


## INFORMAZIONI PERSONALI

Claudia Letizia Bianchi




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Nazionalità Italiana

## CURRENT POSITION

Full professor of Industrial Chemistry

## Teaching

- Industrial Chemistry (6 CFU)
- Chemical Processes and Plants (6 CFU)
- Recycle and Life Cycle Assessment (LCA) of products and processes (6 CFU)
- Sostenibilità e Sviluppo Sostenibile (2 hours/6 CFU)

## Organising/management issues

- AQ Referent of the Master in Industrial Chemistry
- Steering committee of the Doctoral programme in Industrial Chemistry
- Elected member of the Department of Chemistry board

## WORK EXPERIENCE

- 
- |                           |   |
|---------------------------|---|
| 01/10/2006-<br>30/09/2007 | Associate Professor of Industrial Chemistry (SSD Chim/04)<br><br>Università degli Studi di Milano – Dip. Chimica  |
| 01/07/1995-<br>30/09/2006 | Researcher of Applied Physical Chemistry (SSD IngInd/23)<br>Università degli Studi di Milano – Dip. Chimica   |
| 1995-present              | Consultant for private companies  |
| 2012-present              | Editor / Guest Editor for international journals <ul style="list-style-type: none"> <li>▪ Member of the Editorial Board of “Ultrasonics-Sonochemistry” since 2017, Elsevier</li> <li>▪ Guest Editor of various Special Issues for Scopus-indexed journals such as Catalysts and Nanomaterials.</li> </ul> |
| 2017-present              | LCA Expert: enabled to certify the environmental impact of products and processes using the LCA method  |

**EDUCATION AND TRAINING**

- 18/12/1996 **PhD in Material Science**  
Università degli Studi di Milano (Italy)
- 28/01/1991 **Master Degree in Industrial Chemistry**  
Università degli Studi di Milano (Italy)

**PERSONAL SKILLS**

Mother tongue Italian

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Interaction	Speaking	
English	C1	C1	C1	C1	C1
French	B1	B2	B1	B1	B1
Chinese	A1	A1	-	-	-

**Organizational and management skills**

Teamleader of a research group with 1 associate professor, 1 postdoc, 1 technician, 2 PhD students and master and bachelor students in Chemistry and Industrial Chemistry

**PUBLICATIONS**

Full profile and complete list of publications on Scopus:  
<https://www.scopus.com/authid/detail.uri?authorId=7202398527>

Author of more than 230 original research papers on International Journals with IF (h-index: 44) in the field of applied material science and environmental catalysis and communications to national and international conferences, often as invited speaker.

Countless collaborations with colleagues in academic institutions around the world.

Google scholar:

<u>Citations</u>	10066
<u>H-index</u>	50
<u>i10-index</u>	188

**Patents**

- "Metalli Fibers Boards functionalized by catalysts and process for producing thereof.", Toia L., Boffito C., Ragaini V., Vitali S. Bianchi C.L., W99/626363
- "Photocatalytic particles and process for the production thereof", Minozzi F., Bianchi C.L., Pellini R., Capucci V., EP3277634

**Professional competences**

As part of her scientific activity, Claudia Bianchi has always dealt with the study of large catalytic processes of industrial interest and, since her graduation thesis, she has specialized in the use of the XPS technique which has allowed her to study, with a different approach than in the past, the correlation between the surface properties of catalysts and their activity in some of the most important industrial processes. This technique, of which Claudia Bianchi has become an internationally recognized expert, with collaborations both in the academic and industrial worlds, allows a closer understanding of the phenomena that occur on the surface of solid materials and that can allow an optimization of the final process, both through the re-modulation of the catalyst preparation steps, and by making an improvement of the process itself from a purely plant engineering point of view. In this case, Claudia Bianchi collaborated in the development of innovative laboratory-scale plants.

Claudia Bianchi is also a recognized expert in the use of ultrasounds so as to be elected a member of the Board of the European Society of Sonochemistry since 2002. In this field, she has gained a deep experience both in the preparation of high dispersion materials, a technique of which she is was a pioneer especially in the field of supported metals, both in the direct use of these in ultrasonic reactors, exploiting the synergy with ozone and / or photocatalysis (member of the ISO TC206 on Advanced Ceramic), for environmental remediation processes.

Since 2015, LCA lecturer with LCA Expert qualification.

**Infomatic competences**

Excellent command of office and Origin packages.

Machine software for XPS instruments.

LCA: SimPro software with EcoInvent database

**Driving licence**

Driving licence B

I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data".

Prof. Claudia L. Bianchi



ClaudiaBianchi.pfx