

CURRICULUM VITAE EUROPASS



PERSONAL INFORMATION

Name LAURA RICCIOTTI
Address VIA PIETRO PIOVANI 29, 80145, NAPLES
Phone 081 7407421 Mobile: +39 349 2259916
E-mail laura.ricciotti@unicampania.it
Nationality Italian
Date of birth 19/03/1984

RESEARCH CONTRACTS

- Date **02 May 2022 - 30 April 2025**
Fixed-term researcher type A (RTD-A)
Department of Architecture and Industrial Design, University of Campania, Luigi Vanvitelli, Abbazia di S.Lorenzo ad Septimum, via San Lorenzo 4 - 81031, Aversa (CE)

- Date **01 March 2021 - 28 February 2022**
Research Fellowship, Department of Engineering, University of Naples Parthenope

- Date **Contract Co.Co. CRDC Tecnologie SCARL**, via Nuova Agnano 11, Napoli.

- Date **15 November 2018 - 16 December 2018**
Autonomous Employment Contract, Department of Engineering, University of Naples Parthenope.

- Date **16 July 2018 - 16 September 2018**
Co.Co. contract. Department of Engineering, University of Naples Parthenope.

- Date **1 July 2017 - 30 June 2018**
Ren. Research Fellowship Dip. of Structures for Engineering and Architecture, University of Naples Federico II.

- Date **11 May 2015 - 10 August 2016**
Research Fellowship, Dept. of Structures for Engineering and Architecture, University of Naples Federico II.

- Date **16 February 2015-15 March 2015**
Contract of Occasional Self-Employed Work, Department of Engineering, University of Naples Parthenope.

- Date **October 2013-September 2014**
Research Fellowship, Department of Engineering, University of Naples Parthenope.

- Date **October 2012-September 2013**
Research Fellowship, Department of Engineering, University of Naples Parthenope.

- Date **March 2009-March 2010**
Internship for research activities, ENEA C.R. PORTICI, Loc Granatello, Via Vecchio Macello, snc, 80055 Portici, **Napoli**

- Date **May 2008-October 2008**
CO.CO.CO. contract. Department of Chemistry, University of Naples Federico II.

TEACHING CONTRACTS

- Date **Academic Years 2017-2018/2018-2019/2020-2021**
General Chemistry with Laboratory, Supplementary Teaching Activity (40 hours), Bachelor of Science in Biological Sciences, University of Naples Parthenope

- Date **Academic Years 2018-2019/2019-2020-2021/2021-22**
Chemistry (SSD/Chim 07) for 06 CFU, Faculty of Economics, Degree Course in Management Engineering L-9, Universitas Mercatorum, Piazza Mattei, 10 - 00186 ROMA.

- Date **Academic Year 2015-2016**
Chemistry (9 CFU), Degree Course in Civil Engineering, University of Naples Parthenope. **General and Inorganic Chemistry**, Supplementary Teaching Activity (50 hrs.), Faculty of Agriculture, University of Naples Federico II.

- Date **Academic Year 2014-2015**
General and Inorganic Chemistry (40 hours), Faculty of Agriculture, University of Naples Federico II.

- Date **Academic Year 2013-2014**
General and Inorganic Chemistry (40 hours), Bachelor of Science in Biology, University of Naples Federico II.

- Date **July 2012-September 2012**
General Chemistry, Teaching and Tutoring, University of Naples Federico II.

- Date **Academic Year 2011-2012**
General and Inorganic Chemistry (20 hours), Faculty of Veterinary Medicine, University of Naples Federico II.

- Date	Academic Year 2008-2009/2009-2010-2011 Coordination of Laboratory Activities and Frontal Lessons for Orientation, Department of Chemistry, University of Naples Federico II
SUPERVISOR - CO-RAPPOREUR	
DEGREE THESIS	
- Date	Academic Years 2011-2012/2018-2019/2020-2021 5 Dissertation at University of Naples Federico II, University of Naples Parthenope, Universitas Mercatorum.
AWARDS AND RECOGNITION	
- Date	October 2018 Fifth Place 'Start Cup Campania' Award with the project: 'GeoSyl - Innovative Expanded Systems for Energy Efficiency'. 4th Place National Innovation Award - PNI 2018
- Date	October 2013 First Prize 'Start Cup Campania' with the project: 'Photostable cholesteric films for the selective reflection and/or transmission of light - Intelligent Glasses'. 4th Place PNI 2013.
- Date	May 2021 Third place in the 'Innovative Health' section of the 'Lifeability Award' competition with the project 'SMACK: Smart Masks and fabrics against Covid Killer'.
TITLES AND EXPERIENCE	
- Date	December 2018 Co-founder and Sole Director Academic Spin-off GeoSyl, University of Naples Parthenope , development of expanded elements for thermal and acoustic insulation based on geopolymer hybrid materials, characterised by excellent performance, low cost and eco-sustainability.
- Date	1 December 2017 National Scientific Qualification Materials Science and Technology - 09/D1 (SSD ing-ind/22).
Qualification obtained	December 2011 PhD in Chemical Sciences , University of Naples Federico II.
- Date	October 2007 Master's Degree in Chemical Sciences 110/110 cum laude, University of Naples Federico II.
- Qualification obtained	October 2005 Bachelor's Degree in Chemistry , University of Naples Federico II.
- Date	
Qualification obtained	
PUBLICATIONS	
	<ol style="list-style-type: none"> 1. Colangelo, F.; Roviello, G.; Ricciotti, L.; Ferrándiz-Mas, V.; Messina, F.; Ferone, C.; Tarallo, O.; Cioffi, R.; Cheeseman, C.R. (2018). Mechanical and thermal properties of lightweight geopolymer composites containing recycled expanded polystyrene. CEM. CONCR. COMPOS. 86, 266-272. 2. Roviello G, Menna C, Tarallo O, Ricciotti L, Messina F, Ferone C, Asprone D, Cioffi R (2017). Lightweight geopolymer-based hybrid materials. COMPOSITES. PART B, ENGINEERING, ISSN: 1359-8368. 3. Roviello Giuseppina, Ricciotti Laura, Tarallo Oreste, Ferone Claudio, Colangelo Francesco, Roviello Valentina, Cioffi Raffaele (2016). Innovative fly ash geopolymer-epoxy composites: Preparation, microstructure and mechanical properties. MATERIALS, vol. 9, ISSN: 1996-1944, doi:10.3390/ma9060461. 4. Strini Alberto, Roviello Giuseppina, Ricciotti Laura, Ferone Claudio, Messina Francesco, Schiavi Luca, Corsaro Davide, Cioffi Raffaele (2016). TiO₂-based photocatalytic geopolymers for nitric oxide degradation. MATERIALS, vol. 9, ISSN: 1996-1944, doi: 10.3390/ma9070513. 5. Roviello G., Menna C., Tarallo O., Ricciotti L., Ferone C., Colangelo F., Asprone D., di Maggio R., Cappelletto E., Protà A., Cioffi R. (2015). Preparation, structure and properties of hybrid materials based on geopolymers and polysiloxanes. MATERIALS & DESIGN, vol. 87, p. 82-94, ISSN: 1873-4197, doi: 10.1016/j.matdes.2015.08.006. 6. Manini P., Criscuolo V., Ricciotti L., Pezzella A., Barra M., Cassinese A., Crescenzi O., Maglione M.G., Tassini P., Minarini C., Barone V., d'Ischia M. (2015). Melanin-inspired organic electronics: Electroluminescence in asymmetric triazatruxenes. CHEMPLUSCHEM, vol. 80, p. 919-927, ISSN:2192-6506, doi: 10.1002/cplu.201402444. 7. Roviello G., Ricciotti L., Ferone C., Colangelo F., Tarallo O. (2015). Fire resistant melamine based organic-geopolymer hybrid composites. CEMENT & CONCRETE COMPOSITES, vol. 59, p. 89-99, ISSN: 0958-9465, doi: 10.1016/j.cemconcomp.2015.03.007 8. Borbone Fabio, Grizzuti Nino, Pasquino Rossana, Ricciotti Laura, Roviello Antonio, Roviello Giuseppina (2015). Induced cholesteric solutions of highly soluble bis-salicylaldiminate Cu(II) metallomesogens and their rheological behaviour. LIQUID CRYSTALS, vol. 42, p. 1003-1012, ISSN: 0267-8292, doi: 10.1080/02678292.2015.1013069 9. Menna C, Asprone D, Forni D, Roviello G, Ricciotti L, Ferone C, Bozza A, Protà A, Cadoni E (2015). Tensile behaviour of geopolymer-based materials under medium and high strain rates. In: EPJ Web of Conferences. 10. Carella A, Borbone F, Roviello G, Caruso U, Ferone C, Ricciotti L, Pirozzi B, Persico P, Schieroni A, Roviello A (2014). Rigid chain ribbon-like metallopolymers. JOURNAL OF POLYMER SCIENCE PART A: POLYMER CHEMISTRY, ISSN: 1099-0518. 11. Chiarella F, Barra M, Ricciotti L, Aloisio A, Cassinese A (2014). Morphology, Electrical Performance and Potentiometry of PDIF-CN2 Thin-Film Transistors on HMDS-Treated and Bare Silicon Dioxide. ELECTRONICS, ISSN: 2079-9292. 12. Borbone F, Carella A, Roviello G, Ricciotti L, Panunzi B, Catauro M, Roviello A (2013). Synthesis and thermotropic behavior of cholesteric mixtures containing metallomesogen Cu(II), Ni(II), Pd(II) and vanadyl complexes. INORGANIC CHEMISTRY COMMUNICATIONS, ISSN: 1387-7003. 13. Ricciotti L, Borbone F, Carella A, Centore R, Roviello A, Barra M, Roviello G, Ferone C, Minarini C, Morvillo P (2013). Synthesis of highly regioregular poly[3-(4-alkoxyphenyl)-thiophene]s by oxidative catalysis using copper complexes. JOURNAL OF POLYMER SCIENCE PART A: POLYMER CHEMISTRY, ISSN: 1099-0518. 14. Colangelo F, Roviello G, Ricciotti L, Ferone C, Cioffi R (2013). Preparation and characterization of new geopolymer-epoxy resin hybrid mortars. MATERIALS, ISSN: 1996-1944. 15. Roviello G, Ricciotti L, Ferone C, Colangelo F, Cioffi R, Tarallo O (2013). Synthesis and characterization of novel epoxy geopolymer hybrid composites. MATERIALS, ISSN: 1996-1944.

16. Ricciotti L, Roviello G, Tarallo O, Borbone F, Ferone C, Colangelo F, Catauro M, Cioffi R (2013). Synthesis and characterizations of melamine-based epoxy resins. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, ISSN: 1422-0067.
17. Roberto Centore, Laura Ricciotti, Antonio Carella, Antonio Roviello, Mauro Causa', Mario Barra, Francesca Cicullo, Antonio Cassinese (2012). Perylene diimides functionalized with N-thiadiazole substituents: Synthesis and electronic properties in OFET devices. ORGANIC ELECTRONICS, vol. 13, p. 2083-2093, ISSN: 1566-1199.
18. Gottardi S, Toccoli T, Iannotta S, Bettotti P, Cassinese A, Barra M, Ricciotti L, Kubozono Y (2012). Optimizing picene molecular assembly by supersonic molecular beam deposition. JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES, ISSN: 1932-7447.
19. Borbone F, Carella A, Ricciotti L, Tuzi A, Roviello A, Barsella, A (2011). High nonlinear optical response in 4-chlorothiazole-based azo dyes. DYES AND PIGMENTS, ISSN: 0143-7208.
20. Massera E, Miglietta M L, Polichetti, T, Di Francia G, Borbone F, Ricciotti L, Pappalardo S, Roviello A (2011). Poly[3-(4-alkoxyphenyl)thiophenes] based chemical sensors. In: Lecture Notes in Electrical Engineering.
21. Ricciotti L, Molino A J, Roviello V, Chianese E, Cennamo P, Roviello G (2017). Geopolymer Composites for Potential Applications in Cultural Heritage. ENVIRONMENTS, 4, 91.
22. Roviello G, Ricciotti L, Molino A C, Menna C, Tarallo O, Ferone C, Cioffi R (2019), Hybrid Materials from Fly Ash Based Geopolymers and Polysiloxanes, Molecules, 24 ,19.
23. Roviello, G., Chianese, E., Ferone, C., Ricciotti, L., Roviello, V., Cioffi, R., Tarallo, O. Hybrid geopolymeric foams for the removal of metallic ions from aqueous waste solutions (2019) Materials, 12 (24), 4091.
24. Ricciotti, L., Occhicone, A., Petrillo, A., Ferone, C., Cioffi, R., Roviello, G. Geopolymer-based hybrid foams: Lightweight materials from a sustainable production process (2020) Journal of Cleaner Production, 250.
25. Roviello, G., Ricciotti, L., Molino, A.J., Menna, C., Ferone, C., Asprone, D., Cioffi, R., Ferrandiz-Mas, V., Russo, P., Tarallo, O. Hybrid fly ash-based geopolymeric foams: Microstructural, thermal and mechanical properties (2020) Materials, 13 (13), 1-19.

h-index 16; total citations 758; source Scopus as at 03/07/2022

<https://www.scopus.com/authid/detail.uri?authorid=36911683000> ORCID: <https://orcid.org/0000-0002-2817-1800>

PATENTS

1. Italian Patent, NA2011A000030 CONCESSO, Authors: Antonio Roviello, Laura Ricciotti, Fabio Borbone, Giuseppina Roviello, Antonio Carella '3-substituted polythiophenes of very high regioregularity from copper(II) catalysts'.
2. Italian Patent, NA2014A000027 CONCESSO, Authors: Giuseppina Roviello, Costantino Menna, Oreste Tarallo, Laura Ricciotti, Claudio Ferone, Domenico Asprone, Francesco Colangelo, Raffaele Cioffi, Antonio Roviello, Andrea Prota 'Geopolymer-silicone hybrid materials for high-temperature applications: method of preparation and resulting materials'
3. Italian Patent, 102019000007064 CONCESSO, Authors: Laura Ricciotti (Owner), Giuseppina Roviello, Oreste Tarallo, Costantino Menna, Claudio Ferone, Raffaele Cioffi, Pietro Russo, Domenico Asprone "Process for the large-scale manufacture of lightweight and non-weighted geopolymer hybrids and corresponding geopolymer hybrids manufactured by this process".
4. Italian Patent, No. 2020210002360 (DEPOSITED on 04/05/2021), Authors: Giuseppina Roviello, Oreste Tarallo, Vincenzo Russo, Martino di Serio, Laura Ricciotti, Claudio Ferone, Raffaele Cioffi. "Use of organic-inorganic hybrid materials in the adsorption of emerging organic pollutants".
5. Italian Patent, No. 102020000013054 (DEPOSITED 01/06/2020), Authors: Laura Ricciotti (owner), Gabriele di Blasio "Process for the production of advanced fabrics and surfaces with super-repellent, antibacterial and antiviral properties'

"Structural Applications" by Santoro L., Tarallo O., Cioffi R., Ferone C., Ricciotti L., Roviello G., of the book entitled "Chemically Activated Inorganic Polymer Geopolymers", ISBN 1447719131, 9781447719137-(2013).

7 Oral communications at national and international conferences

CHAPTERS IN BOOKS

ORAL COMMUNICATIONS AT CONGRESSES AND CONFERENCES

PROJECTS SUBMITTED AND POSITIVELY EVALUATED

- Date

February 2021

Call for proposals POR FESR 2014-2020, U.O.D. 5 - Innovative Startups and Digital Economy, The Project "GeoSyl - Development and industrialisation of innovative materials with low environmental impact" was eligible for funding.

- Date

June 2020

Call for co-funding by the Ministry of the Environment (Director's Decree, prot. 72 of 3/12/2020) "Call for co-funding of research projects aimed at the development of technologies for the prevention, recovery, recycling and treatment of waste not included in the categories already served by supply chain consortia, the eco-design of products and the proper management of related waste", The "NOVARES" Project was found to be eligible for funding.

- Date

July 2020

Call RFP INVEST-045: USAID INVEST: Mobilisation of Private Investment for Development Italy Economic Support Fund (ESF) for COVID-19 response, Project 'V-Scutum' found eligible for funding.

I authorise the processing of my personal data pursuant to Legislative Decree no. 196 of 30 June 2003 "Personal Data Protection Code". I declare the truthfulness of what is reported in the curriculum, pursuant to art. 46 of D.P.R. no. 445/2000.

Naples, 03 July 2022

Signature

