PERSONAL INFORMATION

Bergamonti Laura

Sex Female

Nationality Italian

WORK EXPERIENCE

15/03/2021 at present

Post-doc researcher

Department of Chemistry, Life Sciences and Environmental Sustainability - University of Parma

Research grant: "SYNTHESIS AND CHARACTERIZATION OF PHOTOCATALYTIC MATERIALS BASED ON TIO_2 NANOPARTICLES IN POLYAMIDOAMINES FOR THE ARTEFACTS PROTECTION" – SS.SS.DD. CHIM/07 and CHIM/12

01/07/2019 at present

Post-doc researcher

Department of Chemistry, Life Sciences and Environmental Sustainability - University of Parma

Research grant: "SUPPORT DEVELOPMENT OF NEW MATERIALS, MATERIALS CHARACTERIZATION" - S.S.D. CHIM/07

PON 2014- 2020 FESR - Project "Ricerca e Sviluppo di nuovi materiali avanzati per costruzioni eco-sostenibili, con caratteristiche di elevata efficienza energetica e sicurezza anti sismica, da ottenersi con sistemi avanzati di produzione ad alte prestazioni, efficienti ed ecocompatibili"

01/03/2018- 30/06/2019

Post-doc researcher

Department of Chemistry, Life Sciences and Environmental Sustainability - University of Parma

Research grant: "DESIGN AND CHARACTERIZATION OF NANOSTRUCTURED COATINGS FOR THE CONSERVATION OF CULTURAL HERITAGE" – SS.SS.DD. CHIM/03 and CHIM/12

01/01/2017 –31/12/2017

Post-doc researcher

Centro Interdipartimentale sulla Sicurezza Tecnologie Innovazione Agroalimentare – SITEIA - PARMA

Research grant - "DESIGN AND CHARACTERIZATION OF POROUS CERAMIC MATERIALS USING AGRICULTURAL WASTE" - S.S.D. ING-IND/22.

POR FESR 2014-2020 - Project "Sostenibilità e innovazione nella filiera vitivinicola ", (PG/2016/737442), CUP E42I15000120009 -

01/01/2015 –31/12/2016

Post-doc researcher

Department of Industrial Engineering - University of Parma

Research grant – "DESIGN AND CHARACTERIZATION OF NANOSTRUCTURED COATINGS FOR THE CONSERVATION OF CULTURAL HERITAGE" - S.S.D. ING-IND/22

MAECI - Project "NANO4HER, Nanotechnology at the service of cultural heritage preservation", Italy-Israel Scientific and Technological Cooperation, Ministry of Science.

EDUCATION AND TRAINING

PhD in Chemistry (SSD - CHIM 012): Environmental and Cultural Heritage Chemistry

2012 -2014 Università degli Studi di Parma

Thesis: "INORGANIC AND HYBRID INORGANIC-ORGANIC SYSTEMS FOR CONSERVATIVE TREATMENTS OF STONE AND WOOD MATERIALS"

Post-Graduate School - MASTER'S DEGREE – "Sciences for Cultural Heritage"

DEGREE - 22-11-2010, cum laude (full marks) - Università degli studi di Parma

Thesis: "SYNTHESIS AND PROPERTIES OF POLYURETHANE-TIO2 HYBRID COATINGS FOR STONE MATERIALS".

Graduate School - "Sciences and Technologies for the Conservation and Restoration of Cultural Heritage".

DEGREE - 26-2-2008, cum laude (full marks) - Università degli studi di Parma

Thesis: "CHARACTERIZATION OF WAXES USED IN CULTURAL ARTWORKS".

COURSES AND INTERNATIONAL SCHOOLS

Formazione Generale alla Prevenzione e alla Sicurezza sul Lavoro ai sensi del D.Lgs. 81/2008 e dell'Accordo Stato Regioni del 21/12/2011 e del 25/07/2012: Modulo 1: formazione generale; Modulo 2: formazione specifica – Rischio Basso; Modulo 3: formazione specifica – Rischio Medio. Parma, giugno 2020

Three-month internship at MONARIS (CNRS-UPMC) Paris 05 may-8 August 2014, ERASMUS PLACEMENT program Parma University/Université Pierre et Marie Curie - UPMC, Paris 6. Spectroscopic characterization of a new class of polymers used for protection of materials of interest for cultural heritage, for lignocellulose materials; molecular structure determination of MBA, a bifunctional amide used for the synthesis of polyamidoamines.

G.A.BE.C & G.N.M. 2014 International School: Innovative methodologies for the characterization, diagnosis and conservations of cultural heritage. Catania – Siracusa, 2014

II School on Application of Raman Spectroscopy to the Earth sciences. Milano Bicocca University, Milano Italy, 2013.

Advanced course Techniques of Atomic Force Microscopy. Parma University, Centro Interdipartimentale Misure, Parma, Italy, 2012.

Course on Multivariate Analysis: Employ of Multivariate Analysis and Chemometrics in Cultural Heritage and Environment. Rome University, La Sapienza Rome, Italy, 2012.

PUBLICATIONS

1. L. Bergamonti, S. Gentili, D. Acquotti, M. Tegoni, P. P. Lottici, C. Graiff, ***Toxic metal sequential sequestration in water using new amido-aminoacid ligand as a model for the interaction with polyamidoamines***. Journal of Hazardous Materials, 410, 124585 (**2021**). **Impact Factor 2019: 9.038. Impact Factor 2021: 10.588; Environmental Science Q1.**

2. L. Bergamonti, M. Potenza, A. H. Poshtiri, A. Lorenzi, A. M. Sanangelantoni, L. Lazzarini, …., C. Graiff, ***Ag-functionalized nanocrystalline cellulose for paper preservation and strengthening***. Carbohydrate Polymers, 231, 115773 (**2020**). **2019 Impact Factor: 7.182; Citazioni Scopus 3; Citazioni WOS 4.**

3. C. Bergonzi, G. Remaggi, C. Graiff, L. Bergamonti, M. Potenza, M. C. Ossiprandi, ..., L. Elviri, ***Three-Dimensional (3D) Printed Silver Nanoparticles/Alginate/Nanocrystalline Cellulose Hydrogels: Study of the Antimicrobial and Cytotoxicity Efficacy***. Nanomaterials, 10(5), 844 (**2020**). **Impact Factor 2019: 4.324; IF 2021: 5.076; Chemical Engineering Q1, Material science Q1; Citazioni Scopus 6; Citazioni WOS 2.**

4. M. A. B. Abdallah, A. Bacchi, A. Parisini, S. Canossa, L. Bergamonti, D. Balestri, S. Kamoun, ***Crystal structure, vibrational, electrical, optical and DFT study of $C_2H_{10}N_2(IO_3)_2.HIO_3$***. Journal of Molecular Structure, 128254 (**2020**). **2019 Impact Factor: 2.463.**

5. R. Di Maggio, S. Dirè, E. Callone, L. Bergamonti, P. P. Lottici, R. Albatici, ..., N. Ataollahi, ***Super-adsorbent polyacrylate under swelling in water for passive solar control of building envelope*****.** SN Applied Sciences, 2(1), 45 (**2020**). **Citazioni WOS 1**

6. L. Bergamonti, C. Bergonzi, C. Graiff, P.P. Lottici, R. Bettini, L. Elviri, ***3D printed chitosan scaffolds: a new TiO2 support for the photocatalytic degradation of amoxicillin in water***, Water Research, 163, 114841, (**2019**).

https://doi.org/10.1016/j.watres.2019.07.008. **2019 Impact Factor: 9.130; Citazioni Scopus 16; Citazioni WOS 12.**

7. L. Bergamonti, C. Graiff, M. Tegoni, G. Predieri, L. Elviri, S. Palanti, C. Paris, E. Cappelletto, R. Di Maggio, P.P. Lottici, ***Facile preparation of functionalized poly(amidoamine)s with biocidal activity on wood substrates***. European Polymer Journal 116, 232–241, (**2019**). https://doi.org/10.1016/j.eurpolymj.2019.04.027. **2019Impact Factor: 3.862; Citazioni Scopus 3; Citazioni WOS 2.**

8. L. Fornasini, L. Bergamonti, F. Bondioli, D. Bersani, L.a Lazzarini, Y. Paz, P.P. Lottici, ***Photocatalytic N-doped TiO2 for self-cleaning of limestone*****,** The European Physical Journal Plus, 134(10), 539 (**2018**). **2019 Impact Factor: 2.176; Citazioni Scopus 3; Citazioni WOS 2.**

9. M. A. Ben Abdallah, A. Bacchi, A. Parisini, S. Canossa, P. P. Mazzeo, Laura Bergamonti, S. Kamoun, ***X-ray, optical, vibrational, electrical, and DFT study of the polymorphic structure of ethylenediammonium bis iodate*** *α-$C_2H_{10}N_2(IO_3)_2$ and β-$C_2H_{10}N_2(IO_3)_2$.* Structural Chemistry (**2019**). https://doi.org/10.1007/s11224-019-01317-w. **2019 Impact Factor: 2.081; Citazioni Scopus 1; Citazioni WOS 1.**

10. S. Raneri, J. Crezzini, S. Arrighi, F. Boschin, I. Alfieri, G. Barone, L. Bergamonti, M. Giamello, P.P. Lottici, P. Mazzoleni, ***Measuring Weathering and Nanoparticle Coating Impact on Surface Roughness of Natural Stones***. Studies in Conservation, 64(5), 298-309 (**2019**). https://doi.org/10.1080/00393630.2018.1507706 - SCOPUS: 2-s2.0-85053057046. **2019 Impact Factor. 0.623**

11. R. Basile, L. Bergamonti, F. Fernandez, C. Graiff, A. Haghighi, C. Isca, P.P. Lottici, B. Pizzo, G. Predieri, ***Bio-inspired consolidants derived from crystalline nanocellulose for decayed wood*****.** Carbohydrate Polymers 202, 164-171 (**2018**). https://doi.org/10.1016/j.carbpol.2018.08.132. – SCOPUS: 2-s2.0-85052938673 - WOS:000446027100020. **2019 Impact Factor: 7.182; Citazioni Scopus 3; Citazioni WOS 3.**

12. L. Bergamonti, R. Taurino, L. Cattani, D. Ferretti, F. Bondioli, ***Lightweight hybrid organic-inorganic geopolymers obtained using polyurethane waste***, Construction and Building Materials 185, 285-292 (**2018**). https://doi/10.1016/j.conbuildmat.2018.07.006 - SCOPUS:2-s2.0-85049979271 - WOS:000443665000028. **2019 Impact Factor: 4.419**; **Citations Scopus 17; Citazioni WOS 16**

13. S. Raneri, G. Barone, P. Mazzoleni, I. Alifieri, L. Bergamonti, T. de Kock, V. Cnudde, P.P. Lottici, A. Lorenzi, G. Predieri, E. Rabot, J. Teixeira, ***Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones***. MethodsX 5, 1095-1101 (**2018**). https://doi.org/10.1016/j.mex.2018.08.013 - WOS:000454531500122 - SCOPUS: 2-s2.0-85053760211. **NON CENSITA WOS**; **Scopus Citations 2; Citazioni WOS 2**

14. S. Raneri, G. Barone, P. Mazzoleni, I. Alfieri, L. Bergamonti, T. De Kock, V. Cnudde, P.P. Lottici, A. Lorenzi, G. Predieri, E. Rabot, J. Teixeira, ***Efficiency assessment of hybrid coatings for natural building stones: Advanced and multi-scale laboratory investigation***, Construction and Building Materials, 180, 412-424 (**2018**). https://doi/10.1016/j.conbuildmat.2018.05.289 - WOS:000439538500040 -SCOPUS: 2-s2.0-85048158740. **2019 Impact Factor: 4.419**; **Scopus Citations 4; WOS 4**

15. L. Bergamonti, F. Bondioli, I. Alfieri, S. Alinovi, Andrea Lorenzi, G. Predieri, P. P. Lottici, ***Weathering resistance of PMMA/SiO2/ZrO2 hybrid coatings for sandstone conservation*****,** Polymer degradation and Stability, 147, 274-283 (**2018**). https://doi.org/10.1016/j.polymdegradstab.2017.12.012. - SCOPUS: 2-s2.0-85038844794 - WOS:000424726100030. **2019 Impact Factor: 4.032**; **Scopus Citations 12; WOS 10.**

16. L. Bergamonti, C. Graiff, C. Isca, G. Predieri, P.P. Lottici, R. Di Maggio, S. Palanti, L. Maistrello, M. Montanari, ***Trattamenti sostenibili per la protezione e il consolidamento di legno e carta***, Chemistry & Green Chemistry, October **2017**. doi:10.17374/CI.2017.99.5.9.

17. L. Bergamonti, G. Predieri, Y. Paz, L. Fornasini, P.P. Lottici, F. Bondioli, ***Enhanced self-cleaning properties of N-doped TiO2 coating for Cultural Heritage,*** Microchemical Journal 133, 1-12 (**2017**). https://doi.org/10.1016/j.microc.2017.03.003 -WOS:000403121900001- SCOPUS: 2-s2.0-85014622586. **2019 Impact Factor: 3.594; Scopus Citations 33; WOS 30**.

18. F. Girardi, L. Bergamonti, C. Isca, G. Predieri, C. Graiff, P.P. Lottici, E. Cappelletto, N. Ataollahi, R. Di Maggio, ***Chemical–physical characterization of ancient paper with functionalized polyamidoamines (PAAs)***, Cellulose, 24, 1057–1068 (**2017**). https://doi.org/10.1007/s10570-016-1159-8 - SCOPUS: 2-s2.0-85006427969 - UGOV: 2815772 - WOS:000394145500044. **2019 Impact Factor: 4.210**; **Scopus Citations 5; WOS 4.**

19. L. Bergamonti, C. Graiff, M. Tegoni, G. Predieri, L. Bellot-Gurlet, P.P. Lottici, ***Raman and NMR kinetics study***

of the formation of amidoamines containing N-hydroxyethyl groups and investigations on their Cu(II) complexes in water, Spectrochimica Acta A 171, 515-524 (**2017**) – doi: 10.1016/j.saa.2016.07.041 - WOS:000385601300065 - SCOPUS: 2-s2.0-84984788498. **2019 Impact Factor: 3.232**; **Scopus Citations 7; WOS 6**.

20. L. Bergamonti, A. Berzolla, E. Chiappini, E. Feci, L. Maistrello, S. Palanti, G. Predieri, G. Vaccari, ***Polyamidoamines (PAAs) functionalized with siloxanes as wood preservatives against fungi and insects***, Holzforschung, 71, 65-75 (**2017**) https://doi.org/10.1515/hf-2016-0010 - SCOPUS:2-s2.0-85008657169 - WOS:000391191600009. **2019 Impact Factor: 1.826**; **Scopus Citations 9; WOS 9**

21. L. Bergamonti, F. Bondioli, I. Alfieri, A. Lorenzi, M. Mattarozzi, G. Predieri, P.P. Lottici, ***Photocatalytic self-cleaning TiO2 coatings on carbonatic stones***, Applied Physics A 122, 1-12 (**2016**) – doi: 10.1007/s00339-015-9560-y -SCOPUS:2-s2.0-84957577898 - WOS:000369972400079. **2019 Impact Factor 1.810**; **Scopus Citations 18; WOS 14**

22. C. Graiff, D. Pontiroli, L. Bergamonti, C. Cavallari, P.P. Lottici, G. Predieri, ***Structural Investigation of N-N'-Methylenebisacrylamide via X-ray Diffraction Assisted by Crystal Structure Prediction***, Journal of Applied Crystallography, 48, 550-557 (**2015**) – ISSN:0021-8898 - doi:10.1107/S1600576715004161– WOS:000352229100025 - SCOPUS:2-s2.0-84926393148. **2019 Impact factor: 2.995**; **Scopus Citations 5; WOS 4**

23. L. Bergamonti, I. Alfieri, A. Lorenzi, G. Predieri, G. Barone, G. Gemelli, P. Mazzoleni, S. Raneri, D. Bersani, P.P. Lottici, ***Nanocrystalline TiO2 coatings by sol-gel: photocatalytic activity on Pietra di Noto biocalcarenite***, J Sol-Gel Science & Technology 75, 141-151 (**2015**) – doi: 10.1007/s10971-015-3684-6 - WOS:000354961700016 – SCOPUS:2-s2.0-84929833999. **2015 Impact factor: 1.473**; **2018 Impact factor: 1.986**; **Scopus Citations 23; WOS 21**.

24. L. Bergamonti, I. Alfieri, A. Lorenzi, A. Montenero, G. Predieri, R. Di Maggio, F. Girardi, L. Lazzarini, P.P. Lottici, ***Characterization and photocatalytic activity of TiO2 by sol-gel in acid and basic environments***, J. Sol Gel Science & Technol 73, 91-102 (**2014**) – doi: 10.1007/s10971-014-3498-y – WOS:000348342300012 - SCOPUS:2-s2.0-84920759111. **2019 Impact factor: 2.008**; **Scopus Citations 19; WOS 15**

25. L. Bergamonti, I. Alfieri, M. Franzò, A. Lorenzi, A. Montenero, G. Predieri, M. Raganato, A. Calia, L. Lazzarini, D. Bersani, P.P. Lottici, ***Synthesis and characterization of nanocrystalline TiO2 with application as photoactive coating on stones***, Environmental Science & Pollution Research 21, 13264-13277 (**2014**) – doi:10.1007/s11356-013-2136-5 – WOS:000345280200015 – SCOPUS:2-s2.0-84911957575. **2019 Impact factor: 3.056**; **Scopus Citations 30; WOS 25**

26. L. Bergamonti, I. Alfieri, A. Lorenzi, A. Montenero, G. Predieri, G. Barone, P. Mazzoleni, S. Pasquale, P.P. Lottici, ***Nanocrystalline TiO2 by sol-gel: Characterisation and photocatalytic activity on Modica and Comiso stones***, Applied Surface Science 282, 165-173 (**2013**) – ISSN 0169-4332 – doi: 10.1016/j.apsusc.2013.05.95 – WOS:000322314800025 – SCOPUS:2-s2.0-84880954809. **2019 Impact factor: 6.182**; **Scopus Citations 38; WOS 39**

27. L. Bergamonti, D. Bersani, S. Mantovan, P.P. Lottici, ***Micro-Raman investigation of pigments and carbonate phases in corals and molluscan shells,*** Europ. Journal of Mineralogy 25, 845-853 (**2013**) – ISSN 0935-1221 – doi:10.1127/0935-1221/2013/0025-2318 – WOS:000329297400015 – SCOPUS:2-S2.0-84892503869. **2019 Impact factor: 1.665**; **Scopus Citations 16; WOS 17**

28. L. Bergamonti, D. Bersani, D. Csermely, P.P. Lottici, ***The nature of the pigments in corals and pearls: a contribution from Raman spectroscopy***, Spectrosc. Letters 44, 453-458 (**2011**) – doi: 10.1080/00387010.2011.610399 – WOS:000299995800002 – SCOPUS:2-s2.0-81255205430. **2019 Impact factor = 0.880**; **Scopus Citations 21; WOS 20**

Totale citazioni SCOPUS 289; Totale citazioni WOS 256

h index SCOPUS = 11; WOS = 10

PATENTS

1 2013 National patent deposited by Renner spa, MI2013A001149 "Composizione preservante legno", authors: Bergamonti Laura, Chiappini Elisabetta, Maestrello Lara, Palanti Sabrina, Giovanni Predieri.

2 2014 PCT/IB2014/062916 61W292812WO2, Renner Italia SPA, WOOD PRESERVATIVE COMPOSITIONS 07 July 2014 International Bureau of the World Intellectual Property Organization. Authors: Bergamonti Laura, Chiappini Elisabetta, Maestrello Lara, Palanti Sabrina, Giovanni Predieri

PERSONAL SKILLS

Mother tongue(s) ITALIAN

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
FRENCH	B1	B1	A2	A2	A1
Replace with language	A1	B1	A1	A1	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Job-related skills Good experience in the following Experimental Techniques: Raman Spectroscopy, Fourier Transform Infrared Spectroscopy (FTIR) , Ultraviolet–visible spectroscopy (UV/Vis), Scanning Electron Microscopy with X-ray microanalysis (SEM-EDX) and Environmental Scanning Electron Microscopy (ESEM), Transmission Electron Microscopy (TEM), X-ray diffraction (XRD), Differential scanning calorimetry (DSC), Mass spectrometry (MS), Nuclear magnetic resonance (NMR), Dynamic light scattering (DLS), Brunauer-Emmett-Teller (BET) Surface Area, Contact Angle. Good competence of the UNIEN rules in the Cultural Heritage and Construction Materials field.

Organisational / managerial skills Good organization skills (currently responsible for laboratory management for graduate, Master and PhD students) and ability to deal with laboratory problems.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	- INDEPENDENT USER	- INDEPENDENT USER	- INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Good competence with Microsoft Office and in graphics and experimental data processing programs (Origin, Omnic, Labspec, INCA, MestreNova, ChemDraw)

Other skills Good competences in the field of building materials: preparation of specimens (mortars and plaster), mechanical tests (determination of bending and compression strength of hardened mortar), control of the materials properties (density, correction time, workability, adhesion to the substrate, setting and hardening of mortar).

Driving licence B

ADDITIONAL INFORMATION

1. C. Graiff, L. Bergamonti, P.P. Lottici, L. Elviri, C. Bergonzi, R. Bettini, Design of 3D printed chitosan-TiO2 scaffolds for removal of amoxicillin from wastewater by photodegradation. CIS2019 - Chemistry Industry and Society, Salerno, 28-30 August 2019.
2. L. Bergamonti, C. Graiff, M. Potenza, A. Lorenzi, A.M, Sanangelantoni, L. Lazzarini, P.P. Lottici, Cellulose nanocrystals functionalized by silver nanoparticles for consolidation and preservation of paper. NN19 - Nanotexnology2019, Thessaloniki, 1-5 July 2019.

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3. L. Bergamonti, C. Graiff, L. Lazzarini, P.P. Lottici, Photodegradation of organic and inorganic wastewater pollutants by N-Se doped TiO2. NN19 - Nanotexnology2019, Thessaloniki, 1-5 July 2019
4. C. Graiff, L. Bergamonti, C. Bergonzi, L. Elviri, P.P. Lottici, R. Bettini, 3D printed chitosan-TiO2 scaffolds for the photocatalytic degradation of amoxicillin in wastewater. I3D19 - Nanotexnology2019, Thessaloniki, 1-5 July 2019.
5. G. Barone, L. Bergamonti, D. Bersani, L. Fornasini, C. Graiff, P.P. Lottici, P. Mazzoleni, S. Raneri. ***Durability of self-cleaning coating based on N-doped TiO2 on Perlatino limestone***. Technart 2019, Bruges, 7-10 May 2019.
6. G. Barone, D. Bersani, L. Bergamonti, C. Finocchiaro, M. Fugazzotto, C. Leonelli, P. Mazzoleni, A. Stroscio. ***Potential use of ghiara in alkali activation process for restoration works of Catania Cultural Heritage***. Technart 2019, Bruges, 7-10 May 2019.
7. L. Bergamonti, M. Cirlini, C. Graiff, P.P. Lottici, G. Palla, A. Casoli. ***Characterization of waxes in the Roman wall paintings in Herculaneum***. Technart 2019, Bruges, 7-10 May 2019.
8. L.Bergamonti, L. Lazzarini, P.P. Lottici, G. Predieri, C. Graiff. **Photodegradation by N-Se doped TiO2 of organic and inorganic wastewater pollutants**. XVII Congresso Nazionale Di Chimica Dell'ambiente E Dei Beni Culturali Genova, 24-27 giugno 2018.
9. E. Spina, L. Bergamonti, R. Di Maggio, C. Graiff, P.P. Lottici, G. Predieri, ***Inorganic-organic hybrid coatings based on amidoamine polymers for biocidal activity against Chlorella vulgaris and Scenedsmus acutus on Travertine stone,*** InART 2018 3rd International Conference on Innovation in Art Research and Technology, Parma, 26-29 March 2018.
10. Giulia Gennari, Danilo Bersani, Laura Fornasini, Laura Bergamonti, Pier Paolo Lottici, Mariapia Branchi, Lorena Tireni, Francesca Zanella ***Spettroscopia Raman in situ di pigmenti microbici per l'identificazione di biocolonizzazioni su opere d'arte.*** InART 2018 3rd International Conference on Innovation in Art Research and Technology, Parma, 26-29 March 2018.
11. V. Antonazzo, L. Bergamonti, M. Branchi, C. Isca, P.P. Lottici, M.C. Ossiprandi, G. Predieri, C. Reverberi, L. Tireni, F. Zanella, F. Bondioli. Polyamidoamines as preservatives of restoration adhesives for paper. InART 2018 3rd International Conference on Innovation in Art Research and Technology, Parma, 26-29 March 2018.
12. Giulia Gennari, Danilo Bersani, Laura Fornasini, Laura Bergamonti, Pier Paolo Lottici, Mariapia Branchi, Lorena Tireni, Francesca Zanella Spettroscopia Raman in situ di pigmenti microbici per l'identificazione di biocolonizzazioni su opere d'arte. InART 2018 3rd International Conference on Innovation in Art Research and Technology, Parma, 26-29 March 2018.
13. I. Alfieri, L. Bergamonti, F. Bondioli, C. Graiff, L. Fornasini, A. Lorenzi, P. P. Lottici, G. Predieri, ***Nanostructured coatings for the protection of carbonatic stones*****,** Eighth International Conference "Diagnosis For The Conservation And Valorization Of Cultural Heritage", Napoli 14-15 dicembre 2017.
14. L. Bergamonti, V. Antonazzo, M.P. Branchi, C. Isca, P.P. Lottici, G. Predieri, L. Tireni, F. Zanella, F. Bondioli, ***Biostatic effect of polyamidoamines on the biodegradation of adhesives for paper restoration,*** Green Conservation of Cultural Heritage, Palermo, 16-18 November 2017.
15. I. Alfieri, L. Bergamonti, F. Fernandez, A. Lorenzi, P.P. Lottici, M. Potenza, G. Predieri, L. Sambo, ***Green syntheses of silver nanoparticles with biocidal activity for Cultural Heritage applications,*** Green Conservation of Cultural Heritage, Palermo, 16-18 November 2017. Oral Presentation
16. G. Predieri, L. Bergamonti, C. Isca, C. Graiff, P. P. Lottici, ***Hybrid inorganic-organic systems based on PAA for conservative treatments of paper and wood,*** Green Conservation of Cultural Heritage, Palermo, 16-18 November 2017.
17. R. Basile, L. Bergamonti, F. Fernandez, C. Graiff, A. Haghighi, C. Isca, P. P. Lottici, B. Pizzo, G. Predieri, ***Synthesis and characterization of cellulose nanocrystals for ancient wood consolidation,*** Green Conservation of Cultural Heritage, Palermo, 16-18 November 2017.
18. I. Alfieri, L. Bergamonti, F. Bondioli, P.P. Lottici, A. Lorenzi, G. Predieri, ***TiO_2 self-cleaning basic sol coating for limestones,*** Green Conservation of Cultural Heritage, Palermo, 16-18 November 2017.
19. R. Basile, L. Bergamonti, C. Graiff, A. Haghighi, C. Isca, P. P. Lottici, B. Pizzo, G. Predieri, ***Preparazione e caratterizzazione di cellulosa nanocristallina come consolidante per legno degradato,*** 5° Workshop Nazionale del GI Green Chemistry-Chimica Sostenibile, SCI, 16 Giugno 2017, Roma.
20. G. Barone, L. Bergamonti, D. Bersani, L. Fornasini, U. Longobardo, P. Mazzoleni, S. Raneri, P. P. Lottici, ***Potentiality of Raman spectroscopy for pearls characterization and authentication,*** Technart 2017, Bilbao, Spain, 2-6 May 2017 – p. 371 - ISBN: 978-84-9082-614-0.

21. L. Fornasini, L. Bergamonti, G. Predieri, Y. Paz, P.P. Lottici, D. Bersani, F. Bondioli, ***Self-cleaning coatings by N-doped TiO_2 on limestones,*** Technart 2017, Bilbao, Spain, 2-6 May 2017 – p.161 - ISBN: 978-84-9082-614-0. Oral presentation

22. C. Isca, L. Bergamonti, C. Graiff, G. Predieri, P.P. Lottici, ***The use of polyamidoamines for the deacidification of iron-gall inked papers,*** Technart 2017, Bilbao, Spain, 2-6 May 2017 – p.205 - ISBN: 978-84-9082-614-0.

23. L. Bergamonti, F. Bondioli, G. Predieri, Y. Paz, L. Fornasini, P.P. Lottici, ***Photocatalytic self-cleaning coatings for limestones by N-doped TiO_2,*** 3th Technoheritage2017 International Congress 20-24 May 2017, Cádiz, Spain – p.110 - ISBN: 978-84-697-2732-4. Oral presentation

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SEMINAR ACTIVITY

1. Cicli di incontro seminariali presso per il Dipartimento DUSIC nelle date 28 Febbraio 2019 e 6 Marzo 2019, nell'ambito del Corso "Materiali e tecniche per lo studio e la conservazione dei Beni Culturali" tenuto dal Prof. Pier Paolo Lottici sui seguenti argomenti: I MATERIALI LAPIDEI: DEGRADO E CONSERVAZIONE - MATERIALI LIGNOCELLULOSICI DEGRADO E CONSERVAZIONE, in qualità di esperto nella materia oggetto del seminario.
2. Cicli di incontro seminariali per il Dipartimento DIA nelle date 26 Aprile 2018 e 5 Dicembre 2018 nell'ambito del Corso "Chimica 2" tenuto dalla Prof.ssa Chiara Massera, erogato nella Laurea Magistrale in Ingegneria per l'Ambiente e il Territorio. Titolo del seminario: "I NANOMATERIALI E LE LORO APPLICAZIONI", in qualità di esperto nella materia oggetto del seminario
3. Cicli di incontro seminariali dal titolo presso il Dipartimento di Ingegneria e Architettura nelle date 26/09/2018, 10/10/2018, 24/10/2018, 7/11/2018 nell'ambito del progetto PROGRTIEN1618_DIA "Attività

di supporto alla didattica nell'ambito delle azioni previste dalla programmazione triennale MIUR – PRO3" "RIPASSO DEI FONDAMENTI CHIMICI SUL LEGAME CHIMICO PER LA COMPRENSIONE DEI METODI DI INDAGINE PER LO STUDIO DEI MATERIALI" in qualità di esperto nella materia oggetto del seminario.

4. Cicli di incontro seminariali per il Dipartimento DIA in data 28 Aprile 2017 nell'ambito del Corso "Chimica 2" tenuto dalla Prof.ssa Chiara Massera, erogato nella Laurea Magistrale in Ingegneria per l'Ambiente e il Territorio. Titolo del seminario: "I NANOMATERIALI E LE LORO APPLICAZIONI", in qualità di esperto nella materia oggetto del seminario

OTHER

Co-founder of the inter-universitary spinoff company High Mat Innovation srl for the development and commercialization of innovative materials

Member of the Organizing Committee of InART, 3rd International Conference on Innovation in Art Research and Technology, Parma, 26-29 March 2018

Member of the organization and laboratory assistant: "PROGETTO LAUREE SCIENTIFICHE (PLS): gli studenti delle superiori sperimentano la chimica al Campus".

Member of the Organizing Committee of RAA2011, 6th International Congress on the Application of Raman Spectroscopy in Art and Archaeology, Parma, 5-8 September 2011

Contribution to the event "La Notte dei Ricercatori" in the educational workshop (years 2015-2020)

La sottoscritta con la presente dichiarazione autorizza il trattamento dei propri dati personali, ai sensi e per gli effetti del Decreto Legislativo 30.6.2003, n. 196.

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