

EUROPEAN  
CURRICULUM VITAE  
FORMAT

**1997 – 2002:** ***Diploma from Liceo Scientifico Luigi Cremona in Milan. Diploma in five years.***

**2003 - 2008:** ***Bachelors degree in Environmental Science and Technology at the University of Milano-Bicocca***

*Main fields of study:* Mathematical, Chemical and Biological Sciences

Bachelor thesis in experimental biochemical laboratory - Duration: 4 months.  
Title of Bachelor thesis: Biochemical Biomarkers associated with hypoxia in benthonic larvae of chironomids. Main activities: *spectrophotometric analysis of enzyme activities*

**2008-2009 academic year:** **Remedial exams in chemistry to obtain the credits necessary to enter the masters degree program of chemistry (MSc) at the University of Milan**

**2009 - 2012:** **Masters Degree in Chemical Sciences (score: 103/110).**

Thesis in the laboratory synthesis of organometallic materials - Duration: 17 months

Title of thesis: Rod-like Palladium-mesogenes with acetylacetonates: synthesis and properties. Main activities: *researching (synthetically) new organometallic liquid crystals and analyzing the properties of these with particular emphasis on the differences occurring at a center of chirality. Analysis using Nuclear Magnetic Resonance, Differential Scanning Calorimetry and microscopy*

**2011-2012:** **Master at the CNR of Milan: Management of biomass for energy production** (attended Friday afternoons and all day on Saturdays, when free from thesis lab work).  
Masters topics: biogas. (Other sub-topics: biodiesel and bioethanol).

**September to December 2012**

Full-time Internship pertaining to masters in the synthesis of biodiesel from *Thlaspi Arvense* seeds. Main activities: *extraction and analysis of vegetable oils (gaschromatographic and colorimetric titration), chemical transformations of the oil by homogeneous and heterogeneous reactions.*

**January and February 2013:**

Assistant Research at the CNR, to finish the work on ***Thlaspi Arvense Oil: content and potential use for biodiesel production.*** (The work is to be published in the « *La rivista italiana delle sostanze grasse* » journal; Head of research : Nicoletta Ravasio, CNR). ***Presentation of the work at a conference***

**March to August 2013:**

Working in the laboratory for the quality-control of pharmaceuticals and nutraceuticals (NATUREX). Main activities: *LOD analysis, analysis of grain size, tap-density, gas chromatographic analysis to determine : alcohol grade, purity solvent recovery, and residual amounts of pesticides. PSL, UV and TLC analysis. I worked in compliance with the GMP rules*

**Genuary to the end of April 2014:**

Working as plant assistant (Oxon SpA)

**July to September 2014:**

Lab-technician for Flint Group. I performed analysis of coatings and inks.

**November 2014 to December 2017 :**

**Doctorate in Industrial Chemistry :** PhD student at the Ronzoni Institute. Industrial chemistry course of the University of Milan (Statale). Interest in biopolymers and concrete chemistry. Usually I use DLS, SEM, TGA, IR spectroscopy. Author of an european patent : Composition based on calcium carbonate for use as a cement

**May 2018 to now :**

Lab technician for Aithon Ricerche International, an Italian Company which produces intumescent coatings. I perform analytical tests and ReD studies.

**Additional Skills and Interests:**

- ✓ Good PC knowledge (office suite, and scientific programs such as sigma plot, PRO II, chem sketch)
- ✓ HACCP certificate
- ✓ Good English (Ielts Cambridge certificate : B2) ; basic knowledge of German (from the primary school)
- ✓ B license, own car
- ✓ Willing to travel domestically and abroad.
- ✓ Main interests: ranging from synthesis and study of organometallic compounds (synthesis facilitated by an excellent capacity for the interpretation of various NMR experiments) to sampling and analysis of environmental samples, and to study of environmentally sustainable processes.
- ✓ Other interests : theatre, reading, footboal
- ✓ Character: quiet and cooperative, derived from having played in a football team as a youth to the achievement of my bachelors degree.

*I authorise the use of my personal data in compliance with Legislative Decree 196/03.*

05/08/2018