

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Name
Address
Telephone
Fax
E-mail

Nationality
Date of birth

25/01/2022

NATIONAL SCIENTIFIC QUALIFICATION AS ASSOCIATE IN THE ITALIAN HIGHER EDUCATION SYSTEM, IN THE CALL 2021/2023 FOR THE DISCIPLINARY FIELD OF 02/D1 -APPLIED PHYSICS, PHYSICS TEACHING AND HISTORY OF PHYSICS. (ACADEMIC RECRUITMENT ACCORDING TO THE NATIONAL CLASSIFICATION).

WORK EXPERIENCE

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

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2001-

Ars Mensurae, 29, via Giovanni Aretusi, 00188, Rome, Italy (www.arsmensurae.it)

Spectroscopy on Cultural Heritage and Bio-Medical

CEO and Scientific Director

Plans diagnostic campaigns, coordinates technical teams, develops new instruments and procedure.

2016-2018

Sapienza University, Molecular Medicine Department, Rome

Research grant, "Analyses of scintillation crystals in monolithic and matricial bulk form"

Researcher

Development of non invasive SOP on hygroscopic crystals for qualitative and quantitative analyses

2002-

University "La Sapienza"

Teaching and dissertation tutoring

Adjunct Professor

Medical Physics (II Faculty of Medicine and Surgery), laboratory of Physics and laboratory of Archaeometry (Faculty of Mathematical, Physical and Natural Science).

2008

Sapienza University, Experimental Medicine Department, Rome

Research grant, "PET / SPECT imaging tomography in dual mode of breast cancer", Ricerche di Ateneo 2006

Researcher

Development and calibration of the detectors

- Dates
- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Main activities and responsibilities

2007

Sapienza University, Experimental Medicine Department, Rome

Research grant, "Modular SPET cerebral tomography for submillimeter spatial resolution", Ricerche di Ateneo 2004

Researcher

Improvement of hardware and writing of DAQ software

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2005-2009

Tari scpa Marcanise Caserta

Gold alloys

Director of laboratory

Non invasive XRF analyses on jewelry, determination of fineness in gold alloys

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

1989-1990

Italian Army

Anti-aircraft artillery.

Lieutenant

Operative Platoon commander.

EDUCATION AND TRAINING

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

2001

Faculty of Science University of Rome "La Sapienza"

Basic and Advanced Physics. Developing of research abilities

Degree of Physics (109/110)

ISCED 5A

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH

EXCELLENT

EXCELLENT

EXCELLENT

GERMAN

GOOD

GOOD

GOOD

SOCIAL SKILLS AND COMPETENCES

Attitude to the interdisciplinary research work. Excellent relational skills.

ORGANIZATIONAL SKILLS AND COMPETENCES

He coordinates national and international projects devoted to the development of new scientific instruments applied to Cultural Heritage and software development for Bio-Medical being principal investigator and investigator.

He is CEO of Ars Mensurae in Rome and coordinates the work of the technical teams.

TECHNICAL SKILLS AND COMPETENCES

He is an expert of ND techniques applied to the diagnostic procedures in the field of Conservation. He is an expert in software development for spectroscopy applied to Bio-Medical. The main subjects of his activities are: X rays, imaging and spectrometry and development of related instrumentation. Multispectral imaging techniques.

OTHER SKILLS AND COMPETENCES

His research interest has been focused on the development of ND techniques, applied nuclear physics, imaging and image processing, archaeometry and conservation. He is author of several papers concerning the x ray physics and the development of techniques and procedures in journals of applied physics and, more recently, on case studies concerning the diagnostics on Cultural Heritage.

He is involved in international collaboration and was invited speaker in national and international conferences.

He is scientific expert for UNESCO for international missions in Serbia, Albania, Haiti.

He is scientific expert for IAEA (International Atomic Energy Agency) since 2010 with missions on the use of nuclear techniques for Cultural Heritage in Serbia, Albania, Turkey, EAU.

EDUCATIONAL ACTIVITIES AT UNIVERSITY LEVEL IN ITALY

Sapienza University

Science and Technology for the Conservation of Cultural Heritage (Faculty of Mathematics, Physics and Natural Science)

2023-2024 Adjunct professor "Archaeometry" (3 CFU)

2022-2023 Adjunct professor "Archaeometry" (3 CFU)

2021-2022 Adjunct professor "Archaeometry" (3 CFU)

2020-2021 Adjunct professor "Archaeometry" (6 CFU)

2019-2020 Adjunct professor "Archaeometry" (6 CFU)

2018-2019 Adjunct professor "Archaeometry" (6 CFU)

2017-2018 Adjunct professor " Laboratory of Archaeometry " (3 CFU)

2016-2017 Adjunct professor " Laboratory of Archaeometry " (3 CFU)

2014-2015 Adjunct professor "Laboratory of Physics" (3 CFU)

2013-2014 Adjunct professor " Laboratory of Physics" (3 CFU)

2012-2013 Adjunct professor " Laboratory of Physics" (3 CFU)

2011-2012 Adjunct professor " Laboratory of Physics" (3 CFU)

2010-2011 Adjunct professor " Laboratory of Physics" (2 CFU)

2009-2010 Adjunct professor " Laboratory of Physics" (2 CFU)

Medical Physics (II Faculty of Medicine and Surgery)

2011-2012 Adjunct professor "Medical Physics" (MED 36)

2010-2011 Adjunct professor "Medical Physics" (MED 36)

2009-2010 Adjunct professor "Medical Physics" (MED 36)

2008-2009 Adjunct professor "Medical Physics" (MED 36)

2007-2008 Adjunct professor "Medical Physics" (MED 36)

2006-2007 Remedial courses in "Medical Physics"

2005-2006 Remedial courses in "Medical Physics"

2004-2005 Remedial courses in "Medical Physics"

2003-2004 Remedial courses in "Medical Physics"

2002-2003 Remedial courses in "Medical Physics"

ISCR (Istituto Superiore per la Conservazione ed il Restauro) Rome and Matera

2023-2024 Adjunct professor "The chemistry of metals and alloys" (3 CFU)

2022-2023 Adjunct professor "The chemistry of metals and alloys" (3 CFU)

2021-2022 Adjunct professor "The chemistry of metals and alloys" (3 CFU)

2020-2021 Adjunct professor "The chemistry of metals and alloys" (3 CFU)

Teaching activity in "International project for education on Cultural Heritage"

2018 "Diagnostics on Cultural Heritage" (4 CFU), Rome

2017 "Diagnostics on Cultural Heritage" (3 CFU), Sarajevo, Bosnia Herzegovina

IRR (Istituto Restauro Roma)

2023-2024 Adjunct professor "Material technology" (6 CFU)

2022-2023 Adjunct professor "Material technology" (6 CFU)

2021-2022 Adjunct professor "Material technology" (6 CFU)

2020-2021 Adjunct professor "Material technology" (6 CFU)

Palermo University

Teaching activity in II level Master "Researcher in nanotechnology for Cultural Heritage"

2015-2016 "Diagnostics on Cultural Heritage" (3 CFU),

DIAGNOSTIC EDUCATIONAL YARD

The Diagnostic Educational Yard is an innovative way to educate university students to Science applied to Cultural Heritage.

2014 Musei Capitolini: "Natura morta" from a 17th century artist. 21 Students for the Sapienza international Master course ArchMat and mixed courses

2015 Museo Napoleonico: "Napoleone nel costume SACRE" from Casarine Henriette Flore Davin. 22 Students for the Sapienza international Master course ArchMat and mixed courses

2016 Galleria Nazionale di Arte Moderna e Contemporanea: "Allo specchio" from Giacomo Balla. 33 Students for the Sapienza international Master course ArchMat and mixed courses

2017 Museo Canonica Roma: "Self portrai"t from Pietro Canonica. 32 Students for the Sapienza international Master course ArchMat

2018 Museo Canonica Roma: 41 Students for the Sapienza international Master course ArchMat

2019 Museo Canonica Roma: 38 Students for the Sapienza international Master course ArchMat

2021 Chiesa "Santa Maria degli Angeli", Trevisani painting, 12 Students for the Sapienza international Master course ArchMat

INTERNATIONAL INVITED LECTURES AND SCIENTIFIC COMMITTEE

Invited lectures

- **XTACH 2011**, International conference on the use of X-ray and related techniques in Art and Cultural Heritage, American University of Sharjah, EAU. 7-8 December 2011
- **EXRS 2012**, European X-Ray Spectrometry Conference, IAEA Wien, Austria. 18-22 June 2012
- **EARJ 2014**, Escola de Arqueometria do Rio de Janeiro, Brasil. 12-14 September 2014
- **DXC 2016**, Denver X-ray Conference, Chicago, USA. 1-5 August 2016
- **DXC 2017**, Denver X-ray Conference, Chicago, USA. 31 July-4 August 2017
- **SmartArt 2021** "Art and Science Applied: Experience and Vision", 23-25- September 2021

Scientific Committee

International Conference on "Non Destructive Investigations and Microanalysis for the Diagnostics and Conservation of Cultural and Environmental Heritage"

ART 2021 Buenos Aires Argentina

ART 2017 Turin Italy

ART 2014 Madrid Spain

ART 2008 Jerusalem Israel

IAEA AND UNESCO ACTIVITY

IAEA

Research Contracts

- 1) Chief Scientific Investigator. Research Contract Agreement number 16766, Optimization of EDXRF portable systems for low energy, surface analyses of Cultural Heritage, 2011-2014

International Expert

- 1) International Expert, National Workshop on nuclear and other instrumental techniques in investigation of Cultural Heritage artefacts, Serbia, from 16/04/2007 to 21/04/2007 RER1006

Senior Lecturer

- 1) Lecturer, Regional training course for end-users in nuclear techniques for the analysis of ceramics objects, Albania, from 26/05/2014 to 30/05/2014, RER0039
- 3) Lecturer, Regional training course on characterization of Cultural Heritage objects by using nuclear application techniques, Turkey, from 11/07/2011 to 15/07/2011, RER8015
- 4) Lecturer, National training course on advanced analysis techniques in arts and archeology using micro-XRF United Arab Emirates, Sharja, from 11/12/2010 to 13/12/2010, UAE0006

UNESCO

- 1) Tutor, Workshop on X Ray Spectroscopy for Cultural Heritage, Albania, from 15/03/2009 to 21/03/2009, CIC 09-08 FR 3240198156

PATENTS

- 1) **FIS2007000259**: Dual Mode XRF, 2010
- 2) **RM2010A000003**: Identification method for paintings, 2013
- 3) **RM2013A000705**: Apparatus and method for EDXRF analysis with open-air beams, 2016

TECHNOLOGY TRANSFER

- 2001** New Company Ars Mensurae di Stefano Ridolfi, 100% shares
2017 Spin Off company University of Palermo Labor Artis CR Diagnostica srl, 50% shares
2021 Start Up company IDArtScience srls, 25% shares

JOURNAL REVIEWER

- 1) "Radiation Physics and Chemistry" from Elsevier
- 2) "X-Ray Spectrometry" from Wiley
- 3) "Natural Product Research" from Taylor & Francis

NATIONAL AND INTERNATIONAL PROJECTS

- The international and national projects with leading roles
- 2014-2015** Project leader for the bilateral project Italy-Serbia devoted to: "Development and implementation of two novel portable instruments for the analyses of Cultural Heritage: portable scanner XRF and portable XRD". Research Project of Particular Relevance. Granted by MAE the Italian Ministry of Foreign Affairs.
- 2013-2015** Partner in "LSP Her" multilateral project financed by the European Commission 530847-LLP-1-2012-GR-KA2-KA2MP.
- 2013-2015** Partner in "Scintigraphic and Goniometric probe for the localization of radio marked molecules for diagnostic and surgical use". POS FESR G17516 CUP F17112000180009, Structural European funds for SME.
- 2008-2010** National Coordinator of the Italy-Albania project: "Development of SOP's for the conservation of archeological materials with spectroscopic portable systems". Granted by MAE the Italian Ministry of Foreign Affairs.

The international and national projects on Cultural Heritage in which he was involved are:

- 2022-2024** "PERSEPOLIS" project in collaboration with INFN and Roma3, grant from Lazio Innova.
- 2019-2021** "Iper3D" project in collaboration with CNR, grant from Lazio Innova.
- 2019-2020** "SUPERARE" project in collaboration with Roma3, grant from Lazio Innova.
- 2019-2020** "MUSA" project in collaboration with INFN and Roma3, grant from Lazio Innova.
- 2018-2021** Partner in "ED-ARCHMAT European Joint Doctorates" MSCA-ITN-EJD 766311, project financed by the European Commission
- 2016-2017** "HeritageBot" in collaboration with the University of Cassino and South Lazio. "Development of an UM robot for Cultural Heritage". Granted by LazioInnova.
- 2014-2015** "SIGLOD radioactive contamination detection system by drone" with the University of Palermo STEBICEF, PON project CUP B71H12000680005
- 2011-2012** "C.HE.MU.SY. Project" developed in collaboration with CNR and the private company Assing spa: Development of a micro XRF portable system devoted for Cultural Heritage. Granted by FILAS Lazio.
- 2011-2012** "Red Eyes Project" in collaboration with the private company CRISMA srl: Development of a novel system for high resolution infrared thermography. Granted by FILAS Lazio.
- 2008-2009** Development of a micro XRF and micro Raman system for NDT in situ analyses of Cultural Heritage. Granted by the city of Rome.
- 2005-2007** "SAIME Project": novel analytical systems for the analyses of the gold carat. Granted by the Italian Ministry of Research.
- 2002-2004** "SAPAB Project": analyses, protection and conservation of precious surfaces against smearing Granted by the Italian Ministry of Research.
- 1999-2001** Protection of cultural heritage "XRF ART": development of a new solid state detector for the analysis of the Cultural Heritage (SDD, silicon drift detector). Granted by EU

The national and regional Bio-Medical projects in which he was involved are:

- 2014-2015** "Innovative algorithms for the generation of a new class of scintillation products based on the holistic integration of specific functional properties, HOLISCINT", CUP F88C14000400007, Structural European funds for SME
- 2010-2012** "ADIMA". POS FESR asse I Attività I.1 CUP F87110000740007, Structural European funds for SME.
- 2008-2010** "Sistema avanzato di Imaging Molecolare per Biomedicina". FILAS project.
- 1999-2003** "Mammocam, position sensitive systems availing of crystals". Grant from MURST.

ADDITIONAL INFORMATION

He is II level expert of Infrared thermography applied to Cultural Heritage.
He is qualified technical expert for the criminal court in Rome for antique, ancient and modern art.

SCIENTIFIC PRODUCTIVITY

Scopus Author ID: 7801640160, ORCID iD: 0000-0002-2866-6344

Publications in international journals with referees
71 since 2002

Contributions in international conferences proceedings
54 since 2002

Scientific Books chapters
5 since 2005

Chapters in Books for Scientific Dissemination
29 since 2005

Total Citations
594

Citations per publication
8.3

H Index
14

PUBLICATIONS	Cultural Heritage	Scientific articles in international journals
		1) Gajic-Krascev M. et al., "Multianalytical Study of the Blue Pigments Usage in Serbian Iconography at the Beginning of the 18th-Century", <i>Coatings</i> , 2023, 13(7), 1200
		2) Privitera, A., Palermo, F., Ridolfi, S., Sodo, A., "A multi-analytical approach to unmask two Etruscan-Corinthian fake vases: A contribution to the illicit trafficking of cultural goods", <i>Journal of Raman Spectroscopy</i> , 2023
		3) Manfredi C., et al. "The forger's identikit: A multi-technique characterization of Pippo Oriani's fake paintings", <i>Dyes and Pigments</i> , 2022, 207, 110755
		4) Cesareo, R., Gigante, G.E., Castellano, A., Ridolfi, S., Barcellos Lins, S.A., From Raphael (La Deposizione) to Raphael (La Fornarina): a Circumnavigation Accompanying the Evolution of Energy-Dispersive XRF Devices, <i>Brazilian Journal of Physics</i> , 2022, 52(2), 54
		5) Cesareo, R., Lins, S.A., Ridolfi, S., Brunetti, A. Thin thickness gilding determined by x-rays ratios from EDXRF-spectra, <i>X-Ray Spectrometry</i> this link is disabled , 2022, 51(2), pp. 170–177
		6) Ruggiero, L., Zuena, M., Baroni, L., Valbonetti, L., Ridolfi, S., Ricci, M.A., Sodo, A. The Minnesang riddle: A multi-analytical approach to an undated colour woodcut (2022) <i>Microchemical Journal</i> , 174, art. no. 107072, . DOI: 10.1016/j.microc.2021.107072
		7) Shrestha, R., Sfarra, S., Ridolfi, S., Gargiulo, G., Kim, W. A numerical–thermal–thermographic NDT evaluation of an ancient marquetry integrated with X-ray and XRF surveys (2022) <i>Journal of Thermal Analysis and Calorimetry</i> , 147 (3), pp. 2265-2279. DOI: 10.1007/s10973-021-10571-2
		8) Zuena, M., Baroni, L., Graziani, V., Iorio, M., Lins, S., Ricci, M.A., Ridolfi, S., Ruggiero, L., Tortora, L., Valbonetti, L., Sodo, A. The techniques and materials of a 16th century drawing by Giorgio Vasari: A multi-analytical investigation (2021) <i>Microchemical Journal</i> , 170, art. no. 106757, . DOI: 10.1016/j.microc.2021.106757
		9) Lins, S.A.B., Manso, M., Lins, P.A.B., Brunetti, A., Sodo, A., Gigante, G.E., Fabbri, A., Branchini, P., Tortora, L., Ridolfi, S. Modular ma-xrf scanner development in the multi-analytical characterisation of a 17th century Azulejo from Portugal† (2021) <i>Sensors</i> , 21 (5), art. no. 1913, pp. 1-13. DOI: 10.3390/s21051913
		10) Ridolfi, S., Crescenzi, S., Zeli, F., Perilli, S., Sfarra, S. Evaluation of the heat changes in an ancient church because of restoration works: A microclimatic study supported by thermal images (2021) <i>Indoor and Built Environment</i> , . DOI: 10.1177/1420326X21994625
		11) Zuena, M., et alii, The techniques and materials of a 16th century drawing by Giorgio Vasari: A multi-analytical investigation, <i>Microchemical Journal</i> this link is disabled , 2021, 170, 106757
		12) Lins, S.A.B., Gigante, G.E., Cesareo, R., Ridolfi, S., Brunetti, A. Testing the accuracy of the calculation of gold leaf thickness by mc simulations and MA-XRF scanning (2020) <i>Applied Sciences (Switzerland)</i> , 10 (10), art. no. 3582, . DOI: 10.3390/app10103582
		13) Albini, M., Ridolfi, S., Giuliani, C., Pascucci, M., Staccioli, M.P., Riccucci, C. Multi-Spectroscopic Approach for the Non-invasive Characterization of Paintings on Metal Surfaces (2020) <i>Frontiers in Chemistry</i> , 8, art. no. 289, . DOI: 10.3389/fchem.2020.00289
		14) Barcellos Lins, S.A., Ridolfi, S., Gigante, G.E., Cesareo, R., Albini, M., Riccucci, C., di Carlo, G., Fabbri, A., Branchini, P., Tortora, L. Differential X-Ray Attenuation in MA-XRF Analysis for a Non-invasive Determination of Gilding Thickness (2020) <i>Frontiers in Chemistry</i> , 8, art. no. 175, . DOI: 10.3389/fchem.2020.00175

- 15) Francia, E.D., Grassini, S., Gigante, G.E., Ridolfi, S., Barcellos Lins, S.A. Characterisation of corrosion products on copper-based artefacts: Potential of MA-XRF measurements (2020) *Acta IMEKO*, 10 (1), pp. 136-141.
DOI: 10.21014/ACTA_IMEKO.V10I1.859
- 16) Lins, S.A.B., Manso, M., Gigante, G.E., Cesareo, R., Tortora, L., Branchini, P., Ridolfi, S. Modular MA-XRF scanner potentialities and further advances (2020) 2020 IMEKO TC-4 International Conference on Metrology for Archaeology and Cultural Heritage, pp. 496-500.
- 17) Sodo, A., Ruggiero, L., Ridolfi, S., Savage, E., Valbonetti, L., Antonietta Ricci, M. Dating of a unique six-colour relief print by historical and archaeometric methods (2019) *European Physical Journal Plus*, 134 (6), art. no. 276, .
DOI: 10.1140/epjp/i2019-12718-7
- 18) Ridolfi, S., Laurenzi Tabasso, M., Askari Chaverdi, A., Callieri, P. The Finishing Technique of the Stone Monuments of Persepolis: Further Studies and New Findings Through the Use of Non-Destructive Analytical Techniques (2019) *Archaeometry*, 61 (2), pp. 272-281.
DOI: 10.1111/arcm.12417
- 19) Lins, S.A.B., Gigante, G.E., Cesareo, R., Ridolfi, S. Recent developments on portable XRF scanner (2019) 2019 IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, *MetroArchaeo* 2019, pp. 109-113.
- 20) Lins, S.A.B., Di Francia, E., Grassini, S., Gigante, G.E., Ridolfi, S. MA-XRF measurement for corrosion assessment on bronze artefacts (2019) 2019 IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, *MetroArchaeo* 2019, pp. 538-542.
- 21) Iorio, M., Graziani, V., Lins, S., Ridolfi, S., Branchini, P., Fabbri, A., Ingo, G., Di Carlo, G., Tortora, L. Exploring manufacturing process and degradation products of gilt and painted leather (2019) *Applied Sciences (Switzerland)*, 9 (15), art. no. 3016, .
DOI: 10.3390/app9153016
- 22) Dos Anjos, M.J., De Assis, J.T., Cesareo, R., Ridolfi, S., Lopes, R.T., Dos Santos, R.S., Gama Filho, H.S., Oliveira, D.F. Gilding thickness measurements using EDXRF-analysis (2019) IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, *MetroArchaeo* 2017, pp. 467-471.
- 23) Cesareo, R., Bustamante, A., Jordán, R.F., Fernandez, A., Azeredo, S., Lopes, R.T., Alva, W., Chero, L., Brunetti, A., Gigante, G.E., Ridolfi, S. Welding brazing and soldering of gold and silver by the Moche tombs "Señor de Sipán" and "Señora de Cao" (2019) IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, *MetroArchaeo* 2017, pp. 240-243.
- 24) Cesareo, R., Ridolfi, S., Brunetti, A., Lopes, R.T., Gigante, G.E. 3D imaging of paintings by scanning with a portable EDXRF-device (2019) IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, *MetroArchaeo* 2017, pp. 250-253.
- 25) Cesareo, R., Bustamante, A., Jordán, R.F., Fernandez, A., Azeredo, S., Lopes, R.T., Alva, W., Chero, L., Brunetti, A., Gigante, G.E., Ridolfi, S. Gold and silver joining technologies in the moche tombs SeñOr de Sipán and SeñOra de Cao jewellery (2018) *Acta IMEKO*, 7 (3), pp. 3-7.
DOI: 10.21014/acta_imeko.v7i3.548
- 26) Cesareo, R., Ridolfi, S., Brunetti, A., Lopes, R.T., Gigante, G.E. First results on the use of a EDXRF scanner for 3D imaging of paintings (2018) *Acta IMEKO*, 7 (3), pp. 8-12.
DOI: 10.21014/acta_imeko.v7i3.549
- 27) Ridolfi, S.
Gilded copper studied by non-destructive energy-dispersive X-ray fluorescence (2018) *Insight: Non-Destructive Testing and Condition Monitoring*, 60 (1), pp. 37-41.
DOI: 10.1784/insi.2018.60.1.37
- 28) Caponetti, E., Armetta, F., Brusca, L., Chillura Martino, D., Saladino, M.L., Ridolfi, S., Chirco, G., Berrettoni, M., Conti, P., Bruno, N., Tusa, S. A multivariate approach to the study of

orichalcum ingots from the underwater Gela's archaeological site (2017) *Microchemical Journal*, 135, pp. 163-170.

DOI: 10.1016/j.microc.2017.09.003

29) Saladino, M.L., Ridolfi, S., Carocci, I., Martino, D.C., Lombardo, R., Spinella, A., Traina, G., Caponetti, E. A multi-analytical non-invasive and micro-invasive approach to canvas oil paintings. General considerations from a specific case (2017) *Microchemical Journal*, 133, pp. 607-613.

DOI: 10.1016/j.microc.2017.04.039

30) Ridolfi, S.

Portable EDXRF in a multi-technique approach for the analyses of paintings (2017) *Insight: Non-Destructive Testing and Condition Monitoring*, 59 (5), pp. 273-275.

DOI: 10.1784/insi.2017.59.5.273

31) Caponetti, E., Francesco, A., Martino, D.C., Saladino, M.L., Ridolfi, S., Chirco, G., Berrettoni, M., Conti, P., Bruno, N., Tusa, S. First discovery of orichalcum ingots from the remains of a 6th century BC shipwreck near Gela (Sicily) seabed (2017) *Mediterranean Archaeology and Archaeometry*, 17 (2), pp. 11-18.

DOI: 10.5281/zenodo.581716

32) Fichera, G.V., Dondi, P., Licchelli, M., Lombardi, L., Ridolfi, S., Malagodi, M.

A combined approach for the attribution of handwriting: the case of Antonio Stradivari's manuscripts (2016) *Applied Physics A: Materials Science and Processing*, 122 (11), art. no. 970.

DOI: 10.1007/s00339-016-0497-6

33) Saladino, M.L., Ridolfi, S., Carocci, I., Chirco, G., Caramanna, S., Caponetti, E.

A multi-disciplinary investigation of the "Tavolette fuori posto" of the "Hall of Barons" wooden ceiling of the "Steri" (Palermo, Italy) (2016) *Microchemical Journal*, 126, pp. 132-137.

DOI: 10.1016/j.microc.2015.12.004

34) Cesareo, R., Buccolieri, G., Castellano, A., Lopes, R.T., De Assis, J.T., Ridolfi, S., Brunetti, A., Bustamante, A. The structure of two-layered objects reconstructed using EDXRF-analysis and internal X-ray ratios (2015) *X-Ray Spectrometry*, 44 (4), pp. 233-238.

DOI: 10.1002/xrs.2611

35) Visco, G., Plattner, S.H., Guida, G., Ridolfi, S., Gigante, G.E. Rings or daggers, axes or fibulae have a different composition? A multivariate study on Central Italy bronzes from eneolithic to early iron age (2015) *Chemistry Central Journal*, 9 (1), art. no. 15, .

DOI: 10.1186/s13065-015-0090-7

36) Sfarra, S., Ibarra-Castanedo, C., Ridolfi, S., Cerichelli, G., Ambrosini, D., Paoletti, D., Maldague, X. Holographic Interferometry (HI), Infrared Vision and X-Ray Fluorescence (XRF) spectroscopy for the assessment of painted wooden statues: A new integrated approach (2014) *Applied Physics A: Materials Science and Processing*, 115 (3), pp. 1041-1056.

DOI: 10.1007/s00339-013-7939-1

37) Ridolfi, S.

Portable X-ray Fluorescence Spectrometry for the analyses of Cultural Heritage (2012) *IOP Conference Series: Materials Science and Engineering*, 37 (1), art. no. 012001, .

DOI: 10.1088/1757-899X/37/1/012001

38) Gigante, G.E., Ridolfi, S., Ferro, D.

Diagnostic investigations and statistical validation of EDXRF mapping of the burial monument of Pope Sixtus IV by Antonio Pollaiuolo (1493) in the Vatican (2012) *Journal of Cultural Heritage*, 13 (3), pp. 345-351.

DOI: 10.1016/j.culher.2011.11.003

39) Visco, G., Ridolfi, S., Plattner, S.H., Gigante, G.E. Razors, horse bits or axes; search of the different composition in common use bronze Villanovan objects (VIII-VII century B.C., Italy) by multivariate analysis (2010) *Current Analytical Chemistry*, 6 (1), pp. 11-18.

DOI: 10.2174/157341110790069574

40) Mascelloni, M.L., Cerichelli, G., Ridolfi, S. A multi-disciplinary approach to the study of an

assemblage of copper-based finds assigned to the prehistory and proto-history of Fucino, Abruzzo, Italy (2009) *Journal of Mining and Metallurgy, Section B: Metallurgy*, 45 (2), pp. 175-185.

DOI: 10.2298/JMMB0902175M

41) Cesareo, R., Brunetti, A., Ridolfi, S. Pigment layers and precious metal sheets by energy-dispersive x-ray fluorescence analysis (2008) *X-Ray Spectrometry*, 37 (4), pp. 309-316.

DOI: 10.1002/xrs.1078

42) Diana, M., Gabrielli, N., Ridolfi, S. Sulfur determination on stone monuments with a transportable EDXRF system (2007) *X-Ray Spectrometry*, 36 (6), pp. 424-428.

DOI: 10.1002/xrs.1005

43) Cesareo, R., Ferretti, M., Gigante, G.E., Guida, G., Moiola, P., Ridolfi, S., Garcia, C.R.

The use of a European coinage alloy to compare the detection limits of mobile XRF systems. A feasibility study (2007) *X-Ray Spectrometry*, 36 (3), pp. 167-172.

DOI: 10.1002/xrs.960

44) Cesareo, R., Ridolfi, S., Castellano, A., Marabelli, M., Buccolieri, G., Quarta, S., Gigante, G.E. From giotto to de chirico to verrocchio: Analyses of paintings and historical bronze alloys availing of portable EDXRF equipment (2006) *Journal of Neutron Research*, 14 (1), pp. 17-27.

DOI: 10.1080/10238160600672997

Scientific Books chapters

1) Ridolfi S. et al., (2022). " Evolution of Portable Devices: Using EDXRF to Study Works of Art" In *Advances in Portable X-ray Fluorescence Spectrometry*, RCS

2) G.E. Gigante, S. Ridolfi (2013). "X-Ray Techniques and X-Ray Fluorescence with Portable Systems", and "Study of Vatican Masterpieces" in "Conservation Science for the Cultural Heritage", Springer, ISBN 978-3-642-30984-4.

3) G. Guida, D. Artioli, S. Ridolfi, G.E. Gigante (2010). "Study by Mobile Non Destructive Testing of The Bronze Statue of The "Satiro" of Marsala, Science for Cultural Heritage, Technological Innovation and Case Studies in Marine and Land Archaeology in the Adriatic Region and Inland, 2010, World Scientific Publishing Co.,Singapore ISBN-13 978-981-4307-06-2 or 978-981-4307-07-9 (eBook).

4) R.Cesareo, S.Ridolfi et al (2008). "Portable systems for EDXRF Analysis of Works of Art", in "Portable X-ray Fluorescence Spectrometry", The Royal Society of Chemistry, ISBN 978-0-85404-552-5.

5) G.E.Gigante, S.Ridolfi, P.Ricciardi, M.Colapietro (2005). "Quantitative analysis of ancient metal artefacts by means of portable energy-dispersive X-ray fluorescence spectrometers: a critical review", in "Cultural Heritage conservation and environmental impact assessment", Balkema publisher ISBN: 9058096815

Encyclopedia Monographic Chapter

1) S.Ridolfi. "Portable Systems for Energy Dispersive X Ray Fluorescence Analysis" on *Encyclopedia of Analytical Chemistry* John Wiley & Sons, Ltd 2017 DOI: 10.1002/9780470027318.a6803.pub3

Chapters in Books for Scientific Dissemination

1) S.Ridolfi, I.Carocci. "La campagna diagnostica sulla Gloria di sant' Eusebio di Anton Raphael Mengs" (2022). Chapter from "La Gloria di Sant'Eusebio di Anton Raphael Mengs tra storia e restauri". ISBN 978-88-492-4092-4, Gangemi Editore.

2) S.Ridolfi, I.Carocci. "La Madonna leva pene di Legarano: Indagini Diagnostiche" ed "La Virgo lactans di Lisciano: Indagine Diagnostiche" in "Maestri d'ascia e di terra, sculture restaurate del reatino tra Medioevo e Rinascimento". ISBN 979-12-80906-13-2. Campisano

3) S.Ridolfi, S.Crescenzi (2017). "Il ritratto di Donna Franca Florio, il genio del Canonica visto attraverso le indagini scientifiche", chapter from "La bellezza scolpita, Franca Florio nel ritratto di Pietro Canonica", Gangemi editor ISBN13: 9788849234671

4) S.Ridolfi, S.Crescenzi (2016). "La scienza al servizio del restauro, il caso Goldfinger/Miss", chapter from "Rinascita di una Venere, Goldfinger/Miss di Mario Ceroli", Gangemi editor ISBN13: 9788849233322

5) S.Ridolfi (2016). "Comparazione di strumenti e metodi di analisi della fluorescenza dei raggi X attraverso le campagne diagnostiche effettuate sui dipinti di Caravaggio", chapter from

"Caravaggio, Opere a Roma, Tecnica e Stile, Saggi", Silvana editoriale editor ISBN: 88-366-3430-3

- 6) S.Ridolfi (2016). "Examination and diagnostics carried out on the Back-Vega Crucifixion of St Andrew prior to restoration", chapter from "Caravaggio, The Back-Vega Crucifixion of St Andrew", Skira editor ISBN: 9788857232379
- 7) S.Ridolfi (2016): "Le analisi scientifiche e le indagini di laboratorio, le analisi di Fluorescenza X", chapter from "La Madonna del Soccorso nella Basilica Vaticana", Fabbrica di San Pietro in Vaticano ISBN:9780983729730
- 8) I.Carocci, S.Ridolfi (2015). "Luci e ombre di Antonio Pomarancio: le indagini diagnostiche sulla decollazione del Battista", chapter from "La decollazione del Battista di Antonio Pomarancio, un approccio multidisciplinare per una lettura critica", Stefano Ridolfi editor ISBN:9788892300262
- 9) S.Ridolfi, S.Crescenzi (2015). "La diagnostica non invasiva al servizio della Pendola Urania", chapter from "Le ore dell'imperatore, la pendola Urania del Museo Napoleonico", Gangemi editor ISBN13: 9788849231724
- 10) S.Ridolfi, S.Crescenzi (2015). "Guardare dove l'occhio non può: radiografia e videoendoscopia", chapter from "Potenze naturali, Il Pastore di Arturo Martini", Gangemi editor ISBN13: 9788849230888
- 11) S.Ridolfi (2014). "Analisi non invasive insitu tramite sistema portatile di Fluorescenza X di una raffigurazione di Uрга Mahisasuramardini" chapter from "il D-o Benevolo e la Dea innaccessibile, Sculture dall'india e dal Nepal", Gangemi editor ISBN13: 9788849229493
- 12) S.Ridolfi (2013). "Le indagini diagnostiche come supporto al lavoro della Fondazione Giorgio ed Isa De Chirico", chapter from "Metafisica, quaderni della Fondazione Giorgio ed Isa De Chirico", Maretti Editor ISBN: 978888977656
- 13) C.Giardino, G.Guida, M.Vidale, S.Ridolfi (2012). "The peculiar material of the Goa Made artifacts", chapter from "Goa Made, An archaeological discovery", L'Erma editor ISBN: 9788882657352
- 14) V.Fassina, S.Ridolfi, I.Carocci (2011). "Indagini non invasive in fluorescenza ultravioletta e spettrometria in fluorescenza X sugli affreschi del tamburo e della cupola di Giusto de'Menabuoi nel Battistero del Duomo di Padova", chapter from "Da Guariento a Giusto de'Menabuoi, Studi, ricerche e restauri", Antigaedizioni editor ISBN:978888997773
- 15) S.Ridolfi (2011). "Sintesi dei risultati dell'analisi della fluorescenza dei raggi X (XRF)", chapter from "Caravaggio, la Cappella Contarelli", Munus editor ISBN:9788882656157
- 16) F.Aramini, S.Ridolfi, F.Talarico, M.Torre (2011). "Analisi non distruttive e diagnostica per immagini", chapter from "La luce e il mistero, la Madonna di Senigallia nella sua città", Il lavoro editoriale editor EAN: 9788876636462
- 17) N.Gabrielli, S.Ridolfi, I.Carocci (2011). "Le Indagini Diagnostiche", chapter from "La Madonna dei poveri di Seminara, Il culto, la storia dell'arte, il restauro", Rubbettino editor 2011, ISBN: 9788849830958
- 18) S.Ridolfi, I.Carocci (2009). "La diagnostica non invasiva: San Barnaba presenta San Paolo a San Pietro", chapter from "Le ami ed il volto di San Pietro, nella pittura di Antonio Cavallucci" Capitolo Vaticano Editor ISBN: 9788863390070
- 19) S.Ridolfi, I.Carocci (2009). "Il Tabernacolo del Sacramento, diagnostica di supporto al resauo", chapter from "Tabernacolo di Donatello, Museo storico artistico del Tesoro di San Pietro" Capitolo Vaticano Editor ISBN: 9788863390087
- 20) G.Guida, S.Ridolfi, D.Artioli, G.E.Gigante (2005). "Indagini non distruttive per il restauro del Satiro di Mazara del Vallo", chapter from "Il Satiro Danzante di Mazara del Vallo, il restauro e l'immagine", Electa Napoli editor ISBN:8851001936

IAEA Publications

- 1) "Optimization of portable systems for energy dispersive X ray fluorescence analysis of paintings" in "In situ applications of X ray fluorescence techniques", IAEA-TECDOC-1456
- 2) "Analysis of pre-Columbian and contemporary gold alloys availing of EDXRF" in "Integration of Nuclear Spectrometry Methods as a New Approach to Material Research", IAEA-TECDOC-1669
- 3) "Analysis of paintings and alloys with portable EDXRF-equipments" in XRF-NL-13
- 4) "Analyses on stone monuments availing of EDXRF systems" in XRF-NL-17
- 5) "Portable XRF Systems for the Analysis of Outdoor Bronze Equestrian Statues" in XRF-NL-21
- 6) " Portable EDXRF in a multi-technique approach for the analyses of large paintings" in XRF-NL-26

Conference proceedings

- 1) M.L.Saladino, et al (2017). "A physical-chemical approach to the investigation of Objects of artistic and archeological interest", XXVI Congresso Nazionale della Società Chimica Italiana, Paestum Italy.

- 2) M.L.Saladino, S.Ridolfi, D.C.Martino, F.Armetta, S.Bastone, V.Renda, G.Chirco, S.Caramanna, E.Caponetti (2017). "A multi-analytical non-invasive and micro-invasive approach to oil paintings on canvas or wood. General considerations from some specific cases", XXVI Congresso Nazionale della Società Chimica Italiana, Paestum Italy.
- 3) R.Cesareo, S.Ridolfi, A.Brunetti, G.E.Gigante (2017). "3D Imaging of artefacts by EDXRF scanning " Technart 2017. Bilbao, Portugal.
- 4) R.Cesareo, et al (2017). "Brazing and soldering of gold and silver by the
- 5) R.Cesareo, et al (2017). "Gilding thickness measurement using EDXRF analyses" Metroarcho 2017. Lecce Italy.
- 6) E.Caponetti, M.L. Saladino, V.Renda, F.Armetta S.Ridolfi, S.Tusa (2017). "Investigation of eight helmets founded in three different sicilian underwater archaeological sites" Metroarcho 2017. Lecce Italy.
- 7) R.Cesareo, S.Ridolfi, A.Brunetti, G.E.Gigante, R.T.Lopes (2017). "3D Imaging of paintings by scanning with a portable EDXRF device" Metroarcho 2017. Lecce Italy.
- 8) R.Cesareo, et al (2017). "Brazing and soldering of gold and silver by the Moche tombs Senor de Sipan and senora de Cao" Metroarcho 2017. Lecce Italy.
- 9) S.Ridolfi, (2017). "Non invasive and microinvasive diagnostic analyses at the service of the Cultural Heritage market: Hints, Trends and case studies" Metroarcho 2017. Lecce Italy.
- 10) A.Segimiro, S.Segimiro, G.Mastrotisi, S.Ridolfi, (2017). "La capella di Maia del Museo Egizio di Torino: problematiche di movimentazione e restauro di uno strappo tridimensionale" IGIIIC 2017 Lo Stato dell'Arte. Bari Italy.
- 11) R.Cesareo, A.Bustamante, S.Ridolfi, R.F.Jordan. S.Azeredo, R.T.Lopes (2017). "Study of gold silver amalgamation by the Moche in the tomb of the lady of Cao through the use of Macro-XRF scanner" ICXOM24 Trieste Italy.
- 12) R.Cesareo, S.Ridolfi, R.T.Lopes. S.Azeredo, G.E.Gigante (2017). "A compact and light EDXRF scanner for small Art Object and modeling testing" ICXOM24 Trieste Italy.
- 13) S.Younsi, S.Ridolfi, G.E.Gigante, N.Schiavon (2017). "Non invasive spectroscopic and imaging techniques for the investigation of ancient and modern pigments using IR false color, XRF, Fors and Raman" Art17 Turin Italy.
- 14) Md.Ashiqur Rahman, S.Ridolfi, G.E.Gigante, N.Schiavon (2017). "Low cost, battery powered, arduino driven data logger for in situ moisture measurements in Cultural Heritage" Art17 Turin Italy.
- 15) F.Niccolai, A.Amato, F.Bitti, S.Gozi, J.Ravagli, S.Ridolfi (2016). "Comparison between different quantification methods for the analysis of precious alloy by EDXRF" EXRS 2016 Gothenborg, Sweden.
- 16) E.Ndrecka, N.Civici, I.Gjipali, F.Niccolai, S.Ridolfi (2016). "Investigation of pottery from different Neolithic sites in southeast Albania using X-Ray techniques" EXRS 2016 Gothenborg, Sweden.
- 17) M.Laurenzi Tabasso, S.Ridolfi (2016)."PCA Analysis applied to the study of the surface coating of stone monuments in Persepolis", CMA4CH 2016 Rome, Italy.
- 18), S.Ridolfi, M.G.Kvascev, V.Andric, D.Korolija (2015). "The development of portable instruments within the framework of a bilater project Italy-Serbia", TECHNART15, Catania, Italy.
- 19) M.L.Saladino, S.Ridolfi, I.Carocci, G.Chirco, S.Caramanna, E.Caponetti (2015). "A multi disciplinary investigation of the Tavolette fuori posto of the main hall wooden ceiling of the Steri", TECHNART15, Catania, Italy.
- 20) S.Ridolfi, I.Carocci, E.Caponetti, D. Chillura Martino, B.Agrò (2015). "Il Velario of Bivona: a useful case study on the use of portable non invasive techniques for in situ analyses", TECHNART15, Catania, Italy.
- 21) R.Cesareo, A.Bustamante, J.Fabian, S.Del Pilar Zambrano, R.F.Jordan, A.Fernandez, S.Ridolfi (2015). "Gilded copper studies by non Destructive EDXRF", TECHNART15, Catania, Italy.
- 22) S.Crescenzi, R.Bellatreccia, I.Carocci, R.Porfiri, S.Ridolfi (2015). "Team work in Cultural Heritage: A necessity that becomes a rule", Diagnosis for the Conservation and Valorization of Cultural Heritage", VI Conference, Naples, Italy
- 23) A.Brunetto, S.Ridolfi, I.Carocci, B.Mazzei (2015). "Trattamento di rimozione laser dalle pitture murali di due arcosoli nella catacomba di Domitilla" APLAR 5 Roma, Italy
- 24) S. Ridolfi, F. De Chirico, F. Zalabra, I. Carocci, B. Bruni, L. Casaglio (2014). "The key role of diagnostic applied to Cultural Heritage to teach science to beginners. The case of the Paciano altarpiece of Signorelli", Art'14, Madrid, Spain.
- 25) I. Carocci, S. Ridolfi, V. Fassina (2012)." La Diagnostica non invasiva per la conservazione preventiva: il caso della cupola del Menabuoi nel Battistero di Padova (XIV secolo)", IGIIIC 2012 - Lo Stato dell'Arte 10. Roma, Italy.
- 26) G.E. Gigante, S. Ridolfi (2012)." Multivariate Analyses as a Necessary Tool to Improve the XRF Data Treatment", CMA4CH 2012, Rome, Italy.
- 27) M. Marabelli, A. Mannaoli, S. Ridolfi, M.P. Sammartino (2012)." Diagnostics Applied to an

- Easel Painting by Ferrau' Fenzoni (Cathedral of Todi)", CMA4CH 2012, Rome, Italy.
- 28) F. De Chirico, G. Mantella, S. Guido, S. Ridolfi, I. Carocci (2011). "Il Restauro della Madonna di Seminara", IGIC 2011 - Lo Stato dell'Arte 9. Cosenza, Italy.
- 29) S. Ridolfi, N. Civici, E. Caushi, I. Carocci (2011). "Saint Mary Blachernae church in Berati Castle, Albania, EDXRF and UV analyses of wall paintings", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 30) S. Ridolfi, C. Parisot (2011). "Non-invasive and micro-invasive analysis at the Modigliani Institute Archives Legales Paris-Rome, ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 31) V. Fassina, S. Ridolfi, P. Cornale (2011). "Sulphur-concentration analyses carried out on the facade of the Scrovegni Chapel in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 32) S. Ridolfi, C. Giardino, G.E. Gigante, G. Guida (2011). "The use of FP-EDXRF for the analysis of pre-protohistorical bronzes: measurement campaigns in Italy", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 33) S. Ridolfi, V. Fassina (2011). "Non invasive analysis with a portable EDXRF system on the Ferrazzi's and Saetti's frescos in the Palace of Bo' in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 34) S. Ridolfi, V. Fassina (2011). "Energy Dispersive X Ray Fluorescence Analysis of the zodiacal elements of the Dondi astronomical clock in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 35) S. Ridolfi, K. Buttler, G. Wolf, H. Vincent, I. Carocci (2011). "Non-invasive analyses on Peter Paul Rubens's painting "Saint Gregory the Great surrounded by the Saints Papius, Maurus, Flavia Domitilla, Nereus, and Achilleus" in the Musee de Grenoble", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 36) G.E. Gigante, M. Marabelli, R. Cesareo, S. Ridolfi (2009). "Strategy in the preservation of metal monuments of ancient and modern age: the role of x ray techniques", *Avances en analisis por tecnicas de rayos X*, volume 15, 2009 ed. Facultad de Matematica, Astronomia y Fisica, Cordoba-Argentina ISSN 1515-1565, SARX 2008 proceedings Cabo Frio, Rio de Janeiro.
- 37) V. Fassina, M. Mazza, I. Carocci, S. Ridolfi (2008). "Diagnostic Analysis of an Outdoor Fresco: The Case of "Santa Maria dei Battuti" of the Conegliano Cathedral", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 38) M.L. Mascelloni, G. Cerichelli, S. Ridolfi (2008). "A Multi-Disciplinary Approach to the Study of an Assemblage of Copper Based Finds Assigned to the Prehistory and Proto-History of Fucino, Abruzzo, Italy", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 39) L. Morigi, S. Ridolfi (2008). "Study of the Quaternary Alloys in the Cast of the Equestrian Statue of Bartolomeo Colleoni by Andrea Del Verrocchio (Venice 1480) Availing of EDXRF Systems", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 40) G. Greco, S. Ridolfi, G. Carotenuto, B. Ferrara, M. Franco (2008). "The Sanctuary of Hera at River Sele Mouth: Non-Destructive Analysis of Archaeological Finds", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 41) M. Stojanovic, P. Petrovic, S. Ridolfi (2008). "Paja Jovanovic: A Painter from Serbia - A Data Base of Pigments", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 42) D. Di Castro, A. Morelli, S. Ridolfi (2008). "The Ascarelli Crown in Rome's Jewish Museum, Historical and Artistic Considerations and Non-Invasive EDXRF Diagnostic Investigations", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 43) R. Cesareo, A. Brunetti, S. Ridolfi (2008). "Determination of Gold Leaf Thickness of Pre-Colombian Gilded Copper Objects by Energy-Dispersive X-Ray Fluorescence Spectra", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 44) S. Ridolfi (2008). "Definition of Standard Procedures for the Diagnostic Analysis of Marble Surfaces in Indoor Environments: The Case Study of the "Veiled Christ" (1753) in Naples", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 45) G.E. Gigante, D. Artioli, D. Ferro, N. Gabrielli, G. Guida, S. Guido, M. Guiso, G. Mantella, S. Ridolfi (2008). "Restoration of the Funeral Monument of Pope Sixtus IV by Antonio Pollaiuolo (1493) in the Vatican Basilica: Non Invasive and microdestructive Analysis - An Operation Protocol", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 46) L. Botti, D. Ferro, G. Impagliazzo, M. Placido, L. Residori, S. Ridolfi, D. Ruggiero, M.T. Tanasi (2008). "Study of Some Albumen Photographic Prints", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 47) S. Ridolfi (2008). "Analisi di materiale lapideo tramite sistema portatile di Fluorescenza X: il caso del "Cristo Velato" nella Cappella Sansevero di Napoli.", DIACOMAST08, Naples Italy.
- 48) S. Ridolfi, V. Fassina, I. Carocci (2008). "Diagnostic survey of outdoor frescos: synergy among scientists and restorers.", I meeting internazionale Youth in Conservation of Cultural Heritage - YOCOCU Rome Italy.
- 49) C. Giardino, G. Guida, S. Ridolfi (2007). "The Prehistoric Metals From Oman: New Data", 2nd

international conference "Archaeometallurgy in Europe, Grado, Italy.

- 50) R.Cesareo, G.E.Gigante, S.Ridolfi (2007). " L'utilizzo della fluorescenza X nell'analisi di bronzi antichi", 93th Congresso Nazionale "Società Italiana di Fisica", Pisa, Italy.
- 51) S.Ridolfi et al (2006). "Progetto SAIME per la determinazione del titolo dell'oro nelle leghe per oreficeria: criteri per la scelta di uno strumento basato sulla fluorescenza X", 31th Convegno Nazionale AIM, Milan, Italy.
- 52) S.Ridolfi et al (2006). "SAIME: Study and development of innovative analysis methods for determining gold in precious metal alloys by EDXRF", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 53) R.Cesareo, S.Ridolfi, A. Castellano, M.Donativi, G.Buccolieri, G.Palamà, S.Quarta (2006). "Measurement of gold leaf thickness by attenuation or self attenuation of X Rays", European Conference on X-Ray Spectrometry EXRS06, Paris, Francia.
- 54) G.E.Gigante, S.Ridolfi (2006). "In site EDXRF archaeometric measurements of the golden globe on top of San Peter Dome in Rome", European Conference on X-Ray Spectrometry, EXRS06, Parigi, France.
- 55) R.Cesareo et al (2006). "Portable micro-XRF equipment with a polycapillary conic collimator", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 56) S.Ridolfi et al (2006). "Analysis for cleaning and protection from vandals' smear on stone-like materials availing of a specifically assembled portable EDXRF system", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 57) G.Molin et al (2005). "Potenzialità dell'indagine XRF nella diagnostica di opere pittoriche ad affresco", Convegno Nazionale AIAR, Innovazioni Tecnologiche per i Beni Culturali in Italia, Caserta, Italy.
- 58) S.Ridolfi, C. Seccaroni, C. Viviani (2005). "Characterization of the combined use of two yellow pigments derived from lead and antimony by applying the FP-EDXRF technique to the analysis of a painting dating from the second half of the XVII century.", ART05, Lecce, Italia.
- 59) L.Botti et al (2005). "A particularly serious state of degradation of a group of historical documents: the use of a portable EDXRF device to study the phenomenon.", ART05, Lecce, Italya.
- 60) S.Ridolfi, R.Ciarla, G.Guida (2005). "The Use of Non-Destructive Techniques to define the components of the alloy and patina in a Chinese bronze finishing, in the form of a Taotie Mask (X-VIII Centuries B.C.)", ART05, Lecce, Italy.
- 61) D.Radeglia, S. Ridolfi (2004). "Il Cielo d'argento. Un prezioso restauro dalla basilica di San Nicola a Bari. Multimedialità come fruibilità", Conferenza Italiana sui sistemi intelligenti, Perugia, Italy.
- 62) G.S.Korres, G.E.Gigante, S.Ridolfi (2004). "Archeometallurgical studies with a movable EDXRF spectrometer on Messenian Gold", Archaeometry04, Saragoza, Spain.
- 63) G.E.Gigante, S.Ridolfi (2004). "Investigation of big bronze artifacts using destructive and non destructive techniques", European Conference on X-Ray Spectrometry EXRS04, Alghero, Italy.
- 64) S.Ridolfi, C.Seccaroni (2004). "EDXRF analysis of a work of art made from various materials: Teramo cathedral's silver antependium", European Conference on X-Ray Spectrometry EXRS04, Alghero, Italy.
- 65) R.Pani, P.Bennati, M.N.Cinti, R.Pellegrini, M.Betti, S.Ridolfi, N.Lanconelli, A.Karimian, F.Garibaldi, F.Cusanno, M.Marini, F.De Notaristefani (2004). "Imaging characteristics comparison of compact pixellated detectors for Scintimammography". IEEE Medical Imaging Conference (MIC) Rome, Italy.
- 66) G.E.Gigante, S.Ridolfi, G.Visco, G.Guida (2003). "Appraisal of the new approach to the archaeometric study of ancient metal artifacts by the use of movable EDXRF equipments": "Archaeometallurgy in Europe", Milan, Italy.
- 67) R.Pani, R.Pellegrini, M.N.Cinti, C.Trotta, G.Trotta, R.Scafà, L.D'Addio, G.Iurlaro, L.Montani, P.Bennati, S.Ridolfi, F.Cusanno, F.Garibaldi (2003). "Factors affecting Flat Panel PMT Calibration for Gamma Ray Imaging", IEEE NSS-MIC Conference Record, Vol. 2.
- 68) G.E.Gigante, S.Ridolfi, P.Canegallo (2003). "Analisi quantitative di ottoni ed acciai mediante EDXRF con l'impiego di un sistema portatile dedicato", 10th National Congress AIPnD Ravenna, Italy.
- 69) G.E.Gigante, G.Guida, S.Ridolfi (2002). "Energy-dispersive X-ray fluorescence (EDXRF) as applied to the investigation of big bronze works." ART02 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage, Antwerp, Belgium

PUBLICATIONS

- 1) Pani, R., Colarieti-Tosti, M., Cinti, M.N., Polito, C., Trigila, C., Ridolfi, S.
Investigation of radiation detection properties of CRY-018 and CRY-019 scintillators for medical imaging (2016) Journal of Instrumentation, 11 (9), art. no. P09010, .
DOI: 10.1088/1748-0221/11/09/P09010
- 2) Pani, R., Pellegrini, R., Cinti, M.N., Longo, M., Donnarumma, R., D'Alessio, A., Borrazzo, C., Pergola, A., Ridolfi, S., De Vincentis, G. Development of a novel gamma probe for detecting radiation direction (2016) Journal of Instrumentation, 11 (1), art. no. C01002, .
DOI: 10.1088/1748-0221/11/01/C01002
- 3) Cinti, M.N., Pani, R., Pellegrini, R., Bennati, P., Orlandi, C., Fabbri, A., Ridolfi, S., Scafè, R. Spectrometric performances of high quantum efficiency multi and single anode PMTs coupled to LaBr3(Ce) crystal (2013) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 724, pp. 27-33.
DOI: 10.1016/j.nima.2013.04.045
- 4) Pani, R., Cinti, M.N., Pellegrini, R., Bennati, P., Ridolfi, S., Scafè, R., Orsolini Cencelli, V., De Notaristefani, F., Fabbri, A., Navarria, F.L., Lanconelli, N., Moschini, G., Boccaccio, P. Pulse height non-linearity in LaBr3:Ce crystal for gamma ray spectrometry and imaging (2011) Nuclear Physics B - Proceedings Supplements, 215 (1), pp. 168-172.
DOI: 10.1016/j.nuclphysbps.2011.03.167
- 5) Pani, R., Pellegrini, R., Cinti, M.N., Bennati, P., Fabbri, A., Ridolfi, S., Scafè, R., De Vincentis, G., Di Castro, E., Polli, N.S.A., Caratozzolo, M., Mattioli, M., Boccaccio, P., Moschini, G., Lanconelli, N., Lo Meo, S., Navarria, F., Sacco, D., Cencelli, V.O., Baroncelli, T., de Notaristefani, F. Dual Modality Ultrasound-SPET Detector for Molecular Imaging (2011) Nuclear Physics B - Proceedings Supplements, 215 (1), pp. 319-323.
DOI: 10.1016/j.nuclphysbps.2011.04.043
- 6) Cinti, M.N., Pani, R., Bennati, P., Pellegrini, R., Scafè, R., Fabbri, A., Orlandi, C., Ridolfi, S. Reliability of high quantum efficiency MA-PMT for spectrometric quality assurance of scintillation imagers (2011) IEEE Nuclear Science Symposium Conference Record, art. no. 6154657, pp. 1665-1668.
DOI: 10.1109/NSSMIC.2011.6154657
- 7) Pani, R., Bennati, P., Pellegrini, R., Cinti, M.N., Scafè, R., Stefano, R., De Vincentis, G., Di Castro, E., Lo Meo, S., Fabbri, A., Cencelli, V., De Notaristefani, F. LaBr3(Ce) and NaI(Tl) performance comparison for single photon emission imaging (2011) IEEE Nuclear Science Symposium Conference Record, art. no. 6153854, pp. 4433-4436.
DOI: 10.1109/NSSMIC.2011.6153854
- 8) Pani, R., Cinti, M.N., Bennati, P., Pellegrini, R., Cencelli, V.O., Fabbri, A., De Notaristefani, F., Sacco, D., Baroncelli, A., Amendola, G., Scafè, R., Ridolfi, S., De Vincentis, G., Di Castro, E., Mattioli, M., Boccaccio, P., Moschini, G., Lanconelli, N., Lo Meo, S., Navarria, F. Design and characterization of a dual modality (SPET-US) tomographic device (2011) IEEE Nuclear Science Symposium Conference Record, art. no. 6152680, pp. 2516-2520.
DOI: 10.1109/NSSMIC.2011.6152680
- 9) Pani, R., Vittorini, F., Cinti, M.N., Bennati, P., Pellegrini, R., Ridolfi, S., Scafè, R., Lo Meo, S., Mattioli, M., Navarria, F.L., Moschini, G., Fabbri, A., D'Abramo, E., Orsolini Cencelli, V., Sacco, D. Revisited position arithmetics for LaBr3:Ce continuous crystals (2009) Nuclear Physics B - Proceedings Supplements, 197 (1), pp. 383-386.
DOI: 10.1016/j.nuclphysbps.2009.10.109
- 10) Pani, R., Cinti, M.N., Pellegrini, R., Bennati, P., Ridolfi, S., Orsolini Cencelli, V., Fabbri, A., De Notaristefani, F., Sacco, D., Navarria, F., Lo Meo, S., Lanconelli, N., Moschini, G., Boccaccio, P., Scafè, R., De Vincentis, G. Evaluation of Hamamatsu H8500 new series MAPMTs for readout of high-resolution LaBr3:Ce scintillation crystal (2009) IEEE Nuclear Science Symposium Conference Record, art. no. 5402274, pp. 1542-1546.
DOI: 10.1109/NSSMIC.2009.5402274
- 11) Pani, R., Cinti, M.N., Scafè, R., Pellegrini, R., Vittorini, F., Bennati, P., Ridolfi, S., Lo Meo, S., Mattioli, M., Baldazzi, G., Pisacane, F., Navarria, F., Moschini, G., Boccaccio, P., Orsolini Cencelli, V., Sacco, D. Energy resolution measurements of LaBr3:Ce scintillating crystals with an ultra-high quantum efficiency photomultiplier tube

(2009) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 610 (1), pp. 41-44.

DOI: 10.1016/j.nima.2009.05.058

12) Fabbri, A., Cencelli, V.O., De Notaristefani, F., D'Abramo, E., Moschini, G., Navarra, F., Pani, R., Petulla, F., Rioldino, D., Pellegrini, R., Cinti, M.N., Ridolfi, S. Integrated readout electronics For multi anode PSPMT (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774581, pp. 1062-1065.

DOI: 10.1109/NSSMIC.2008.4774581

13) Pani, R., Pellegrini, R., Bennati, P., Cinti, M.N., Ridolfi, S., Scafè, R., Vincentis, G.D., Meo, S.L., Lanconelli, N., Navarra, F., Moschini, G., Fabbri, A., D'Abramo, E., Sacco, D., Cencelli, V.O., Notaristefani, F.D. A novel parallel hole collimator for high resolution SPET imaging with a compact LaBr3 gamma camera (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774115, pp. 3824-3828.

DOI: 10.1109/NSSMIC.2008.4774115

14) Pani, R., Cinti, M.N., Scafè, R., Bennati, P., Pellegrini, R., Vittorini, F., Ridolfi, S., Lo Meo, S., Mattioli, M., Baldazzi, G., Trotta, G., Navarra, F., Moschini, G., Orsolini Cencelli, V. Gamma-ray spectroscopy with LaBr3:Ce scintillation crystal coupled to an ultra high quantum efficiency PMT (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774853, pp. 2462-2466.

DOI: 10.1109/NSSMIC.2008.4774853

15) Cinti, M.N., Majewski, S., Williams, M.B., Bachmann, C., Cominelli, F., Kundu, B.K., Stolin, A., Popov, V., Welch, B.L., De Vincentis, G., Bennati, P., Betti, M., Ridolfi, S., Pani, R. Iodine 125 imaging in mice using NaI(Tl)/flat panel PMT integral assembly (2007) IEEE Transactions on Nuclear Science, 54 (3), pp. 461-468.

DOI: 10.1109/TNS.2007.893324

16) Pani, R., Pellegrini, R., Cinti, M.N., Trotta, C., Trotta, G., Scafè, R., D'Addio, L., Iurlaro, G., Montani, L., Bennati, P., Ridolfi, S., Cusanno, F., Garibaldi, F. Factors affecting hamamatsu H8500 flat panel PMT calibration for gamma ray imaging (2007) IEEE Transactions on Nuclear Science, 54 (3), pp. 438-443.

DOI: 10.1109/TNS.2007.897033

17) Cinti, M.N., Scafè, R., Pellegrini, R., Trotta, C., Bennati, P., Ridolfi, S., Lanconelli, N., Montani, L., Cusanno, F., Garibaldi, F., Telfer, J., Pani, R. CsI(Tl) micro-pixel scintillation array for ultra-high resolution gamma-ray imaging (2007) IEEE Transactions on Nuclear Science, 54 (3), pp. 469-474.

DOI: 10.1109/TNS.2007.891227

18) Pani, R., Cinti, M.N., Pellegrini, R., Bennati, P., Lo Meo, S., Ridolfi, S., Vittorini, F., De Notaristefani, F., Mattioli, M. Photodetector and scintillation crystals requirements for gamma-ray imaging (2007) Nuovo Cimento della Societa Italiana di Fisica C, 30 (5), pp. 435-448.

DOI: 10.1393/ncc/i2008-10261-1

19) Pani, R., Cinti, M.N., Pellegrini, R., Betti, M., Devinentis, G., Bennati, P., Ridolfi, S., Iurlaro, G., Montani, L., Scafè, R., Marini, M., Porfiri, L.M., Giachetti, G., Baglini, F., Salvadori, G., Madesani, M., Pieracci, M., Catarsi, F., Bigongiari, A. Compact large FoV gamma camera for breast molecular imaging (2006) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 569 (2 SPEC. ISS.), pp. 255-259.

DOI: 10.1016/j.nima.2006.08.030

20) Pani, R., Bennati, P., Cinti, M.N., Pellegrini, R., Betti, M., Ridolfi, S., Lanconelli, N., Karimian, A., Garibaldi, F., Cusanno, F., Marini, M., De Notaristefani, F. Imaging characteristics comparison of compact pixellated detectors for Scintimammography (2004) IEEE Nuclear Science Symposium Conference Record, 6, pp. 3748-3751.

21) Pani, R., Pellegrini, R., Cinti, M.N., Trotta, C., Bennati, P., Betti, M., De Vincentis, G., Cusanno, F., Garibaldi, F., Ridolfi, S., Majewsky, S., Tsui, B.M.W. New Devices for Imaging in Nuclear Medicine (2004) Cancer Biotherapy and Radiopharmaceuticals, 19 (1), pp. 121-128.

DOI: 10.1089/108497804773391766

- 22) Pani, R., Pellegrini, R., Cinti, M.N., Mattioli, M., Trotta, C., Montani, L., Iurlaro, G., Trotta, G., D'Addio, L., Ridolfi, S., De Vincentis, G., Weinberg, I.N. Recent advances and future perspectives of position sensitive PMT (2004) Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, 213, pp. 197-205.
DOI: 10.1016/S0168-583X(03)01571-4
- 23) Cinti, M.N., Scafè, R., Pellegrini, R., Trotta, C., Bennati, P., Ridolfi, S., Montani, L., Cusanno, F., Garibaldi, F., Telfer, J., Pani, R. Csl(T1) micro-pixel scintillation array for ultra-high resolution gamma-ray imaging (2003) IEEE Nuclear Science Symposium Conference Record, 4, art. no. M7-93, pp. 2371-2375.
- 24) Pani, R., Cinti, M.N., Pellegrini, R., Trotta, C., Trotta, G., Montani, L., Ridolfi, S., Garibaldi, F., Scafè, R., Belcari, N., Del Guerra, A. Evaluation of flat panel PMT for gamma ray imaging (2003) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 504 (1-3), pp. 262-268.
DOI: 10.1016/S0168-9002(03)00774-5
- 25) Pellegrini, R., Pani, R., Cinti, M.N., Trotta, C., Iurlaro, G., Betti, M., Bennati, P., Cusanno, F., Garibaldi, F., Ridolfi, S., Mattioli, M., Majewski, S., Tsui, B.M.W. Design of compact pinhole SPECT system based on Flat Panel PMT (2003) IEEE Nuclear Science Symposium Conference Record, 3, art. no. M3-49, pp. 1828-1832.
DOI: 10.1109/nssmic.2003.1352234
- 26) Pani, R., Pellegrini, R., Trotta, C., Cinti, M.N., Bennati, P., Trotta, G., Iurlaro, G., Montani, L., Ridolfi, S., Cusanno, F., Garibaldi, F. Flat panel PMT: Advances in position sensitive photodetection (2003) Nuclear Physics B - Proceedings Supplements, 125, pp. 53-59.
DOI: 10.1016/S0920-5632(03)90966-2
- 27) Pani, R., Pellegrini, R., Cinti, M.N., Trotta, C., Trotta, G., Scafè, R., D'Addio, L., Iurlaro, G., Montani, L., Bennati, P., Ridolfi, S., Cusanno, F., Garibaldi, F. Factors Affecting Flat Panel PMT Calibration for Gamma Ray Imaging (2002) IEEE Nuclear Science Symposium and Medical Imaging Conference, 2, pp. 671-675.

Bronze alloys

Michelangelo's heads by Daniele da Volterra, Museo dell'Accademia di Firenze and Louvre Parigi
Equestrian statue of Colleoni, from Verrocchio, Venice
Equestrian statue of Gattamelata, Donatello, Padua
Equestrian statue of Vittorio Emanuele II, Naples
Prehistoric bronzes from the San Francesco collection, Civic Museum, Bologna.
Prehistoric e early history collections, Archaeological Museum, Chieti.
Archaeological dig of Pyrgos and Sotira Kaminoudhia, Cyprus.
Bronzes from the far East, National Museum of Oriental Art, Rome.
Roman statue " The Dancing Satyr of Mazara del Vallo", Istituto Centrale del Restauro, Rome.
Bronze statue "Ercole saettante" of Emile Bourdelle, National Gallery of Modern Art, Rome.
"The black Saint Peters", bronze statue, Saint Peter's Basilica, Vatican.
" Equestrian statue to Duca d'Aosta" of Davide Calandra, Turin.
"Monument to Vincenzo Vela" of Davide Calandra, Turin.
"Funerary monument to Sisto IV" of Antonio del Pollaiuolo, Treasure museum, Vatican.
Golden globe on the top of the Saint Peter's Basilica, Vatican.

Precious alloys

Crucifix in silver embossed plate X century, Pavia;
Mycenaean daggers in gold and silver and funeral mask of Agamemnon, Archaeological Museum of Athens, Greece;
Paliotto of Nicola of Guardiagrele, Teramo;
"Cross of Sant'Agostino", "Croce di Guardiagrele", "Cross of San Giovanni in Laterano", "Cross of Antrodoco", "Ostensory of Francavilla", "Ostensory of Atessa" in silver and enamels of Nicola di Guardiagrele, Rome;
Paliotto in silver of Cathedral of Ascoli;
"The silver sky", Istituto Centrale per il Restauro (I.C.R.), Rome;
Treasure of San Gennaro, Naples.

Mobile paintings

Paintings by Caravaggio, all the Caravaggio paintings in Rome, project of the Ministry of Culture
Paintings by Trevisani, Chiesa di Santa Maria degli Angeli, Rome
Caravaggio, "Crucifixion of St. Andrew, Back Vega collection
Paintings on paper and silk from the far East, National Museum of Oriental Art, Rome.
Paintings of Giorgio De Chirico, De Chirico Foundation collection, Rome.
Paintings of Giorgio De Chirico, National Gallery of Modern Art (G.N.A.M.), Rome.
Paintings of Giacomo Balla and Giovanni Fattori, National Gallery of Modern Art (G.N.A.M.), Rome.
"Portrait of a young man with a black dress" on canvas, of Amedeo Modigliani, Grenoble museum, France.
Paintings on canvas Amedeo Modigliani, National Gallery of Modern Art (G.N.A.M.), Roma.
"The martyrdom Santa Caterina" canvas, of Mattia Preti, La Valletta, Malta.
Paintings on canvas "Il mattino", "Le nubi", "La quiete" di A. Fontanesi, National Gallery of modern Art (G.A.M.), Turin.
"Flowers", serigraphy of Andy Warhol.
"Two cart drivers at night" of Renato Guttuso, gouache on paper, Guttuso Foundation, Rome.
"Croix of Santa Giulia" multimedial on wood Cattedrale of San Martino, Museum of Guinigi Palace, Lucca.
"Vision of Holy Amedeo Menez", wooden painting of PseudoBramantino, National Museum of Antic Art Barberini Palace, Rome.
"Breakfast on the beaches of Posillipo" canvas, of Pietro Fabris, Royal Palace of Caserta, Caserta.
"Wheat field", "Desert evening" canvas, of Mario Schifano, Rome.
"Nativity of the Virgin" canvas, Antonio Gherardi, Narni.
Painted wood of Palma the Old "The Holy conversation", National Museum of Belgrade, Serbia.
"Pietà" wood painting, Giovanni Bellini, Uffizi Museum, Florence.
Polychrome wooden crucifix, Foiano della Chiana.
Icon "Deisis" from Tirana Historical Museum, Albania.
Chinese screens Coromandel of polychrome lacquer on wood, XVIII century, Home of the American embassy in Rome.
Liturgical register ("Cantorini") XIV century from the Archival Superintendency for Umbria, Perugia, Historical Archive.
Photographic album for the Enrico De Nicola president (1923), from the Historical Archives of the Presidency of the Republic, Rome.

Codex of 1587 Actorum Civilium, Historical archive Ravenna.
Parchment Codex, Historical archive Assisi.

Unmovable paintings

Frescoes in Chiesa Nuova Rome, Poetro da Cortona
Frescoes in Senato della Repubblica, Sala Maccari and Sala Garibaldi
Frescoes Cappella Santa Chiara, XV century, Roccantica, Rieti
Frescoes by Pietro da Cortona, Chiesa nuova, Rome
Frescoes by Mengs, Gloria di S. Eusebio, Rome
Frescoes from the Annunziata chappel, Quirinale Presidential Palace, Roma.
Frescoes from the Livia roman villa, National Roman Museum of Palazzo Massimo alle Terme, Rome.
Frescoes of Ludovico Pozzoserrato from the facade of the Confraternita di Santa Maria dei Battuti, Conegliano Veneto.
Frescoes from Antonio Cesa chapel, Santo Stefano church, Belluno.
Frescoes from Giulio II castle, Ostia.
Frescoes from the roman Mithraeum of Sutri.
"Mosaic of the harvest", roman, Colle Oppio, Rome.
Mosaic of the Triumphal Arch of the Basilica of San Lorenzo Fuori le Mura, Rome.
"Secret closet of the Duchesses", polychrome wood, Estense castle, Ferrara.
Marble tabernacle from Donatello, Treasure Museum, Vatican.

Statues

"The Maiden of Anzio," roman marble statue, National Roman Museum of Palazzo Massimo alle Terme, Rome.
"Sarcophagus of Bonifacio VIII" marble, di Arnolfo di Cambio, Vatican grottoes, Vatican.
"Veiled Christ" marble from Giuseppe Sammartino, Sansevero chappel, Napoli.
"Apollo of Veio" terracotta, from the Etruscan temple of Portonaccio, Veio.
Bas-reliefs and decorations Etruscan polychrome terracotta, Museum of the city of Cori, Cori.
Polychrome wooden statue of the "Immacolata" of Paolo Saverio di Zinno, Rome.
Polychrome wooden statue of the "Madonna della Luna Nera", Rome.
Polychrome wooden statue of the Indian "Bodhisattva", National Museum of Oriental Art, Rome

Rome 12/01/2024