



Curriculum Vitae Claudio Pettinari

[REDACTED]

Actual position

- **Full Professor** of General and Inorganic Chemistry (**School of Pharmacy**), University of Camerino (MC).
- **ICCOM CNR** associate (**1st october 2019-....**)
- **INSTM** associate (**1 may 2017-....**)

Responsibilities held at University of Camerino

- 1) **Rector** of University of Camerino from 1 Nov 2017, to 31 Oct 2023
- 2) **ProRector** for Research Nov 2017, to 31 Oct 2023
- 3) **Vice-Rector** of University of Camerino from Nov 2011 to Oct 2017.
- 4) **Rector Delegate (International Relations)** from Nov 2011 to Oct, 2017.
- 5) **Rector Delegate for the coordination of Internationalization Activities** from Dec, 2005 to Nov, 2007
- 6) **Rector Referent for Internationalization of the University of Camerino from Jan 2008 to Nov 2011.**
- 7) **Responsible for the course in Pharmacy (Cl. 14S)** From Oct 1st, 2002 to Oct 31st, 2004 and from Nov 2009 to Nov 2011.
- 8) **Responsible for the course “Scientific Information on Drugs” (Cl. 24)** from Nov 1st, 2004 to Oct 31st, 2008.

Actual Responsibilities at different Institutions and Qualification

- 1) CRUI delegate for PhD policies.
- 2) Italian Chemical Society Vicepresident.
- 3) CRUI Representative Member in the EUA working group “Research and Innovation Steering Group” (RISG)
- 4) Member of the Administration Committee of ALMA LAUREA from Jan, 1st 2020.
- 5) Member of the IUPAC CNR Italian Committee.
- 6) Member of the APRE experts committee for mid-term policies.
- 7) Member of the Advisory Board of Centro de Quimica Estrutural de Lisboa (Instituto Superior Tecnico, Univ. de Lisboa).
- 8) CRUI Representative in UNISPORT

- 9) Member of the Chemistry Department Scientific Committee of CNR from 2019.
- 10) Member of the Administration Committee of Sferisterio Macerata Association.
- 11) Director of the International School of Organometallic Chemistry (ISOC series) in 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023 (<http://d7.unicam.it/isoc/home>).
- 12) Member of the Scientific Committee for the Cecco D'Ascoli prize.
- 13) Member of the scientific committee of INSTM.
- 14) Member of the Accademia Georgica di Treia
- 15) Responsible of the CNR interdepartmental Unit at Camerino University.
- 16) Secretary of the EUCHEM Conference N-donor ligand in Catalysis, Organometallic and Coordination Chemistry.
- 17) Member of Academy of Science of Lisboa.
- 18) Member of Academy of Science of Bologna.
- 19) Member of the scientific committee of Sorella Natura Foundation.
- 20) Member of the Scientific committee of CERIF (Research Centre for Cultural Heritage in Farnesina)
- 21) Member of the Scientific committee of SIDRI (Italian Society for PhD)

Other Responsibilities in the past

- 1) Elected member of the CRUI council and CRUI delegate for research and third mission from Jan 2021 to Nov 2023.
- 2) President of the consortium REDI (Reducing risks of natural Disasters) from april 2018 to Nov 2023.
- 3) Member of the Advisory Board for CNR-Departments evaluation (Chemistry Panel, 2014-2015)
- 4) Member of the Administration committee of the National Cluster Made IN ITALY (MINIT) from sept 2017 to sept 2021.
- 5) Member of the Italian Mission (Technological Transfer TRIP) to Denver, Cleveland and Pittsburgh Universities and research centres (Nov 2009).
- 6) Member of CIPISF (Italian Conference of the Presidents of courses: Scientific Information on Drugs) since Nov, 1st 2004.
- 7) CIPISF President (Italian Conference of the Presidents of courses: Scientific Information on Drugs) since June, 23rd 2007.
- 8) Member of the council of G.I.C.O (Interdivisional Group of Organometallic Chemistry) from Jan 2004 to Dec 2009.
- 9) Member of the council of Inorganic Chemistry Division (DCI) from Jan 2009 to Dec 2015.
- 10) Member of the Administration committee of UNIFABRIANO from 2012 to 2015.
- 11) Member of the scientific committee of the consortium UNIADRION (consortium of Universities of Adriatic Sea)
- 12) Member of the administration committee of CERHER (Center of Resilience on Heritage)
- 13) Responsible for the Camerino CNR ICCOM unit from 2016 to 2021. (<http://www.iccom.cnr.it/index.php/it/istituto/sedi/camerino>).
- 14) Rector delegate for Marche SMART specialization strategy from 2012 to 2016.
- 15) Member of the Marchigiani nel Mondo Committee from 2010-2016.
- 16) Member of the International Cooperation Marche Region committee from 2010 to 2018.
- 17) Referent for CRUI for promotion of bike-mobility between Railway stations and Universities, a project coordinated by MIT.
- 18) CRUI Representative Member in the EUA working group " Research Policy Working Group" from Jan 1st 2021 to Dec 31st 2022 (RPWG).

Training, Formation and Qualification

1. **School-leaving certificate** (July 1983) Lyceum G. Varano of Camerino.
2. **Five-Years Degree in Chemistry "cum laude"**, obtained in February, 15th 1989 with marks **110/110** at the University of Camerino (MC) by discussing a thesis entitled Copper(I) adducts of poly(pyrazolyl)alkanes, supervisor: Prof. Flavio Bonati).
3. **School of NMR Spectroscopy** in Inorganic Chemistry at Santa Vittoria d'Alba (June-July 1990).
4. **Research contract** with the University of Camerino from **June 7th to November 30th, 1989.**

5. **Training period** at “Strutturistica Chimica” Institute CNR in Montelibretti Roma from June to July 1994 for learning of Advanced Techniques based on X-ray diffraction under the supervision of Dr. Francesco Caruso.
6. **Training periods at the Saragozza University (under the supervision of Prof. Luis Oro)** July-September 1999, July-September 2001, within the Framework of the Azione Integrata Project Camerino-Saragozza).
7. **Specialistic Course: Management Avanzato per le Università del III Millennio (Fondazione CRUI, MIP-Politecnico di Milano, Feb-May 2016)**

Visiting professor (ERASMUS and short periods for lectures and seminars)

- 1) Programma Socrates-Erasmus-Tempus, Università di **Galati-Romania** –M. Rodica Dinica, November 1999;
- 2) TS Socrates Erasmus, University of **Sevilla** - Ernesto Carmona-, may 2002);
- 3) TS Socrates-Erasmus, University of **Strasbourg** – Pierre Braunstein, June-July 2005;
- 4) TS Socrates-Erasmus, University di **Tolosa**, November 2007;
- 5) TS Socrates-Erasmus, Instituto Superior Tecnico, **Lisboa**, 2008;
- 6) Azione Integrata Project, University of **Sevilla**, April 2009;
- 7) ERASMUS, 2011, University of **Granada**;
- 8) University of Delaware and **South-Carolina** (2011).
- 9) TS Socrates-Erasmus, University of **Paris VI** – Giovanni Poli, May 2012;
- 10) TS Socrates-Erasmus, University of **Barcellona** – Patrick Gamez, May 2013;
- 11) TS Socrates-Erasmus, University of **Strasbourg** – Pierre Braunstein, June-July 2014;
- 12) TS Socrates –Erasmus, University of **Strasbourg** – Pierre Braunstein, June 2015;
- 13) TS Socrates – Erasmus, University of **Leiden** – Elisabeth Bouwman, March 2016.

Research Activity

Prizes

- **Winner of the Bonati Prize in 1998** for Young Researcher in Organometallic Chemistry (under 35 years)
- **Winner of the “Nasini” Medal in 2004** for the best researcher active in Inorganic Chemistry under 40 years (Both prizes are National offered by SCI; Claudio Pettinari is actually the only Italian researcher winner of both prizes.
- **Doctor Honoris Causa in Chemistry** issued by **University of Galati** in Sept 2012.
- **Camerte dell’Anno 2013** (prize granted by Camerino municipality).
- **Elected Member of the Academy of Science of Lisbon** from 2015.
- **Member of the Adademy of Science of Bologna** from 2023
- **Distinguished Fellow Award** of the Centro de Química Estrutural of Lisbon 2016.
- **Melvin Jones FRIEND 2018** (Lions honorificence)
- **Verdicchio D’oro 2018** (Comune di Staffolo, Accademia dei Georgofili)
- **Premio San Giacomo della Marca 2018** (prize granted by the Sarnano municipality)
- **Premio Accademia Marchigiani dell’Anno 2021**
- **Marchigiani dell’Anno 2021 (Picus del Ver Sacrum 2021)**
- **Memorial Sacconi Lecture 2023** (prize granted by Sacconi Foundation)

Research description

Claudio Pettinari is author and coauthor of **446 papers** (from Google Scholar h-index = **60**, citations = **15728**. From SCOPUS h-index = 54; citations = 13135, from Web of Science: h-index = 52, 12027 citations) in international peer-review journals (**432 documents** in SCOPUS, **415 reported in WEB of Science**, see attached list), including at least **26** high-level invited reviews, and more than **270 communications** to international and national congresses and workshops. He is inserted in the **Top Italian Scientist** list (132). He is also author of **4 books**, **4 national** and **3 international patents** and **10** original contributes on topics concerning University governance, Constitution, Traditions.

The research activity of Claudio Pettinari has been mainly carried out in the field of coordination chemistry of N-, O and S-donor heterocycles, and/or of ancillary ligands as phosphines and diphosphines toward main groups, transition and rare earth metals and in the field of organometallic chemistry of Sn, Rh, Ir, Pd and Ru. In the last period much attention has been also directed to the preparation of new polyfunctional materials and MOFs by using secondary building units derived from previously developed molecular species as trimeric triangular copper(pyrazolate) synthons. The coordinating behaviour of the following classes of ligands has been exhaustively investigated by Claudio Pettinari: **pyrazoles**, **triazoles**, **imidazoles**, **mercaptomidazoles**, **triorganophosphines**, **diphosphines**,

pyrazolones, bis(acyl)pyrazolones, poly(azolyl)metallates, poly(azolyl)alkanes, poly(azolyl)acetates, poly(azolyl)borates, oxazolines, chiral sulfoxides and imines, phenanthroline and pyridine derivatives. For these reasons, he is actually considered as one of the most experts at international level in the field of N-donor heterocyclic and β -diketonate ligands, and after Trofimenko dead, Claudio Pettinari is considered as a reference point for the **scorpionate ligands chemistry**. He also has developed a number of homo- and hetero-scorpionate molecules, useful ligands for the stabilization of metals in unusual oxidation state, or able to give unexpected coordination numbers, sometimes defined as "innocent ligands" suitable to block the metal coordinations sites, allowing the interaction of the metal center, toward fixed orientations, with small molecules relevant from the biological and industrial point of view.

Claudio Pettinari also has designed and synthesised new **β -diketones** able to induce higher stability and volatility to their metal complexes. Some of the species synthesised have been investigated jointly with Padova CNR researchers for their thermoelectric and luminescence properties.

Claudio Pettinari is also considered as one of the most experts in the field of tin(IV) and organotin(IV) derivatives and of their possible uses and applications. He has reported relevant studies on their solution behavior and solid-state structures as also on their uses as biological models in bioinorganic and bio-organometallic chemistry.

Thanks to the cooperation with Istituto Nazionale Tumori (Milan) he developed a number of metal complexes based on gold, silver and copper as acceptors and triorganophosphines as ligands, or based on titanium and ruthenium as acceptors and heterocyclic pyrazolones as ligands. These species possess biological activity coupled with water-solubility and **three** patents on these subjects have been deposited.

In the last four years the interest of Claudio Pettinari has moved to new frontiers and emerging research fields as those represented by **MOFs** (Metal-Organic Frameworks) and **PCPs** (porous coordination polymers). MOFs or PCPs are a class of crystalline microporous hybrid solids built of inorganic units (isolated cations, clusters, chains, or layers) connected through polytopic linkers (e.g. polycarboxylate), defining pores of various shape and size. The potential applications of these hybrid solids lie in the area of gas storage and separation, catalysis, drug release, and so on. Compared to their purely inorganic counterparts (zeolites), the great variety offered by the organic chemistry allows the systematic modification of their chemical composition, of their pores surface and thus finally of their properties (very large surface area, sorption selectivity). In a number of papers Claudio Pettinari has reported simple strategy to build cyclic assemblies based on the combination of protected metal ions and symmetric bent polyazolate bridging ligands. The resulting assemblies possess cavities and surfaces able to give specific interactions with biorelevant species and sometimes also exhibit catalytic activities. Claudio Pettinari has been National Coordinator for a PRIN project devoted to this field.

More recently he also developed new precursors (based on Cu, Ru, Rh and Ir) able to catalyze in mild conditions the oxidation of alkanes to alkenes and alkynes, alcohols and aldehydes, in collaboration with the main European Research Groups active in the field, or palladium complexes able to catalyze olefin/CO polymerization processes. He is also actually involved in regional projects concerning advanced materials for furnitures and shoes, but also advanced composite materials.

In addition, he also worked on particular systems suitable to introduce radiopharmaceutical antitumor drugs and also on ligands suitable to coordinate ^{64}Cu and also on the synthesis of metal complex-based radiopharmaceuticals suitable for positron emission tomography (PET) and single photon emission computed tomography (SPECT) based on lanthanide complexes.

Financial Resources and Coordinated Projects

Claudio Pettinari is actually the scientific coordinator of a number of research and mobility projects. He also successfully concluded a more than 20 research projects. The most important are here reported in detail:

1. **Scientific Coordinator** of the european research project **"INTAS CALL 2000"** (INTAS-00-469): **New mono and heterometallic azolates as new materials and new material sources** (scientific cooperation between Universities of Camerino, Saragozza, Mosca e Novosibirsk-registrazione n. 326). Scientific Coordinator also of the Research Unit of Camerino.
2. **Scientific Coordinator** of a research project **MIUR of Scientific Cooperation** between Universities (COOPERLINK 2000) with Russian Federation (University of Camerino-University Lomonossov of Mosca) (a.a. 2000: **Synthesis and Spectroscopic Characterization of new Rh complexes containing N- and/or O-donor ligands as potential catalysts toward hydroformylation and hydrogenation reactions**).
3. **Scientific Coordinator** of a research project **MIUR of Scientific Cooperation** between Universities (COOPERLINK 2001) with Russian Federation (University of Camerino-University Lomonossov of Mosca) (a.a. 2001: **Synthesis and Spectroscopic Characterization of new Rh complexes containing N- and/or O-donor ligands as potential catalysts toward hydroformylation and hydrogenation reactions**).
4. **Scientific coordinator** of a research project funded by **Fondazione CARIMA** (Cassa di Risparmio della Provincia di Macerata) (2001): **Synthesis of new derivatives of TiO₂ as precursors in osteointegration of dental implants trough MOCVD technique**.
5. **National Coordinator and Scientific Coordinator for the project PRIN 06: Polyfunctional Metal-Organic Hybrid Materials based on Polyazotate Ligands** (2006038447)

6. **Scientific Coordinator for the project PRIN 2010:** BNZ3F2 project DESCARTES of the Italian Ministry of the University and Research.
7. **Scientific Coordinator** of a project of **Cooperation** between Universities (ASSCIR 06) with Russian Federation (University of Camerino-University Lomonossov of Mosca) (a.a. 2006: **Synthesis and Spectroscopic Characterization of new Rh complexes containing N- and/or O-donor ligands as potential catalysts toward hydroformylation and hydrogenation reactions**).
8. **Scientific coordinator of three projects financed by Dipharma Francis (2005-2007):**
 - a. **New metal catalysts of hydration reactions of double and triple bonds.**
 - b. **Original synthesis of pharmaceutically active compounds-I.**
 - c. **Original synthesis of pharmaceutically active compounds-II.**
9. **Scientific Coordinator** of a project of **Cooperation** between Universities (ASSCIR 07) with Russian Federation (University of Camerino-University Lomonossov of Mosca) (a.a. 2007: **Synthesis and Spectroscopic Characterization of new Rh complexes containing N- and/or O-donor ligands as potential catalysts toward hydroformylation and hydrogenation reactions**).
10. **Coordinator of 2 Projects Indian Young Researchers (MIUR 2007 and 2008):** Nanoscience and Nanotechnologies.
11. **Scientific Coordinator of an Azione Integrata Italia-Spagna project (2007):** **New polyfunctional porous metal-organic coordination polymers containing N-donor heterocyclic ligands and carboxylate counterions.**
12. **Scientific Coordinator of a MIUR project International Cooperation (MIUR-2007) (UNICAM, Univ- of Lomonosov and Galati):** **Advanced Qualification and training of young researchers in the Chemistry of Polyfunctional innovative materials and of New sources for Energy and Environment.**
13. **Scientific Coordinator** of a project of **Cooperation** between Universities (ASSCIR 08) with Russian Federation (University of Camerino-University Lomonossov of Mosca) (a.a. 2008: **Formation of young researchers in the field of synthesis of new gold coordination compounds as anticancer drugs and new coordination polymers**).
14. **Coordinator** of two projects **IP ERASMUS LLP (2008-2009) (ACAOC 2009 e 2010):** Advanced Catalysis and Organometallic Chemistry. Network formed by 9 University- Sevilla, Grenada, Lisbona, Wroclaw, Galati, Tolosa, Aberdeen, Ioannina, Camerino.
15. **Coordinator** of two projects **IP ERASMUS LLP (2011-2012) (EUCHEME 2012 e 2013):** European Chemists for Energy, Material and Environment. Network formed by 10 University- Sevilla, Grenada, Lisbona, Wroclaw, Galati, Tolosa, Aberdeen, Pau, Camerino, Frankfurt.
16. **Scientific Coordinator of the project "GIOVANI-TECNOLOGI" Regione Marche (2008):** Design and synthesis of a family of new thermoplastic polyurethane materials with new biodegradation and biocompatibility features coupled to conventional properties, for biomedical applications.
17. **Representative and Member for Italy in the management committee of the COST Action CM1302: European Network on Smart Inorganic Polymers (SIPs)**
18. **Scientific Coordinator of the project "POR MARCHE FESR 2007- 2013 - INTERVENTO 1.1.1.04.02 "PROMOZIONE DELLA RICERCA INDUSTRIALE E DELLO SVILUPPO SPERIMENTALE IN FILIERE TECNOLOGICO-PRODUTTIVE" Regione Marche (2012):** Development of new materials for New Generation Hood.
19. **Scientific Coordinator of the project "POR MARCHE FESR 2015 - INTERVENTO 1.1.1.04.02 "PROMOZIONE DELLA RICERCA INDUSTRIALE E DELLO SVILUPPO SPERIMENTALE IN FILIERE TECNOLOGICO-PRODUTTIVE" Regione Marche (2016):** GHEC Green Healty and Easy to clean Coffee-machine. Materiali/trattamenti/soluzioni progettuali-tecnologiche per innovativa coffee-machine professionale brass-less con caratteristiche uniche di salubrità tazzina, sostenibilità e autopulibilità.
20. **Scientific Coordinator for UNICAM of the ERASMUS KA2 project** Development of a joint study program between higher education and vocational education and training: International Master's Degree for the FUmITURE sector.
21. **Scientific Coordinator (Camerino unit) for the PRIN project 20154X9ATP_002 Towards a Sustainable Chemistry: Design of Innovative Metal-Ligand Systems for Catalysis and Energy Applications.**
22. **NQSTI (National quantum science technology Institute-PE4) researcher involved with activity in Spokes 2 and 9.**

In addition, Claudio Pettinari has participated to a number of project coordinated by other researchers. In detail:

- a) **Fondazione CARIMA project (1999):** Synthesis of New Sn, Pt, and Au derivatives with anticancer activity. Scientific Coordinator prof. Augusto Cingolani;

- b) Fondazione CARIMA project (2003): Synthesis of New Sn, Pt, and Au derivatives with anticancer activity. Scientific Coordinator prof. Augusto Cingolani;
- c) Fondazione CARIMA project (2005): Synthesis of New Sn, Pt, and Au derivatives with anticancer activity. Scientific Coordinator prof. Augusto Cingolani;
- d) Azione Integrata Italia-Spagna (Camerino-Saragozza, 1999-2000): Scientific coordinator prof. Augusto Cingolani.
- e) Project "Grande Rilevanza" MAE-MIUR: Biopatagonia (2008): Scientific coordinator prof Riccardo Ceccarelli (Casaccia, ENEA).
- f) PRIN 2000 (MM3027791_001): Selective synthesis of organic carbamate, carbonate and carboxylate derivatives through sequential activation of carbon dioxide and other substrates. Scientific coordinator. Prof. Michele Aresta.

Patents

1. PETTINARI C, CARUSO F., CINGOLANI A. (1999). Procedure for preparing polynuclear derivatives of Ti(IV) with 4-acyl-5-pyrazolonate ligands for antitumor application. IT 99RM0633, 50%
2. CARUSO F., PETTINARI C (2002). Preparation of gold compounds simultaneously coordinated by mono- and bidentate phosphines having antitumor activity. WO 2003008427, 50%
3. Italian Patent RM 2013A000382, deposited 28 06 2013, Title: Complessi Acilpirazolonici di Argento(I) incorporati in polietilene ad alta densità o in cloruro di polivinile con potente attività antibatterica.
4. Italian Patent MI2013A0001359, deposited 07 08 2013, Title: Complessi di Rutenio con attività Chemioterapica antitumorale.

Editorial Activity

Editor in chief of the section Organometallic Chemistry of Inorganics (MDPI)

http://www.mdpi.com/journal/inorganics/sectioneditors/organometallic_chem

- a) Editor of Inorganics (MDPI): (<https://www.mdpi.com/journal/inorganics/editors>)
- b) Member of the Editorial Board of **Organometallics** (ACS) from 2014 to 2016;
- c) Member of the Editorial Board of **Inorganica Chimica Acta** (Elsevier) from 2010 to 2018;
- d) Editor of **Bioinorganic Chemistry and Applications** (Hindawi) since 2008;
- e) Editor of **Advances in Materials Science and Engineering** (Hindawi) since 2016;
- f) Member of the Editorial Advisory Board of the **Open Inorganic Chemistry** journal since 2007;
- g) Member of the Editorial Advisory Board of **Materials** (MDPI) since 2016;
- h) Member of the editorial Review Board of the **Scientific Journal International** since 2007;
- i) Member of the Editorial Board of THE ANNALS OF THE "Dunarea de Jos" UNIVERSITY OF GALATI, Fascicle II, Mathematics, Physics, Chemistry, Informatics since 2008.
- i. <http://www.hindawi.com/58640537.html>
- ii. http://www.elsevier.com/wps/find/journaleditorialboard.cws_home/504086/editorialboard
- iii. http://www.scientificjournals.org/editorial_board.htm
- iv. <http://www.bentham.org/open/toicj/EBM.htm>
- v. <http://pubs.acs.org/userimages/ContentEditor/1233861392520/orgnd7-eab.pdf>

Guest editor of

1. a special issue of Journal Organometallic Chemistry dedicated to the "EuChem Conference on Nitrogen Ligands in Organometallic and Chemistry" held in Camerino.
2. a special issue of Journal Organometallic Chemistry entitled "Recent Advances in Organotin Chemistry".
3. a special issue of Inorganica Chimica Acta dedicated to prof. Trofimenko.
4. a special issue of J. Organometallic Chemistry dedicated to ISOC 2011: TAILORED ORGANOMETALLIC COMPLEXES WITH IMPROVED FUNCTIONS.
5. special issue of J. Organometallic Chemistry dedicated to ISOC 2013
6. a special issue of Eur. J. Inorg. Chem. Dedicated to Scorpionates 50 years later
7. a special issue of Eur. J. Inorg. Chem. Dedicated to ISOC 2019.

Invited Plenary Lectures or Key Notes (chemistry /teaching)

1. **Plenary Lecture at GICO 1998**
2. **Invited speaker at ACS National congress in New Orleans 2003**
3. **Plenary Nasini lecture in Rome (2004)**
4. **Invited Speaker (Plenary Lecture) at Athens 2005-FIGIPAS**
5. **Plenary Lecture at Milano 2007 (Italian Chemistry Division congress)**
6. **Plenary Memorial Lecture at Garmish 2008 (Nitrogen donor ligand international Meeting)**
7. **Plenary Lecture at Torino 2010 (workshop on MOF)**

8. Plenary Lecture at Organometallic School (Bertinoro, 2010)
9. Key-note Lecture at EUCOMC Toulouse 2011
10. Plenary Lecture at ICOMC Lisbon 2012.
11. Invited Speaker at XXXIV Reunion Bienal Real Sociedad de Quimica Espanola, Santander 2013.
12. Plenary Lecture at Bioinorganic Chemistry School (Pisa, November 2014)
13. Invited Lecture at the ISCHIA meeting of INSTM (Ischia, July 2017)
14. Lectio magistralis at the Summer School Sereni (Istituto Cervi): Paesaggio e Democrazia (Caldarola, september 2018)
15. Invited Lecture at the GEO Conference (Bari 2018)
16. Plenary Lecture at the AIMAT conferences (Ischia 2019)
17. Opening Plenary lecture at the National Congress of Chemists and Physics Order (Verona 2021)
18. Plenary Lecture at the national meeting of CNR Department (Roma 2021)
19. Plenary Lecture at the National Meeting of Inorganic Chemistry Division (Italy, Pisa 2022)
20. Invited Lecture at the GEO Conference (Bari 2023)
21. Lecture at the Sacconi Foundation (Firenze 2023)

International Missions (member of delegations)

- a) Lisbon 2007 (ERASMUS anniversary)
- b) Denver, Pittsburgh, Cleveland (US embassy Mission for Italian Universities-Technological Transfer Trip)
- c) Buenos Aires (Consortium of Italian Universities for Argentina, CUIA delegation 2010)
- d) Buenos Aires (CUIA delegation 2011)
- e) Buenos Aires (CUIA delegation 2012)
- f) Buenos Aires (CUIA delegation 2013)
- g) Buenos Aires (CUIA delegation 2015)
- h) Pechino and Jinan (Regione Marche delegation)
- i) Porto Alegre (luglio 2013-COSMOB-Regione Marche: Lecture at SEBRAE)
- j) Florianopolis, Santa Caterina, Joao Pessoa (novembre 2013 COSMOB-Regione Marche: Lecture at SEBRAE)
- k) Florianopolis (March 2014, regione MARCHE-COSMOB)
- l) Brasilia (November 2014, regione Marche-COSMOB Plenary Lecture at SEBRAE meeting)
- m) Pechino- Jinan (Regione Marche October 2014)
- n) Moscow (Regione Marche March 2014)
- o) Pechino – Jinan - Qingdao –Zibo – Changsha (Regione Marche, Apr 2016)
- p) Teheran – Mazandaran (Regione Marche, Jul. 2016)

Scientific Congresses and Workshop Organization

- a) Member of the Organizing committee of CO.GI.CO '92, 1st Congress of the Interdivisional Group of Organometallic Chemistry, September 1992, Camerino.
- b) Member of Organizing Committee of XIII T.U.M (Tosco-Umbro-Marchigiana) held in Camerino from 12 to 13 may 1994.
- c) Member of the Organizing Committee of the the seven editions of ISOC (1997-2009) (International School of Organometallic Chemistry)
- d) **Chairman** of the last eighth editions of ISOC (2009-2023).
- e) **Chairm of ISC (International School of Chemistry – web edition)**
- f) **Chairman** of the Organizing Committee of the 3rd EUCHEM Conference on Nitrogen Ligands in Organometallic Chemistry, Sept 8-12, 2004, Camerino.
- g) Member of the Scientific committee of the 4th EUCHEM Conference on Nitrogen Ligands in Organometallic Chemistry, Catalysis and Coordination Chemistry, Aug 25-28, 2008, Garmisch.
- h) Member of the Scientific committee of the 5th EUCHEM Conference on Nitrogen Ligands in Organometallic Chemistry, Catalysis and Coordination Chemistry, Set 4-8, 2011, Granada.
- i) Member of the Scientific committee of the 6th EUCHEM Conference on Nitrogen Ligands in Organometallic Chemistry, Catalysis and Coordination Chemistry, 2015, Beaune, France.
- j) Member of the Scientific committee of the 7th EUCHEM Conference on Nitrogen Ligands in Organometallic Chemistry, Catalysis and Coordination Chemistry, 2018, Lisbon, Portugal
- k) Member of the Scientific committee of CO.GI.CO 2004 (Cetraro), 2006 (Parma) and 2008 (Perugia), respectively, 6th, 7th and 8th Congress of the Interdivisional Group of Organometallic Chemistry.
- l) Chairman of the Organizing and Scientific Committee of the 1st International Workshop on New Hybrid Metal Organic Materials, Jan 16-18, 2009, Camerino.
- m) Member of the Scientific Committee of IX Symposium of Colloids and Surface Chemistry held in Galati (Romania, May 2008).
- n) Member of the Scientific committee of XXXVIII Congresso Nazionale della Divisione di Chimica Inorganica, 13-16 Sept 2010 (Trieste).
- o) Member of Scientific Committee of the Scuola Nazionale di Chimica Organometallica per dottorandi, 23-27 maggio 2010 Bertinoro (BO)

- p) Member of Scientific Committee of the Scuola Nazionale di Chimica Bioinorganica per dottorandi, 3-6 luglio 2011 Siena.
- q) Workshops Organisation in Buenos Aires (2011 and 2012): Functional Coordination Polymers.

Scientific Collaborations

Claudio Pettinari has collaborated with many research groups from different national and international Universities and Research institutes.

1. Prof. Armando Pombeiro (Università di Lisbona)
2. Prof. Sergei I. Troyanov e A. Drodzov (Università Lomonossov di Mosca).
3. Prof. Luis Oro (Univ. of Zaragoza, Spain)
4. Dr. Franco Caruso, Dr. Riccardo Spagna, Dr.ssa Clara Marcianite, Dr. Alberto Cassetta (CNR).
5. Prof.ssa Bruna Bovio (Università di Pavia).
6. Prof. Marcello Colapietro (Università la Sapienza, Roma).
7. Prof. ssa Miriam Rossi (Dep. of Chemistry, Vassar College, New York, USA).
8. Prof. ssa Eleonora Rivarola (Università di Palermo).
9. Dr. Marcello Crucianelli (Università dell'Aquila).
10. Dr. Carla Carfagna (Università di Urbino).
11. Dr. Andrea Mele (Politecnico di Milano).
12. Prof. Qingshan Li (Dipartimento di Scienze Farmaceutiche, Shanxi Medical University, R. P. Cinese)
13. Dr. ssa Rodica Dinica (Università di Galati, Romania)
14. Dr. Giovanni Battiston (area CNR-Padova).
15. Prof. Alexander Voloshin (UFA, Institute of Organic Chemistry, Ufa, Russia)
16. Dr. Gajdane Schrantz Krisztina (University of Szeged, Ungheria)
17. Prof. Luciano Pandolfo (Università di Padova)
18. Prof. Pietro Tagliatesta (Università di Tor Vergata Roma)
19. Prof. Magda Monari (Università di Bologna)
20. Dr. John Hanna (ANSTO Facilities, NMR Division, Australia)
21. Dr. S. Trofimenko (Du Pont, University of Delaware)
22. Prof. Ernesto Carmona (Università di Siviglia)
23. Prof. Dan Reger (University of South-Carolina)
24. Prof. Daniel Rabinovich (University of North-Carolina at Charlotte)
25. Prof. Norberto Masciocchi, Prof. A. Sironi (Università dell'Insubria + Uni Milano)
26. Prof. Daniela Pucci e Prof. Alessandra Crispini (Università della Calabria)
27. Prof. Eleuterio Alvarez (Univ. Sevilla)
28. Prof. Francesco Fanizzi (Università di Lecce)
29. Prof. Roberto Gobetto (Università di Torino)
30. Prof. Allan H. White and B. W. Skelton (University of Western Australia, Perth).
31. Prof. Alceo Macchioni (Università di Perugia)
32. Prof. Susumu Kitagawa (University of Tokio)
33. Dr. Maurizio Peruzzini (CNR Firenze)
34. Dr. Jack Harrowfield (ISIS – Strasbourg)
35. Prof. Konstantin Domasevitch (University of Kiev)
36. Dr. Stefano Stagni (Università di Bologna)
37. Dr. F. De Angelis (CNR Perugia)
38. Prof. Silvia Bordiga (Univ. Torino)
39. Prof. Graham Bowmaker (Auckland Univ)
40. Prof. Silvia Casassa (Torino University)
41. Prof. Luisa Martins (University of Lisbon)
42. Prof. Jeffrey Long (University of Berkeley)
43. Prof. V. Trofimenko (University of Delaware)
44. Prof. K. Domasevitch (university of Lviv)
45. Prof. Maurizio Peruzzini (CNR Firenze)
46. Prof. Tushar Basu Baul (Shillong University)
- 46 Prof. Tabassum Sartaj (Aligar Muslim University)
47. Prof. Paul Dyson (ETFL Lausanne)
48. Prof. Ilya Tajdakov (Mosca)
49. Prof. Omar Yaghi (Berkeley, US)

Teaching Activity

In the academic years 1992-93, 1993-94, 1994-95 and 1995-96 I was tutorship in theoretical exercises within the following courses:

General and Inorganic Chemistry (Degree in Pharmacy).
General and Inorganic Chemistry-I (Degree in Chemistry).
General and Inorganic Chemistry-II (Degree in Chemistry).

Previous Teachings

Claudio Pettinari has been regular teacher of the following courses:

1. **General and Inorganic Chemistry** (Degree in Scientific Information on Drugs) in the academic years: 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001.
2. **Inorganic Chemistry-II** (Degree in Chemistry) in the academic years: 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003.
3. **Advanced Inorganic Chemistry** (Degree in Chemistry) in the academic year 1996-1997.
4. **Mathematics and Physics** (Physics Unit) (Degree in Scientific Information on Drugs) in the academic years 1998-1999 and 1999-2000.
5. **Mechanisms of Reaction in Inorganic Chemistry** (Degree in Chemistry) in the academic years: 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004.
6. **General and Inorganic Chemistry** (Degree in Pharmacy) in the academic years: 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2021-2022, 2022-2023, 2023-2024.
7. **Didactics of Chemistry** (Degree in Chemistry) in the academic years 2003-2004, 2004-2005, 2005-2006, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012.
8. **General and Inorganic Chemistry** (Degree in Scientific Information on Drugs and Toxicology) in the academic years 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010.
9. **Advanced Inorganic Chemistry** (Specialistic Degree in Advanced Chemical Methodologies) in the academic years 2003-2004, 2004-2005, 2005-2006, 2006-2007, and 2007-2008.
10. **Mechanisms of Reaction in Inorganic Chemistry** (Specialistic Degree in Advanced Chemical Methodologies) in the academic years 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008.
11. **General and Inorganic Chemistry** (Degree in Biotechnology) in the academic year 2006-2007.
12. **Advanced Didactics of Chemistry** (Interuniversity School of Specialization for teaching in School, Natural Sciences Curriculum) in the academic years 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006.
13. **Inorganic Chemistry- I** (Degree in Chemistry) in the academic years 1996-1997 and 1997-1998.
14. **General and Inorganic Chemistry** (Degree in Paper Sciences and Technologies) in the academic years 1996-1997, 1997-1998, 1998-1999, 1999-2000, and 2000-2001.
15. **General and Inorganic Chemistry** (Science of Animal Production) in the academic year 2010-2011.
16. **Inorganic and Organometallic Biochemistry** (Specialistic Degree in Advanced Chemical Methodologies) in the academic years 2009-2010 and 2010-2011.
17. **La cultura dei materiali per l'innovazione** (Materials for innovation) in the IFTS course: **TECNICHE DI DISEGNO E PROGETTAZIONE INDUSTRIALE DESIGN CON MATERIALI ECO-COMPATIBILI NUOVE TECNOLOGIE E STAMPANTI 3D.**
18. **Lectures at the MASTER: Pericolosità dei prodotti in cemento-amianto o fibrocemento (5h) Sicurezza sul lavoro nei settori petrolifero e chimico (5h) Gestione rifiuti e protezione ambientale (5h), La sicurezza in ambiente sanitario (5h) in Diritto e processo penale della sicurezza sul lavoro.**
19. **General and Inorganic Chemistry (4 CFU) (Degree in Gastronomic Sciences) in the academic years from 2018 to 2023.**
20. **Elementi di Chimica (6 CFU) Tecnologie e Diagnostiche per i Beni culturali (2023-2024)**
21. **Negli anni accademici dal 1996 al 2007 ha fatto parte della commissione di esame per l'insegnamento RADIOCHIMICA tenuto dal prof. Marcello Colapietro.**

Actual Teachings

- a) **General and Inorganic Chemistry** (Degree in Farmacia): 6 CFU
- b) **General and Inorganic Chemistry** (Degree in Scienze Gastronomiche): 4 CFU
- c) **Elements of Chemistry** (Degree in Tecnologie e diagnostiche per beni culturali): 6 CFU

Teaching Staff

Teaching Staff period at the Universities of Sevilla, Paris, Strasbourg, Lisbon, Galati and Toulouse during which time Claudio Pettinari did lessons of Mechanisms of Reactions In Inorganic Chemistry and performed seminars on Advanced Inorganic Chemistry. Seminars in Paris, Barcellona, Saragozza, Sevilla, Strasbourg, Galati, Univ. Delaware, Univ. South Carolina.

Tutor of degree theses

Tutor of more than 150 degree thesis since 1994 till now and tutor of 18 Ph.D thesis (6 in the last three years).

Supervisors of Doctoral Thesis

Master Organization:

Claudio Pettinari has coordinated for his university the introduction and development of dual MASTERS degree courses with great relevance European universities for all scientific courses and specifically he coordinated the agreement between Instituto Superior Tecnico de Lisboa and UNICAM for Chemistry and Jilin University and UNICAM for Biotechnology.

Activity carried out as Internationalization delegate:

- About new 80 MoU signed between University of Camerino and other International Universities and Research Centres
- 4 Specific protocols signed between University of Camerino and Catamarca, Belgrano, Santafè and Lisboa for double degree courses certifications.
- Increase of outgoing ERASMUS students' number from 35 to 120 (2006-2016)
- Increase of incoming ERASMUS students' number from 23 to 60 (2006-2016)
- 12 ERASMUS TS or ERASMUS+ KA2 projects approved.
- Increase of International students' number (from 230 in 2006 to ca 700 in 2016)
- More than 240 students mobilities funded through PAESI TERZI, COPINT and double Degree Mobilities Actions
- More than 120 students mobilities within ERASMUS trainership grants from 2014 to 2016
- 17 International Missions as member of official delegation + 25 international mission in Europe within ERASMUS/COST programs and analogous actions.
- Participation to 2 international projects funded by SEBRAE-Brasil

Other Activity

- PAPERWORLD Project funded by CARIFAC for research on Nanocellulose
- UNICAMONTAGNA project developed with Castelraimondo, Camerino and Matelica municipalities
- Agreements with AICU, COOSS, MARCHE SOLIDALI, GUS + other 20 no-profit organizations for research and higher education projects.

Scientific Dissemination Activity:

1. Chimica all'opera (Fabriano-2013, Camerino-2014)
2. Scienza&Arte (Ascoli 2014, Matelica 2015, Camerino 2016, Senigallia 2017, Camerino 2018, Rotella 2019, Camerino 2019 - Notte dei ricercatori)
3. Chimica e Sport, Scienza e Sport (Camerino 2012, San Severino 2014, Fermo 2017)
4. Chimica e Materiali (Camerino 2016, Fermo 2018, Campus Party Milano 2017, Civitanova 2018)
5. Chimica e Cibo, chimica e alimentazione (Camerino 2014, Recanati 2015, Fermo 2017 in Fermo)
6. Chimica e Astronomia (in Galassica, Macerata 2018)
7. La figura di Nazareno Strampelli (Castelraimondo 2016, Magliano Sabina 2016)
8. Donne nella scienza (Fano, Passaggi 2018)
9. Reazioni Teatrali (Camerino 2014)
10. Polymers (CLIL activities in Macerata province)
11. IN VINO VERITAS (Castelraimondo 2018)
12. La resilienza della città di Camerino e della sua Università (Verona 2017, Perugia-2017)
13. Chimica e Musica in Gloria Campaner per Camerino (Camerino 2018)
14. Scienza e Supereroi (Camerino, Aprile 2019)

15. Tra chimica e musica, Linguaggi a confronto (con Grazia di Michele e Moreno, Controra-Musicultura 2019)
16. Scienza e Supereroi (Fano, Passaggi 2019)
17. L'Europa degli scienziati (Fano, Passaggi 2019)
18. Dalla COCACOLA ALLA RAGNATELA DI SPIDERMAN: VIAGGIO ATTRAVERSO LA SCIENZA STRAORDINARIA (activity 2019 in Recanati, Fermo, Civitanova Marche, Porto Sant'Elpidio, Macerata, Tolentino, San Severino, Camerino, Foligno e Spoleto).
19. Scienza e Supereroi (Fermo, Fernhamente, 2019)
20. Cos'è veramente la ricerca oggi, Camerino 2019, Riunione CODAU Ricerca:
21. Il Grano Cappelli, un simbolo (MATERA, 26 nov 2019, Accademia dei Georgofili)
22. Scienza e Arte (e-TV, RECANATI, Nov. 2019)
23. Scienza e Fiabe (evento on-line, Aprile 2020)
24. Dantedi (Evento on line, Marzo 2021)
25. Scienza e Arte (Festival di Scienza e Filosofia, Foligno, aprile 2021)
26. Professione Chimico (eventi on line per le scuole febbraio-aprile 2021)
27. La Chimica per l'ambiente (Festival di Scienza e Filosofia, Foligno, aprile 2023)
28. Il rischio chimico (Fabriano – Camerino)
29. Chimica e Letteratura (Fano, Foligno, Senigallia, Fabriano – Camerino, 2022-2023)
30. Le affinità elettive (Spettacolo con testi scritti da Pettinari, messo in scena a Roma (Palladio), Teramo (università) e Camerino (università), a FOSFORO (Senigallia) e a Passaggi (FANO)

In the last three years Pettinari also participated in the organization of several events, some of them very relevant for the University of Camerino and the Marche community:

1. Il Bello di UNICAM 2018
2. Il Bello di UNICAM 2019
3. Il Bello di UNICAM 2020
4. Il Bello di UNICAM 2021
5. Il Bello di UNICAM 2022
6. Il Bello di UNICAM 2023
7. Festival della Paesologia
8. I Betti
9. UNICAMONTAGNA

Pettinari is also the curator of the exhibition: Scienza Sotto le Stelle (Passaggi- Fano, 2022-2023)

During the CRUI council participation Pettinari organized two National Meeting, the first dedicated Doctoral studies in Italy (Padova, march 2023) and the second to the Third mission strategies (Cagliari, October 2023).

List of publications of Claudio Pettinari (from Web of science)

1.	Title: Copper(I) derivatives of bis(azol-1-yl)alkanes Author(s): Bonati, F; Cingolani, A; Gioia Lobbia, G; Leonesi, D; Cingolani, A; Pettinari, C Source: GAZZETTA CHIMICA ITALIANA Volume: 120 Issue: 5 Pages: 341-345 Published: MAY 1990
2.	Title: Adduct formation or metalation from 1,2-bis(N-pyrazolyl)ethane and mercury (II) derivatives Author(s): Lorenzotti, A; Cecchi, P; Pettinari, C ; Leonesi, D; Bonati, F Source: GAZZETTA CHIMICA ITALIANA Volume: 121 Issue: 2 Pages: 89-91 Published: FEB 1991
3.	Title: Organotin(IV) polypyrazolylborates. 3. Tris(3,5-dimethylpyrazolyl)borates Author(s): Gioia Lobbia, G; Bonati, F; Cecchi, P; Lorenzotti, A; Pettinari, C Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 403 Issue: 3 Pages: 317-323 Published: FEB 19 1991
4.	Title: Organotin derivatives of 4-acyl-5-pyrazolones – Crystal structure of trans-di(tert-butyl)bis(1-phenyl-3-methyl-4-benzoyl-pyrazolon-5-ato)tin(IV) Author(s): Pettinari, C ; Rafaiani, G; Gioia Lobbia, G; Lorenzotti, A; Bonati, F; Bovio, B Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 405 Issue: 1 Pages: 75-92 DOI: 10.1016/0022-328X(91)83158-Z Published: MAR 5 1991
5.	Title: Metal polypyrazolylborates. 4. Mercury derivatives Author(s): Gioia Lobbia, G; Bonati, F; Cecchi, P; Pettinari, C Source: GAZZETTA CHIMICA ITALIANA Volume: 121 Issue: 7 Pages: 355-358 Published: JUL 1991
6.	Title: Zinc and cadmium adducts of 2,2'-bis(pyrazol-1-yl)propane, (L-L), a sterically hindering ligand – Crystal structure of (L-L)Zn[OC(=O)CF₃]₂(H₂O) Author(s): Bovio, B; Cingolani, A; Pettinari, C ; GIOIA LOBBIA, G; BONATI, F Source: ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE Volume: 602 Issue: 11 Pages: 169-177 DOI: 10.1002/zaac.19916020118 Published: SEP 1991
7.	Title: Preparation of zinc and cadmium adducts of 1,2-bis(N-pyrazolyl)ethane and comparison with other bis(N-pyrazolyl)alkane derivatives of group 12 metals Author(s): Lorenzotti, A; Bonati, F; Cingolani, A; Leonesi, D; Pettinari, C Source: GAZZETTA CHIMICA ITALIANA Volume: 121 Issue: 12 Pages: 551-554 Published: DEC 1991
8.	Title: Tin(IV) and organotin(IV) adducts of 4-acyl-5-pyrazolones and germanium (IV) 4-acyl-5-pyrazolonates Author(s): Pettinari, C ; Bonati, F; Cingolani, A; Gioia Lobbia, G; Marchetti, F Source: GAZZETTA CHIMICA ITALIANA Volume: 122 Issue: 7 Pages: 261-267 Published: JUL 1992
9.	Title: Synthesis and characterization of some tin(IV) and organotin(IV) derivatives of 1-phenyl-3-methyl-4-acyl-5-pyrazolones Author(s): Marchetti, F; Pettinari, C ; Cingolani, A; Leonesi, D Source: SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY Volume: 23 Issue: 9 Pages: 1485-1505 DOI: 10.1080/15533179308016701 Published: 1993
10.	Title: Tin(IV) and organotin(IV) complexes with heterocyclic beta-diketonates. 1. Bis-[4(1-Phenyl-3-methylpyrazol-5-one)]-dioxoalkane derivatives Author(s): Pettinari, C ; Marchetti, F; Cingolani, A; Leonesi, D; Gioia Lobbia, G; Lorenzotti, A Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 454 Issue: 1-2 Pages: 59-66 DOI: 10.1016/0022-328X(93)83223-I Published: JUL 27 1993
11.	Title: On the interaction between silver(I) compounds and various bis(pyrazol-1-yl)alkanes Author(s): Pettinari, C ; Lorenzotti, A; Cingolani, A; Leonesi, D; Marra, M; Marchetti, F Source: GAZZETTA CHIMICA ITALIANA Volume: 123 Issue: 9 Pages: 481-486 Published: SEP 1993
12.	Title: 1st-Row Transition and Group 12 and Group 14 metal bis[hydridotris(3A,7A-benzo-1,2,3-1H-triazol-1-yl)borate] derivatives Author(s): Cecchi, P; Gioia Lobbia, G; Leonesi, D; Pettinari, C ; Sepe, C; Vinciguerra, V Source: GAZZETTA CHIMICA ITALIANA Volume: 123 Issue: 10 Pages: 569-572 Published: OCT 1993
13.	Title: Tin(IV) and organotin(IV) complexes containing the anion of some substituted 3-methyl-4-acyl-5-pyrazolones. Crystal structure of dimethylbis(1-phenyl-3-methyl-4-benzoylpyrazolon-5-ato)tin(IV) Author(s): Bovio, B; Cingolani, A; Marchetti, F; Pettinari, C Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 458 Issue: 1-2 Pages: 39-48 DOI: 10.1016/0022-328X(93)80455-K Published: OCT 5 1993
14.	Title: Metal polypyrazolylborates. 6. Alkanethiolatomercury(II) and arenethiolatomercury(II) polypyrazolylborates Author(s): Gioia Lobbia, G; Cecchi, P; Bartolini, S; Pettinari, C ; Cingolani, A Source: GAZZETTA CHIMICA ITALIANA Volume: 123 Issue: 11 Pages: 641-646 Published: NOV 1993
15.	Title: Zinc and cadmium, and mercury derivatives of 1,2-bis(3,5-dimethylpyrazol-1-yl)ethane Author(s): Pettinari, C ; Marchetti, F; Lorenzotti, A; Gioia Lobbia, G; Leonesi, D; Cingolani, A Source: GAZZETTA CHIMICA ITALIANA Volume: 124 Issue: 1 Pages: 51-55 Published: JAN 1994
16.	Title: Synthesis and characterization of some tin(II) and tin(IV) derivatives of 4-acyl-5-pyrazolones- Crystal structure of bis(1-phenyl-3-methyl-4-acetyl-pyrazolon-5-ato)tin(II) Author(s): Pettinari, C ; Marchetti, F; Cingolani, A; Marciante, C; Spagna, R; Colapietro, M Source: POLYHEDRON Volume: 13 Issue: 6-7 Pages: 939-950 DOI: 10.1016/S0277-5387(00)83014-4 Published: MAR-APR 1994
17.	Title: Synthesis and characterization of some zinc, cadmium and mercury(II) derivatives of bis(4-

	<p>methylpyrazol-1-yl)alkanes Author(s): Pettinari, C; Santini C; Leonesi, D; Cecchi, P Source: POLYHEDRON Volume: 13 Issue: 10 Pages: 1553-1562 DOI: 10.1016/S0277-5387(00)83450-6 Published: MAY 1994</p>
18.	<p>Title: Tin(IV) and organo(IV) complexes with heterocyclic beta-diketonates. 2. Bis-[4(3-methyl-1-phenylpyrazol-5-one)]1,N-(C=O)₂(CH₂)_n (n=5-8,10) Author(s): Pettinari, C; Marchetti, F; Gioia Lobbia, G; Cingolani, A Source: GAZZETTA CHIMICA ITALIANA Volume: 124 Issue: 7 Pages: 285-294 Published: JUL 1994</p>
19.	<p>Title: Synthesis, characterization and spectroscopic investigations of tin(IV) and organotin(IV) derivatives of 4-aryl-5-pyrazolones. Crystal structure of trans-dimethylbis[1-phenyl-3-methyl-4-(4-bromobenzoyl)-pyrazolon-5-ato]tin(IV) Author(s): Pettinari, C; Marchetti, F; Leonesi, D; Rossi, M; Caruso, F Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 483 Issue: 1-2 Pages: 123-137 DOI: 10.1016/0022-328X(94)87155-8 Published: DEC 13 1994</p>
20.	<p>Title: Synthesis and characterization of new heterometallic complexes containing 2 pyrazolide bridges Author(s): Pettinari, C Source: MAIN GROUP METAL CHEMISTRY Volume: 18 Issue: 4 Pages: 183-189 Published: 1995</p>
21.	<p>Title: Organotin(IV) polypyrazolylborates- 7. Hydridotris (3,4,5-trimethyl-1H-pyrazol-1-yl)borates. X-Ray Crystal structures of K[HB(3,4,5-Me₃pz)₃] and [HB(3,4,5-Me₃pz)₃SnMeCl₂] Author(s): Gioia Lobbia, G; Cecchi, P; Spagna, R; Colapietro, M; Pifferi, A; Pettinari, C Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 485 Issue: 1-2 Pages: 45-53 DOI: 10.1016/0022-328X(94)05003-T Published: JAN 11 1995</p>
22.	<p>Title: Synthesis, characterization and reactivity of coordination compounds of group-12 metals containing the N₂-donor ligands bis(3,4,5-trimethylpyrazol-1-yl)methane Author(s): Pettinari, C; Gioia Lobbia, G; Lorenzotti, A; Cingolani, A Source: POLYHEDRON Volume: 14 Issue: 6 Pages: 793-803 DOI: 10.1016/0277-5387(94)00297-R Published: MAR 1995</p>
23.	<p>Title: Synthesis and spectroscopic investigations (IR, NMR and Moessbauer) of tin(IV) and organotin(IV) derivatives of bis(4-methylpyrazol-1-yl)methane and its dimethyltin(IV) dichloride adduct. Author(s): Pettinari, C; Lorenzotti, A; Sclavi, G; Cingolani, A; Rivarola, E; Colapietro, M; Cassetta, A Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 496 Issue: 1 Pages: 69-85 DOI: 10.1016/0022-328X(95)05445-U Published: JUN 28 1995</p>
24.	<p>Title: Synthesis and characterization of derivatives of copper(I) with N-donor ligands. 1. Azole and bis(azolyl)alkane compounds – Crystal structure of nitrate bis(tri-p-tolylphosphine)copper(I) Author(s): Pettinari, C; Gioia Lobbia, G; Sclavi G; Leonesi, D; Colapietro, M; Portalone, G Source: POLYHEDRON Volume: 14 Issue: 13-14 Pages: 1709-1723 DOI: 10.1016/0277-5387(94)00468-T Published: JUL 1995</p>
25.	<p>Title: Synthesis and characterization of copper(II) derivatives with nitrogen-donor ligands. 2. Dihydridobis(1H-pyrazol-1-yl)borate and tetrakis(1H-pyrazolyl-1-yl)borate – The X-ray crystal structure of [pz₂B-(μ-pz)₂-Cu(PPh₃)₂] Author(s): Cecchi, P; Bovio, B; Gioia Lobbia, G; Pettinari, C; Leonesi, D. Source: POLYHEDRON Volume: 14 Issue: 17-18 Pages: 2441-2449 DOI: 10.1016/0277-5387(95)00068-4 Published: AUG 1995</p>
26.	<p>Title: Synthesis and spectroscopic characterization of tin(IV) and organotin(IV) derivatives of bis(azol-1-yl)methanes Author(s): Pettinari, C Source: MAIN GROUP METAL CHEMISTRY Volume: 19 Issue: 8 Pages: 489-498 Published: 1996</p>
27.	<p>Title: Coordination compounds derived from group 5-14 metal salts and 2,2'-bis(pyrazol-1-yl)propane (L-L). X-ray crystal structure determination of the adducts [(L-L)ZnBr₂] and [(L-L)ZnI₂] Author(s): Pettinari, C; Cingolani, A; Bovio, B Source: POLYHEDRON Volume: 15 Issue: 1 Pages: 115-126 DOI: 10.1016/0277-5387(95)00112-6 Published: JAN 1996</p>
28.	<p>Title: Synthesis and characterization of copper(I) and copper(II) coordination compounds containing 4-acylpyrazolon-5-ato ligands. Crystal structure of [(4-trifluoroacetyl-1-phenyl-3-methylpyrazolon-5-ato)bis(triphenylphosphine)copper(I)] Author(s): Marchetti, F; Pettinari, C; Cingolani, A; Leonesi, D; Camalli, M; Pifferi, A. Source: POLYHEDRON Volume: 15 Issue: 21 Pages: 3835-3849 DOI: 10.1016/0277-5387(96)00104-0 Published: 1996</p>
29.	<p>Title: Synthesis and characterization of copper(I) derivatives with N-donor ligands .3. Hydridotris(1H-pyrazol-1-yl)borate. The X-ray crystal structure of [HB-(μ-pz)₃-Cu(PPh₃)] Author(s): Lobbia, GG; Pettinari, C; Marchetti, F; Bovio, B; Cecchi, P. Source: POLYHEDRON Volume: 15 Issue: 5-6 Pages: 881-890 Published: MAR 1996</p>
30.	<p>Title: Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands .1. 1-Benzylimidazole derivatives Author(s): Pettinari, C; Marchetti, F; Cingolani, A; Bartolini, S. Source: POLYHEDRON Volume: 15 Issue: 8 Pages: 1263-1276 DOI: 10.1016/0277-5387(95)00384-3 Published: APR 1996</p>
31.	<p>Title: Tin(IV) and organotin(IV) complexes containing mono or bidentate N-donor ligands .2. 4-phenylimidazole derivatives. Crystal and molecular structure of [bis(4-phenylimidazole)trimethyltin(IV)]chloride Author(s): Pettinari, C; Marchetti, F; Pellei, M; Cingolani, A; Barba, L; Cassetta, A.</p>

	Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 515 Issue: 1-2 Pages: 119-130 DOI: 10.1016/0022-328X(95)06054-Z Published: MAY 31 1996
32.	Title: Triorganotin(IV) derivatives of several 4-acyl-5-pyrazolonato ligands: Synthesis, spectroscopic characterization and behavior in solution Crystal structure of aquotrimethyl(4-p-methoxybenzoyl-1-phenyl-3-methyl-pyrazolon-5-ato)tin(IV) Author(s): Marchetti, F; Pettinari, C ; Cingolani, A; Lobbia, GG; Cassetta, A; Barba, L. Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 517 Issue: 1-2 Pages: 141-154 DOI: 10.1016/0022-328X(96)06170-0 Published: JUN 28 1996
33.	Title: Tin(IV) and organotin(IV) derivatives of anionic 4-acyl-5-pyrazolonato ligands: Synthesis, spectroscopic characterization (IR, far-IR, Sn-119 Mossbauer, H-1, C-13 and Sn-119 NMR) and behavior in solution - Crystal and molecular structure of trans-diphenylbis[1-phenyl-methyl-4-(bromobenzoyl)-pyrazolon-5-ato]tin(IV) Author(s): Caruso, F; Leonesi, D; Marchetti, F; Rivarola, E; Rossi, M; Tomov, V; Pettinari, C . Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 519 Issue: 1-2 Pages: 29-44 DOI: 10.1016/S0022-328X(96)06178-5 Published: JUL 26 1996
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<p>Claudio Pettinari</p> 	<p>Rector Univ. Camerino (2017-2023) Vicerektor Univ. Camerino (2011-2017) Research Delegate Univ. Camerino (2017-2023) International Relations delegate (2006-2017) Pharmacy Course Coordinator (2000-2004) Scientific Information on Drugs course coordinator (2004-2009) CNR ICCOM unit responsible CNR associate INSTM scientific committee member REDI President (2018-2023) CRUI council member/Research delegate (2021-2023) EUA working group Research Policy Italy delegate (2021-2022) EUA Research and Innovation Steering Group- Italy representative (2023-2024) CRUM President (2021-2022) ALMALAUREA Council member APRE member of experts group</p>
<p>Prizes</p>	<ul style="list-style-type: none"> ○ Bonati prize 1998 ○ “Nasini” Medal (2004) ○ Honoris Causa Doctor in Chemistry from University of Galati 2012. ○ Camerte dell’Anno 2013 ○ Elected Member of Academy of Science di Lisbona nel 2015. ○ Member of Academy of Science of Bologna ○ Distinguished Fellow Award del Centro de Quimica Estrutural di Lisbona ○ Melvin Jones FRIEND 2018 ○ Verdicchio D’oro 2018 ○ San Giacomo della Marca Prize 2018 ○ Sacconi Lecture 2023
<p>Publication number</p>	<p>446</p>
<p>h-index/citations</p>	<p>60/15746</p>
<p>Other original contributes</p>	<p>15</p>
<p>Congress communications</p>	<p>270</p>
<p>Books</p>	<p>4</p>
<p>Patents</p>	<p>4</p>
<p>Plenary/Lectio magistralis</p>	<p>21</p>
<p>Projects</p>	<p>21</p>
<p>PhD supervisions</p>	<p>16</p>
<p>Master degree supervisions</p>	<p>150</p>
<p>International Congresses organizations</p>	<p>6</p>
<p>Summer schools organizations</p>	<p>14</p>
<p>International Missions</p>	<p>17</p>
<p>Courses/Classes delivered</p>	<p>102</p>
<p>Special issues Guest editor</p>	<p>9</p>
<p>Editor</p>	<p>4</p>
<p>Member of Advisory Board</p>	<p>5</p>
<p>Scientific communication and divulgation Meetings</p>	<p>>30</p>
<p>Collaborators</p>	<p>50</p>
<p>Visiting Professor Activity</p>	<p>13</p>

December 7th, 2023

Sincerely yours

Claudio Pettinari

A handwritten signature in black ink, appearing to read "Claudio Pettinari". The signature is written in a cursive style with a large, prominent initial 'C'.

