. Tassinari, C. Vaccaro, **L. Volpe** (2008). "Studio petroarcheometrico di pani metallici provenienti dallo scavo di Porta Paula" in "Un approdo a Ferrara tra Medioevo ed Età Moderna: La barca di Porta Paula" a cura di Guarnirei Chiara. Editore Ante Quem soc. coop. ISBN 978-88-7849-030-7.

Collaborazione (svolgimento analisi SEM/EDS):

1. Posenato R., Bassi D., Nebelsick J.H. (2013). "Opisoma excavatum Boehm, a Lower Jurassic photosymbiotic alatoform-chambered bivalve", *Lethaia Volume 46, Issue 4*, pp. 424–437. DOI: 10.1111/let.12020.

Conferences



Congressi e proceedings

Conferences presentations

1. S.M.E. Mangani*, E. Cantisani, L. Cappuccini, A. Gaucci, C. Moscardo, C. Trevisanello, **L. Volpe**, S. Raneri (2025). "Archaeometric Analysis of Cu-Alloys in 1st Millennium BCE Northern Apennines: Exploring Etruscan Settlements and Resource Use", oral presentation XIII Congresso Nazionale AIAR, Palermo 12-14 February 2025 (Palermo);
2. C. Vaccaro*, R. Punturo, **L. Volpe**, E. Marrocchino, M. Rizzo, C. Ricchiuti, M. Mannino (2018). "Tremolite-bearing marbles from Namibia exploited as dimension stone: preliminary mineralogical and petrographic characterization", oral presentation Congresso SGI – SIMP Catania 2018, Catania 12-14 September 2018.
3. A. Impallaria*, **L. Volpe**, F.C. Petrucci, F. Tisato (2018). "The artistic palette of Carlo Bononi, Baroque artist of Ferrara", oral presentation 10th Congresso Nazionale AIAR, Torino 14-17 February 2018.
4. **L. Volpe**, G. Maino, C. Vaccaro* (2016). "Multianalytical investigation for dating purpose of contemporary artworks: test case on "Cubist Figure", attributed to Pablo Picasso", 88th -Congresso della Società Geologica Italiana (Napoli, 7-9 September 2016), in Rendiconti online della Società Geologica Italiana, volume 40/2016 - session S 34. Cultural Heritage in marine and subaerial environment: knowledge, development, fruition and protection, DOI: 10.3301/ROL.2016.79
5. **L. Volpe***, C. Vaccaro, M. Leis (2015). "Art CSI: When Science Solves the Puzzle of Forgery. The Case Study "Vase of Flowers", Painting Attributed to Filippo De Pisis (1896-1956)", 7° Interdisciplinary Art Crime Conference - ARCA (Association for Research into Crimes against Art), Amelia (TR), 26-28 June 2015.
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9. L. Baraldi, S. Bruni*, G. Maino, C. Vaccaro, **L. Volpe** (2011). "Stereomicroscope and SEM microanalysis study on parchments sec. XVI", oral presentation in "Conference on studies of ancient parchments", satellite event ICIAP 2011, Ravenna, 14 September 2011.
10. S. Bruni, G. Maino, E. Marrocchino, C. Vaccaro, **L. Volpe*** (2011). "Diagnostic methodologies and characterization of artistic techniques in modern and contemporary artworks", Proceedings Convegno nazionale AIAR Science for Contemporary Art, Ferrara, 1-4 March 2011.

* speaker

Convegni (poster)

Conferences (poster presentation)

1. **L. Volpe**, E. Cantisani, L. Cappuccini, A. Gaucci, S.M.E. Mangani, C. Trevisanello, S. Raneri (2025). "Archaeometric study Etruscan Coarse Ware from Northern Apennines (6th-4th century BCE): Preliminary Results", poster XIII Congresso Nazionale AIAR, Palermo 12-14 February 2025 (Palermo);
2. **L. Volpe** (2018). "Pigment analysis as dating tool: multi-analytical study of the painting Fiori (oil on canvas, 20th century), alleged to Filippo De Pisis" (poster), 3rd International Conference on Innovation in Art Research and Technology (InART), Parma 26-29 March 2018.

3. M. Nicoli, C. Vaccaro, P. Rosina, H. Gomes, H. Collado Giraldo, **L. Volpe**, M. Leis (2015). "Rock-Art Pigments and Biodegradation: New Biocide Products", poster 11° Congresso Iberico de arqueometria (Evora, 14-16 October 2015).
4. **L. Volpe**, C. Vaccaro (2014). "Can Microscopy help in the identification of counterfeit artworks? Test on Vase of flowers, attributed to Italian artist Filippo De Pisis", proceedings of IMC 2014 (18th International Microscopy Congress) – symposium ID-7. Microscopy in arts, restoration and archeology, Praga (Rep. Ceca) 7-12 September 2014, p. 4080-4081. ISBN 978-80-260-6720-7.
5. C. Soffritti, **L. Volpe**, E. Fabbri, M. Merlin, A. Fortini, G.L. Garagnani (2014). "I falsi nell'arte africana: caso studio di una figura da reliquiario (Mbulu-Ngulu) proveniente dal Gabon", proceedings 35° Conferenza nazionale AIM, Roma 5-7 November 2014.
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10. C. Soffritti, **L. Volpe**, M.T. Camerada, C. Vaccaro, M. Leis, G.L. Garagnani (2014). "The memorial to Natale Magnani (Certosa of Bologna, 1906): state of conservation in 8° Convegno nazionale dell'Associazione Italiana di Archeometria Scienze e Beni Culturali: stato dell'arte e prospettive, Bologna, 5-7 February 2014.
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15. M. Indirli, S. Bruni, E. Candigliota, F. Geremei, F. Immordino, L. Moretti, D. Abate, G. Furini, S. Pierattini, A. Screpanti, M. Angelini, T. Gambatesa, C. Massaia, A. Formisano, G. Florio, R. Fonti, A. Marzo, A. Tralli, C. Vaccaro, **L. Volpe**, E. Spacone, E. Miccadei, M. Cavaliera (2012). "Assessment of historic centres through a multidisciplinary approach based on the simultaneous application of Remote Sensing, GIS and quick procedures for survey and vulnerability evaluation: the Arsita case", EACH proceedings 5° International Congress "Science and technology for the safeguard of Cultural heritage in the Mediterranean basin", Istanbul (Turchia) 22-25 November 2011, Vol. II, No. 1, pp. 189-196.
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20. **L. Volpe**, E. Marrocchino, M. Bonora, M.R. Bovolenta, S. Bruni, S. Botticelli, C. Vaccaro (2010). "Characterization of mural paintings of the base of the Great Hall of the Casa Vasari (Florence)", in 6° Convegno nazionale dell'Associazione Italiana di Archeometria Scienze e Cultura, Pavia, 15-18 February 2010.

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