



## Lucia Maini

Dipartimento di Chimica "Giacomo Ciamician"  
Alma Mater- Univeristà di Bologna  
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### Present Position

Full professor, Dipartimento di Chimica "Giacomo Ciamician"- UNIBO

### Bibliometric indicators

141 publications in peer-review journals, more than 60 contributions to national and international congresses, 1 patent H index: 42, Total number of citations: > 200 (scopus, October 2025).

<https://www.scopus.com/authid/detail.uri?authorId=7003919141>; Orcid 0000-0002-0703-2617

### Academic Education

Ph.D. in Chemical Sciences – University of Bologna (2001)– Advisor: Prof. Dario Braga  
Degree in Chemistry – University of Bologna (1997), 110/110 cum laude – Advisor: Prof. Vincenzo Balzani, Co-advisor: Prof. Peter C. Ford

### Professional Experience

Full Professor CHIM/03 – University of Bologna (Nov. 2023 – Present)  
Associate Professor CHIM/03 – University of Bologna (Sept. 2014 – Oct. 2023)  
Researcher CHIM/03 – University of Bologna (Oct. 2006 – Aug. 2014)  
Research Fellow – Department of Chemistry "Ciamician", University of Bologna (2000 – 2006)

### Research Expertise and Interests

Lucia Maini works in Crystal Engineering, with expertise in crystallography, diffraction methods, and thermal analysis of solids. Her research spans hydrogen bonding in organometallic crystals, polymorphs and cocrystals of organic molecules (with focus on pharmaceuticals in industry collaborations), and phase transitions in molecular materials for optoelectronic applications. A major focus is the application of mechanochemistry to the sustainable synthesis of copper(I) and silver(I) halide coordination polymers with photophysical properties. She is also actively involved in an interdisciplinary project on the replication of ancient alchemical recipes, bridging chemistry with history and philology.

### Main National and International Roles

Member of the Presidential Board of the Italian Crystallographic Association (2021–2027)  
Vice-Chair of the European COST Action CA18112 Mechanochemistry for Sustainable Industry (2019–2023)

### Invited Lectures

7 invited lectures at international events and conferences

### National and International Research Projects

Collaboration in ERC projects such as AlchemEast CONSOLIDATOR GRANT – G.A. 724914 (2017–2022) and USE-Fool Consolidator grant- GA 101043939 (2022–2027), MOSAIC ( 2025-2031)  
Supervision of PhD students within the UHMob – H2020 project GA No 811284  
Participation in the PRIN-PNRR project STIGMA (2022)  
PI of the project Global South – A Crystalline Future, University of Bologna (2024)

### Tutoring Activities

Supervisor of >25 students (Master, PhD, Postdoc and visiting fellows)

Bologna 03/10/2025