Personal data

Full name:	Chiara Massera
Date / Place of birth:	March 29th 1973 / Milano, Italy
Nationality:	Italian
Marital status:	Married, 1 daughter
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Professional Experience

Researcher and Lecturer – University of Parma, Italy ***1999-Present***

Department of Chemistry

- Associate Professor specialised in the analysis of supramolecular complexes and coordination compounds with the aim of studying molecular recognition phenomena and elucidating structure-function correlations and topology through single crystal X-ray diffraction techniques and computational methods.
- Co-author of 114 scientific papers published in international peer-reviewed journals and of a European Patent. *h*-index: 27 (source: Scopus).
- http://orcid.org/0000-0003-0230-1707
- Lecturer for the Engineering Departments of the same University

Education and Training

Ph.D. in Chemistry, University of Parma, Italy ***1997-2001***

Dept. of Chemistry, Prof. Dr. A. Tiripicchio

Title: "Synthesis and structural characterisation of transition metal selenido-carbonyl clusters"

M. Sc. (cum laude) in Inorganic Chemistry, University of Parma, Italy ***1992-1997***

Dept. of Chemistry, Prof. Dr. A. Tiripicchio

Title: "Cluster e colloidi. Sintesi di derivati metallici fosfino-selenurici mono- e polinucleari e produzione di nanoparticelle di oro incapsulate in matrici sol-gel."

Additional experiences

Visiting scientist – University of Marburg, Germany ***October 2002-March 2003***

Department of Chemistry – Prof. Dr. Frenking

- Research visit financed by a scholarship of the German academic exchange organization DAAD (Deutscher Akademische Austausch Dienst, http://www.daad.de/de/index.html) aimed at acquiring initial experience in the field of computational chemistry

  Project: DFT (Density Functional Theory) analysis of the chemical bond in metal complexes of palladium, platinum, and nickel with ethene and ethyne. Study of metal-ligand bonding in complexes using the energy-partitioning analysis (EPA) of the ADF software package, based on the EDA method of Morokuma *et al*. and the ETS partitioning scheme of Ziegler *et al.*

Scientific Stage (8 months), Université L. Pasteur, Strasbourg, France ***Sept. –Dec. 1997***

Coordination Chemistry Laboratory, Prof. Dr. P. Braunstein ***Mar.-Jun. 1999***

Subject: "Synthesis of new transition-metal selenido clusters"

Other

- Prize for the best Ph.D thesis in Inorganic Chemistry of the Italian Chemistry Society in 2001.
- Referee for several international journals (CrystEngComm, ICA, Inorg. Chem., RSC Advances, Dalton Transactions, Chemm Commun ., etc.)
- Promoter and vice-chair of GIG3, General Interest Group on Education in Crystallography within ECA (http://ecanews.org/mwp/groups/gig-03-education-in-crystallography/)
- Member of the teaching commission of AIC for the years 2015-2017 and 2018-2020
- Editor for Acta Crystallographica Section E.
- Member of INSTM (Consorzio Interuniversitario Nazionale per la Scienza e la Tecnologia dei Materiali), a consortium for Material Science and Technology
- Professional translation of scientific patents from English to Italian in the years 2005-2006.
- Translation of chapters 24/25 and Appendices of the book "Brown/Lemay – Chemistry 10th Ed", ed. EdiSES from English to Italian

Language skills: Italian (native), English (fluent), French (good), German (good)

National and international conferences and crystallography schools

- 6th FIGIPS meeting in Inorganic Chemistry, Barcellona, Spain 15-20 July 2001. Reactivity of [HMCo3(CO)12] (M = Fe or Ru) towards phosphine selenides. Synthesis and crystal structures of new selenido-carbonyl bimetallic clusters".
- XL Congress of the Italian Crystallography Association (AIC), Siena, 19-22 September 2011. Keynote "Diagnostic with cavitands"
- Workshop "Past, Present and Future of Crystallography@Politecnico di Milano", Milan, 6-7 June 2013. Keynote entitled "Crystallography and Supramolecular Sensing"
- ECM28 (28th European Crystallographic Meeting), Warwick, UK, 25-29 August 2013. Keynote "Solid state molecular recognition for supramolecular sensing"
- ECM29 (29th European Crystallographic Meeting), Rovinj, Croatia, 23-28 August 2015. Keynote "Tailoring host-guest interactions for sensing with cavitands"
- Member of the organizing committee of the International AIC School 2015 (Bologna, 5-8 September)
- ECM30 (30th European Crystallographic Meeting), Basel, Switzerland, 28 August-1 September 2016. Chair of MS 34 "Molecular recognition, supramolecular chemistry and crystal engineering"
- Promoter of the International AIC School 2016 (Rimini, 7-11 September)
- Promoter of the International AIC School 2017 (Pavia, 3-6 September)
- 3rd Joint AIC-SILS Conference, Roma, 25-28 June 2018. Chair of MS2 "Inorganic & Organic Functional Materials".
- Member of the scientific committee of ECM31 (31 European Crystallography Meeting, Oviedo, Spain , 22-27 August 2018) and chair of MS47: "How to take your next steps in Crystallography"
- ECM31: Keynote for MS48 "Education in Crystallography" and for MS32 "Molecular Recognition and Crystal Engineering"
- Promoter of the International AIC School 2018 (Bari, 29 August – 2 September)