

Personal data

Born in Erba (CO, Italy) the 05/08/1984

Marital status: married, two children

Actual Position: *Assistant Professor, RTD-B*
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Professional Experiences

Nov. 2017-	Assistant Professor, RTD-B (D.L. 240/2010) University of Milan (IT) Department of Chemistry	<i>In situ</i> and <i>in operando</i> X-ray diffraction techniques on porous materials. Structural investigation of polymorphic forms of APIs and small organic molecules by powder XRD.
Oct. 2012- Sept. 2017	Assistant Professor, RTD-A (D.L. 240/2010) University of Milan (IT) Department of Chemistry	X-ray powder and single crystal diffraction techniques applied to new porous materials (MOFs) for advanced applications (even in <i>non-ambient</i> conditions). Structural investigation of polymorphic forms of APIs and small organic molecules.
30/06/2017 – 30/08/2017	Visiting Professor University of California, Berkeley (USA) Hosting Group: Prof. J.R. Long and CGS (Center for Gas Separation) http://www.cchem.berkeley.edu/co2efrc/	In-situ gas loading on metal-organic frameworks for structural elucidation by X-ray powder diffraction experiments.
2011-2012	Post-Doc Fellowship University of Insubria (IT) Supervisor: Prof. Norberto Masciocchi	Challenges in Organo-Metallic Investigation by X-rays (COMIX).
Sept. 2009- Aug. 2010	Visiting Ph.D. Student University of Berkeley (CA, USA) Supervisor: Prof. Jeffrey R. Long	Synthesis, Characterization and Applications of Highly Stable Trispyrazolate-MOFs with open metal sites.
Jan–Apr 2009 and Apr–Mar 2011	Visiting Ph.D. Student University of Granada (Spain) Supervisor: Prof. Jorge A. R. Navarro	Investigation of the gas-separation performances of isorecticular series of pyrazolate-based MOFs by advanced gas-separation techniques.
2005	ERASMUS Student Université de Science et Technologie du Languedoc (Mtp II) Montpellier (FR)	Second-year bachelor student in Chemical Sciences.

Education		
2009-2012	Ph.D. in Chemical Sciences University of Insubria (Como, IT) Supervisor: Dot. Angelo Maspero	Thesis: "Synthesis, Characterization and Applications of Highly Stable Pyrazolate-based MOFs"
2006-2008	Master Degree in Chemical Sciences University of Insubria (Como, IT)	Graduation mark: 110/110 <i>cum laude</i>
2003-2006	Bachelor Degree in Chemical Sciences University of Insubria (Como, IT)	Graduation mark: 110/110 <i>cum laude</i>
1998-2003	State high school diploma Industrial Technical Institute "Setificio", P. Carcano (Como, IT)	Graduation mark 100/100

National qualifications for professorship

Italy (2018): Associate Professor of Inorganic and General Chemistry (Section 03/B1)

Italy (2018): Associate Professor of Material Science (Section 03/B2)

Languages

Italian (mother tongue), English (fluent), Spanish (fluent), French (good)

Awards

- **Progetto Professionalità Ivano Becchi** 2016/2017 Award for a *visiting professorship* at the University of Berkeley, CA, at the Center for Gas Separation (CGS) directed by Prof. J.R. Long. Total budget 10.000 euro.
- **Post-doc fellowship**, 2 years contract awarded by Lombardy Region (start Sept. 2012) for the project "COMIX: Challenges in Organo-Metallic Investigation by X-rays".
- **PhD Fellowship** assigned by MIUR (2009-2012).
- **Free attendance fellowship** at 7th International School of Organometallic Chemistry, Camerino, Italy, September 5-9, 2009.
- **Educational Career awards:**
 - ACIMIT 2003 Award for the research titled: "Fabric inkjet printing; the advantages and disadvantages of a new advanced technology" (800 euros).
 - 2° place in the National Chemistry Competition, Italian Ministry of Education, L'Aquila 2002 (516 euros).
 - 3° place in the National Competition for Mathematical, Linguistic and Logic Games; Gioiamathesis, Polytechnic of Bari, 2003.
- **Recognitions on Scientific Publications:**
 - The paper "High thermal and chemical stability in pyrazolate bridged metal-organic frameworks with exposed metal site" V. Colombo et al. *Chem. Sci.* 2011, *has been highlighted in the journal "Chemistry World" with the article "Hardy MOFs endure extreme conditions" the 03 May 2011*
 - The paper "Spectroscopic and adsorptive studies of a thermally robust pyrazolato-based PCP" L. Mino, et al. *Dalton Trans* 2012, *has been published in the special issue "Coordination chemistry in the solid state" edited by Prof. R. E. Morris.*

Oral, poster communications at International Conferences and Invited Seminars

1. "Structural flexibility and host-guest interactions in porous metal-organic frameworks: structural Investigation by PXRD and in operando techniques". Incontro Università CNR e Industria, Dipartimento

di Chimica, Università Statale di Milano. 5 November 2018.

2. "Non-ambient crystallography over a interpenetrated MOF for CO₂ adsorption in humid conditions". Oral Communication at 2nd PoMoS meeting, 6-8 June, 2018.
3. "Highly Stable Metal-Organic Frameworks for the capture of harmful gases and VOCs. Structural Investigation by PXRD and in-operando techniques". **Invited seminar** by the **German Chemical Society**, University of Leipzig, 19 Oct. 2017.
4. "Under gas-pressure: non-ambient crystallography on highly stable pyrazolate-based MOFs". Oral Communication at EUROMAT2017 Conference; Thessaloniki, 17-22 September, 2017.
5. "Non-ambient crystallography over a interpenetrated metal-organic framework for CO₂ adsorption in humid conditions". Oral communication at International Symposium on Composites of Metal and Covalent Organic Frameworks; Granada, 12-15 September, 2017.
6. "Highly Stable Isoreticular Polypyrazolate-based MOFs". Oral Communication at MOF2012 Conference; Edinburgh, United Kingdom, September 16-20, 2012.
7. "Synthesis, Characterization and Applications of Highly Stable Pyrazolate-Based Metal-Organic Frameworks". Oral Communication at 5th Euchems Conference on Nitrogen Ligands; Granada, Spain, September 4-8, 2011.
8. "Adsorption and Separation of Harmful Organic Vapors by Flexible Hydrophobic bis-Pyrazolate Based MOFs". Oral Communication and Poster at 7th International School of Organometallic Chemistry, Camerino, Italy, September 5-9, 2009.
9. "Synthesis, Characterization and XRPD Studies of Metal-Organic Frameworks Containing 1,4 Bis(4-pyrazolyl) and 1,4 Bis(5-tetrazolyl)benzene Ligands" Oral Communication at I International Workshop on New Hybrid Metal-Organic Materials. Camerino, Italy, January 16 – 18, 2009
10. "Ligand-driven nuclearity: the unusual case of luminescent Cu(I) and Ag(I) polynuclear systems with 3,5-dimethyl-4-sulfonate pyrazolates" S. Brenna, G.A. Ardizzoia, V. Colombo. 6th EuCheMS Conference on Nitrogen Ligands, At Beaune (France), Sept. 2016.
11. "Metal-Organic Frameworks (MOFs)-Graphene Composites: Growth and Characterization of HKUST-1 on functionalized graphene layers for gas storage applications" M. Victoria-Rodriguez, F. Rimoldi, V. Colombo, A. Sironi, L. Carlucci, GRAPHITA 2015, 14-18 September 2015, Bologna Italy.
12. "Elucidation of the structure of the century old Ponzio and Gastaldi (P&G) compound", V. Colombo, B. Tasso, G. Pirisino, F. Novelli, D. Garzon, R. Fruttero, F. Sparatore, A. Sironi, "2nd Joint AIC-SILS conference", Florence, September 15th-18th 2014;
13. "Crystal size effects on the nitrogen and methane adsorption ability of HKUST-1", M. Victoria-Rodriguez, A. Silvestre-Albero, L. Carlucci, V. Colombo, A. Sironi, F. Rodriguez-Reinoso, J. Silvestre-Albero, "10th International Symposium on the Characterization of Porous Solids (COPS-X)", Granada (Spain), May 11st-14th, 2014;
14. "Tunable fcu-MOFs for enhanced CO₂ capture and selective separation of gases", E. Lopez-Maya, C. Montoro, V. Colombo, M. Henares, E. Barea, J. A. R. Navarro, "10th International Symposium on the Characterization of Porous Solids (COPS-X)", Granada (Spain), May 11st-14th, 2014;
15. "Ag₄(NHC)₄(NO₃)₄: a tetrameric silver (I) complex with bridging N-heterocyclic carbene ligands", R. Della Pergola; M. Bruschi; A. Siorni, V. Colombo, A. Sironi, "Congresso del Gruppo Interdivisionale di Chimica Organometallica (Co.G.I.C.O.) della Società Chimica Italiana", Milano, June 24th-27th 2014.
16. "Gas adsorption study on HKUST-1 of different particle size", M. Victoria-Rodríguez, A. Silvestre-Albero, L. Carlucci, V. Colombo, A. Sironi, F. Rodríguez-Reinoso, J. Silvestre-Albero, "2nd Joint AIC-SILS conference", Florence, September 15th-18th 2014;
17. "A complete spectroscopic and adsorptive study of a thermally robust pyrazolato-based PCP containing cubic octanuclear Ni(II) clusters", L. Mino, S. Bordiga, J. G. Vitillo, E. Gallo, P. Glatzel, C. Lamberti, V.

Colombo, A. Maspero, S. Galli, "XX Italian Synchrotron Radiation Society (SILS) National Meeting", Cosenza, Italy, July 18th-20th, 2012;

18. "Adsorption and separation of harmful organic vapors by flexible hydrophobic bis-pyrazolate based MOFs", V. Colombo, S. Galli, N. Masciocchi, A. Maspero, G. Palmisano, J. A.R. Navarro, E. Barea, "7th International School of Organometallic Chemistry", Camerino, Italy, September 5th-9th, 2009.
19. Structures from Powders: 1,4-Benzene-di-Tetrazolate as a Bridging Ligand in Transition Metal Coordination Polymers. Poster at the 4th Euchems Conference on Nitrogen Ligands; Garmisch-Partenkirchen, Germany, August 24-28, 2008.

Publications

1. "Discovery of an Optimal Porous Crystalline Material for the Capture of Chemical Warfare Agents" Matito-Martos, I.; Moghadam, P. Z.; Li, A.; **Colombo, V.**; Navarro, J.A.R.; Calero, S.; Fairen-Jimenez, D. *Chemistry of Materials* **2018**, 30, 14, 4571-4579.
 2. "Electron Density Analysis of Metal Clusters with Semi-Interstitial Main Group Atoms. Chemical Bonding in [Co₆X(CO)₁₆]- Species" Racioppi, S.; Della Pergola, R.; **Colombo, V.**; Sironi, A.; Macchi, P. *The Journal of Physical Chemistry A* **2018**, 122 (22), 5004-5015.
 3. "Tailor-Made Microporous Metal–Organic Frameworks for the Full Separation of Propane from Propylene Through Selective Size Exclusion" Wang, H.; Dong, X.; **Colombo, V.**; Wang, Q.; Liu, Y.; Liu, W.; Wang, X.-L.; Huang, X.-Y.; Proserpio, D. M.; Sironi, A.; Han, Y.; Li, J. *Advanced Materials* **2018**, 1805088.
 4. "Sol-gel TiO₂ colloidal suspensions and nanostructured thin films: structural and biological assessments" Quartapelle Procopio, E.; **Colombo, V.**; Santo, N.; Sironi, A.; Lenardi, C.; Maggioni, D. *Nanotechnology*, **2018**, 29, 055704.
 5. "A Phosphorescent Copper(I) Coordination Polymer with Sodium 3,5-dimethyl-4-sulfonate pyrazolate" Ardizzoia, G.A.; Brenna, S.; Civati, F.; **Colombo, V.***; Sironi, A. *CrystEngComm*, **2017**, 19, 6020-6027.
 6. "Two–component organic crystals without hydrogen bonding: structure and intermolecular interaction in bimolecular stacking" **Colombo, V.**; Lo Presti L.; Gavezzotti, A. *CrystEngComm*, **2017**, 19, 2413.
 7. "Periodical trends in [Co₆E(CO)₁₆]⁻ clusters: structural, synthetic and energetic consequences implied by substitution of P with As" Della Pergola, R; Sironi, A.; **Colombo, V.**; Garlaschelli, L.; Racioppi, S.; Sironi, A.; Macchi, P. *J. Org. Chem.* **2017**, 849, 130-136.
 8. "Cu(II) mixed maltolate/pyrazolate (N/O) coordination polymer: a case study for complex *ab-initio* crystal structure determination from PXRD data" **Colombo, V.***; Cimino, A.; Maspero, A.; Palmisano, G.; Sironi, A. *Solid State Sciences* **2017**, 71, 22-28.
 9. "Facts and factors in the formation and stability of binary crystals" Gavezzotti, A.; **Colombo, V.**; Lo Presti, L. *Cry. Grow. Des.* **2016**, 16, 10, 6095-6104.
 10. "Synthesis, structural features and luminescence properties of a 1-D poly(azolato)-based coordination polymer" **Colombo, V.**; Maspero, A.; Nardo, L.; Aprea, A.; Linares, F.; Cimino, A.; Galli, S. *Polyhedron* **2015**, 92, 130–136.
 11. "Improved CO₂ Capture from Flue Gas by Basic Sites, Charge Gradients, and Missing Linker Defects on Nickel Face Cubic Centered MOFs" López-Maya, E.; Montoro, C.; **Colombo, V.**; Barea, E.; Navarro, J. A. R. *Adv. Funct. Mat.* **2014**, 24, 39, 6130-6135.
 12. "Crystal Chemistry of the Antibiotic Doripenem" **Colombo, V.**; Masciocchi, N.; Palmisano, G. *J. Pharm. Sci.* **2014**, 103, 3641-3647.
 13. "Probing Hydrogen Bond Networks in Half-Sandwich Ru(II) Building-Blocks by a Combined ¹H DQ CRAMPS Solid-State NMR, XRPD and DFT Approach." Chierotti, M. R.; Gobetto, R.; Nervi, C.; Bacchi, A.; Pelagatti, P.; **Colombo, V.**; Sironi, A. *Inorg. Chem.* **2014**, 53 (1), 139–146.
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14. "On the Self-Condensation of AminoguanidineL to 1,1,4,10,10-pentaamino-2,3,5,6,8,9-hexaazadeca-1,3,5,7,9-pentaene (Structure Elucidation Through X-ray Powder Diffraction)". Tasso, B.; Pirisino, G.; Novelli, F.; Garzon, D.; Fruttero, R.; Sparatore, F.; **Colombo, V.**; Sironi, A. *Tetrahedron* **2014**, 70 (43), 8056–8061.
 15. "N-heterocyclic Carbene Copper Complexes Tethered to Iron Carbido-carbonyl Clusters". Della Pergola, Sironi, A.; Rosehr, A.; **Colombo, V.**; Sironi, A. *Inorg. Chem. Commun.* **2014**, 49, 27-29.
 16. "Tetrameric Silver(I) Complex with Bridging N-Heterocyclic Carbene Ligands: [(iPrIm)Ag(NO₃)]₄". Della Pergola, R.; Bruschi, M.; Sironi, A.; **Colombo, V.**; Sironi, A. *Organometallics* **2014**, 33 (19), 5610–5613.
 17. "Highly Hydrophobic Isorecticular Porous Metal–Organic Frameworks for the Capture of Harmful Volatile Organic Compounds." Padiál, N. M.; Quartapelle Procopio, E.; Montoro, C.; Lopez, E.; Oltra, J. E.; **Colombo, V.**; Maspero, A.; Masciocchi, N.; Galli, S.; Senkovska, I.; Kaskel, S.; Barea, E.; Navarro, J. A. R. *Angew. Chem. Int. Ed.* **2013**, 125, 8448.
 18. "Stability vs. reactivity: understanding the adsorption properties of Ni₃(BTP)₂ by experimental and computational methods." Shearer, G. C.; **Colombo, V.**; Chavan, S.; Albanese, E.; Civalleri, B.; Maspero, A.; Bordiga, S. *Dalton Trans.* **2013**, 42, 6450.
 19. "Tuning the Adsorption Properties of Isorecticular Pyrazolate-Based Metal–Organic Frameworks through Ligand Modification" **Colombo, V.**; Montoro, C.; Maspero, A.; Palmisano, G.; Masciocchi, N.; Galli, S.; Barea, E.; Navarro, J. A. R. *J. Am. Chem. Soc.* **2012**, 134, 12830.
 20. "Spectroscopic and adsorptive studies of a thermally robust pyrazolato-based PCP" Mino, L.; **Colombo, V.**; Vitillo, J. G.; Lamberti, C.; Bordiga, S.; Gallo, E.; Glatzel, P.; Maspero, A.; Galli, S. *Dalton Trans* **2012**, 41, 4012. Published in the special issue "Coordination chemistry in the solid state" edited by Prof. R. E. Morris.
 21. "High Thermal and Chemical Stability in Pyrazolate Bridged Metal–Organic Frameworks with Exposed Metal Site" **Colombo, V.**; Galli, S.; Choi, H. J.; Han, G. D.; Maspero, A.; Palmisano, G.; Masciocchi, N.; Long, J. R.; *Chem. Sci.* **2011**, 2, 1311.
 22. "Cation-Exchange Porosity Tuning in Anionic Metal–Organic Frameworks for the Selective Separation of Gases and Vapors and for Catalysis" Quartapelle Procopio, E.; Linares, F.; Montoro, C.; **Colombo, V.**; Maspero, A.; Barea, E.; Navarro, J.A.R.; *Angew. Chem. Int. Ed.* **2010**, 49,7308.
 23. "Cubic Octanuclear Ni(II) Clusters in Highly Porous Polypyrazolyl-Based Materials" Masciocchi, N.; Galli, S.; **Colombo, V.**; Maspero, A.; Palmisano, G.; Seyyedi, B.; Lamberti, C.; Bordiga, S.; *J. Am. Chem. Soc.* **2010**, 132, 7902.
 24. "Adsorption and Separation of Harmful Organic Vapors by Flexible Hydrophobic bis-Pyrazolate Based MOFs" Galli, S.; Masciocchi, N.; **Colombo, V.**; Maspero, A.; Palmisano, G.; López-Garzón, F.J. ; Domingo-García, M.; Fernández-Morales, I.; Barea, E.; Navarro, J.A.R.; *Chemistry of Materials* **2010**, 22, 1664.
 25. "The chemistry of thiazolo[5,4-d]thiazole-2,5-dicarboxylic acid, C₆H₂N₂O₄S₂, and its coordination polymers" Apea, A.; **Colombo, V.**; Galli, S.; Masciocchi, N.; Maspero, A.; Palmisano, G.; *Solid State Science* **2010**, 12, 795.
 26. "Metalorganic Frameworks based on the 1,4-bis(4-tetrazolyl) benzene ligand: the Ag and Cu derivatives" Maspero, A.; Galli, S.; **Colombo, V.**; Peli, G.; Masciocchi, N.; Stagni, S.; Barea, E.; Navarro, J. A. R. *Inorg. Chim. ACTA* **2009**, 362, 4340. Special issue dedicated to Professor Swiatoslaw Trofimenko, edited by Prof. C. Pettinari
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Funding

1. PRIN 2017 – Progetti di Ricerca di Interesse Nazionale

Project: “Cutting-edge X-ray methods and models for the understanding of surface site reactivity in heterogeneous catalysts and sensors”

Funding institution: MIUR

Total funding: 631.390 €

Project partners: Prof. Carlo Lamberti (University of Torino – project coordinator); Prof. Paolo Ghigna (University of Pavia); Prof. Paola D’Angelo (University of Roma, La Sapienza); Dr. Piero Torelli (CNR, Institute of Materials IOM, Trieste).

Role: Coordinator of the Milan Unit

2. Piano di Sviluppo di Ateneo 2017 (Action C for the organization of scientific events)

Event: “International School on Advanced Porous Materials”, Como (IT), 19-21 June, 2019.

Funding institution: University of Milano, Italy.

Total funding: 2000 €

3. Piano di Sviluppo di Ateneo 2017 (Action A for young researchers)

Project: “Disclosing crystal structure and phase transitions in Active Pharmaceutical Ingredients through powder X-ray diffraction techniques”

Funding institution: University of Milano, Italy.

Total funding: 2200 €

Role: Principal Investigator

4. Lake Como School of Advanced Studies.

Funding for the organization of the international Summer School “International School on Advanced Porous Materials” Como, Italy, 19-21 June, 2019.

Total funding: 10.000 €

5. ERASMUS + 2018-2019 (Student Mobility for Traineeships)

Program ERASMUS+ for a co-tutoring master thesis (Dr. Colombo – Prof. J. A.R. Navarro). Student: Simona Sorbara. Funded with 4 months stay in Granada with covered expenses.

6. ERASMUS + 2017-2018 (Student Mobility for Traineeships)

Program ERASMUS+ for a co-tutoring post-laurea project (Dr. Colombo – Prof. J. A.R. Navarro). Student: Dr. Nicolò Moraschini. Funded with 5 months stay in Granada with covered expenses.

7. ERASMUS + 2016-2017 (Student Mobility for Traineeships)

Program ERASMUS+ for a co-tutoring master thesis (Dr. Colombo – Prof. J. A.R. Navarro). Student: Stephanie Terruzzi. Funded with 6 months stay in Granada with covered expenses.

8. Piano di Sviluppo di Ateneo 2017 (Action B for interdisciplinary projects)

Project: “Advanced Metal-organic Frameworks for Selective Adsorption Properties”

Funding institution: University of Milano, Italy.

Total funding: 10.000 €

Role: Principal Investigator

9. Proposal CH-4793, European Synchrotron Radiation Facility (ESRF), ID22 Beamline

Project: “Structural flexibility in isorecticular pyrazolate-based Metal Organic Frameworks (MOFs): *in-situ* exploration of structural evolution during gas-adsorption experiments”

Role: Principal Investigator

Participants: Prof. A. Sironi, Università degli Studi di Milano and Dr. C. Giacobbe, ESRF.

Funded for 15 shifts (5-days) of beamtime at ID22.

10. Piano di Sviluppo di Ateneo 2014 (Linea B1 for young researchers)

Project: “MOFiosos: Inducing Host-Guest Interactions in Highly Stable Adaptable Metal-Organic Frameworks”

Funding institution: University of Milano, Italy.

Total funding: 6.800 €

Role: Principal Investigator

11. **CONCERT_En-046. CONCERT-Japan Joint Call 2012 (7th FP European Union).** Efficient Energy Storage and Distribution. Resilience against Disasters.

Project: “Nanoradiator-Equipped Adsorbents for Safe and Energy Saving Methane Storage”. **Project Coordinators:** Prof. K.Kaneko, Shinshu University, Nagano (Japan); Prof. L.Carlucci (European Coordinator).

Project partners: Prof. A. Sironi, Dr. V. Colombo, University of Milano (Italy); Prof. K. Laszlo, Budapest University of Technology and Economics (Hungary); Prof. A. Fuchs, Department of Chemistry, Université Pierre et Marie Curie, Paris (France); F. Rodriguez-Reinoso, Alicante University, (Spain)

Total Funding: 314.750 € for 24 months.

Role: Participant

Teaching

2013-Present **Solid State Chemistry** (UNIMI, teaching for 4th year Chemical Sciences Students)
Analytical Chemistry II/Analytical Chemistry II Laboratory (UNIMI, co-teaching)

Lecturer for the PhD course Industrial Chemistry (University of Milan): “**Advanced Synthetic and Characterization Techniques for Porous Materials**” (2 cfu)

2012-2013 **Coordination Chemistry and Laboratory** (UNIMI, co-teaching)
Analytical Chemistry II/Analytical Chemistry II Laboratory (UNIMI, co-teaching)

2010-2012 **General Chemistry Laboratory** (co-teaching), University of Insubria (Como, IT)

Supervisor of 1 Ph.D., 2 bachelor and 4 master thesis and day to day supervisor of several Ph.D. students and undergraduate students over the years.

Scientific Events

- 1- **Director** of the Lake Como School of Advanced Studies titled “*First International School on Advanced Porous Materials*”. To be held in Como (IT), 19th-21st June, 2019. Web-site: <http://mofs.lakecomoschool.org/>
- 2- Member of the Organizing Committee of the Insubria Summer School 2012, “Crystallography for health and biosciences” held in Como (Italy), June, 18th - 23rd, 2012. Web-site: <http://scienze-como.uninsubria.it/iiss2012/IISS2012.htm>.

Other Activities

Peer reviewer for *JACS*, *Chemical Science*, *Journal of Materials Chemistry*, *Journal of Pharmaceutical Sciences*, *Energy&Environmental Science*, *Chemical Society Reviews*, *RSCAdvances*, *Journal of Materials Chemistry*, *CrystEngComm*, *Chemistry Europ. Journal*, *Inorganica Chimica ACTA*; *Thermochimica ACTA*.

- Member of the **Orienteering Commission of the University of Milan** for the “National Program Scientific Degrees” of the Italian Ministry of Education.
- Organizer of the “**Chemistry Seminars**” for young students from high schools for the Department of Chemistry of the University of Milan, Italy.

Member of the **AIC, Associazione Italiana di Cristallografia**, the Italian association of crystallography.

Member of the **SCI, Società Chimica Italiana**, the Italian association of chemistry.

Member of the **INSTM, Consorzio Interuniversitario Nazionale per la Scienza e Tecnologia dei Materiali**, the Italian Consortium of Materials Science and Technology.