



Emmanuele Cillo

● ESPERIENZA LAVORATIVA

03/09/2018 – 28/09/2018 Perugia, Italia

TECNICO CHIMICO CNR-ISTM

- cataloging and storage of reagents and solvents
- assistance to non-invasive spectroscopic analyses applied to cultural heritage (FTIR, micro-Raman, XRF)

● ISTRUZIONE E FORMAZIONE

15/09/2014 – 03/07/2019 Perugia, Italia

TECHNICAL INSTITUTE DIPLOMA IN THE TECHNOLOGICAL SECTOR, SPECIALIZATION IN CHEMISTRY, MATERIALS AND BIOTECHNOLOGY, ARTICULATION OF CHEMISTRY AND MATERIALS Istituto Tecnico Tecnologico Statale Alessandro Volta

- Distillation
- Use of analytical techniques: titrations, UV-vis absorption spectroscopy, atomic absorption spectroscopy, gas chromatography, recognition assays and synthesis of the main organic molecules

Sito Internet <https://www.avoltapg.edu.it/> | **Campo di studio** Chimica | **Voto finale** 80 su 100 | **Livello EQF** Livello 5 EQF

2019 – 23/09/2023 Perugia, Italia

CHEMISTRY DEGREE Università degli Studi di Perugia

- basics of general chemistry, physics, mathematics, physical chemistry, organic chemistry, inorganic chemistry and analytical chemistry
- use of spectroscopic techniques for the non-invasive analysis of cultural heritage: X-ray fluorescence spectroscopy (XRF), reflectance and UV-vis-NIR fluorescence spectroscopy, IR transmittance spectroscopy, vibrational Raman spectroscopy

Sito Internet <https://www.dccb.unipg.it/> | **Campo di studio** Chimica | **Voto finale** 97 su 110 | **Livello EQF** Livello 6 EQF |

Tipo di crediti CFU | **Numero di crediti** 180 |

Tesi Multi-technique characterization of modern phtalocyanine-based pigments for non-invasive diagnostics

28/02/2023 – 24/09/2024 Perugia, Italia

MASTER'S DEGREE IN CHEMICAL SCIENCE Università degli Studi di Perugia

- basics of investigations into complex systems, nanostructured systems, optoelectronic properties of materials, photochemistry, molecular spectroscopy (rotational, vibrational, electronic), femtochemistry, linear and non-linear optics, nanophotonics, 1D- and 2D-NMR, mass spectroscopy and Brillouin spectroscopy
- participation in the Erasmus+ Traineeship project at the Departamento de Conservação e Restauro, NOVA school of Science and Technology, Lisbon, Portugal, for the purpose of my thesis project, in the period between 02/04/2024 and 30/06/2024
- production of silk reproductions, mordanted and not, dyed with karyyasu and/or indigo;
- artificial accelerated photo-aging of silk reproductions, to simulate the photo-aging of a kimono;
- use of non-destructive analyses (colorimetry, reflectance spectroscopy, emission and excitation fluorescence spectroscopy, diffuse reflectance FTIR spectroscopy, micro-Raman spectroscopy and hyperspectral imaging in the visible emission and reflectance) and destructive analyses (SERS and HPLC-DAD spectroscopy);
- synthesis of silver nanoparticles for SERS analysis

Sito Internet <https://www.dccb.unipg.it/> | **Campo di studio** Chimica | **Voto finale** 108 su 110 | **Livello EQF** Livello 7 EQF |

Tipo di crediti CFU | **Numero di crediti** 120 |

Tesi Myriad Green Leaves of Furasawa: studying and understanding the photo-degradation of a precious 20th Century kimono

● **COMPETENZE LINGUISTICHE**

Lingua madre: **ITALIANO**

Altre lingue:

	COMPRESIONE		ESPRESSIONE ORALE		SCRITTURA
	Ascolto	Lettura	Produzione orale	Interazione orale	
INGLESE	B1	B2	B1	B2	B2

Livelli: A1 e A2: Livello elementare B1 e B2: Livello intermedio C1 e C2: Livello avanzato

● **COMPETENZE DIGITALI**

Gestione autonoma della posta e-mail | Gestione PDF | Utilizzo del browser | Google | Windows | Origin Pro
proficient at scientific data processing | Conoscenza base ENVI

● **PATENTE DI GUIDA**

Patente di guida: AM

Patente di guida: B

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".