



# Gabriella Garbarino

Fixed-term assistant professor

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## *Education and training*

2014

### **Doctorate in Material Science and Technology**

Nickel and Cobalt catalysts for renewable hydrogen production and use -  
Superato con eccellenza

Università degli Studi di Genova - Genova - IT

2010

### **Master degree in Chemical Engineering**

Kinetic parameter identification in Molten Carbonate Fuel Cells - 110/110 e  
lode

Università degli Studi di Genova - Genova - IT

2008

### **Bachelors degree in Chemical Engineering**

Evaluation of commercial activated carbons in the separation of  
hexamethyl-cyclotrisiloxane from synthetic gas as a model of landfill biogas  
- 110/110 e lode

Università degli Studi di Genova - Genova - IT

## *Academic experience*

2016 - 2018

### **Postdoc**

Università degli Studi di Genova - Genova - IT

Ethanol catalytic conversion to useful products

2014 - 2015

### **Assegnista di ricerca**

Università degli Studi di Genova - Genova - IT

Catalyst and process development for the production of useful chemicals  
starting from wastes

## *Work experience*

2003 - 2010

### **Employee**

Coopi Liguria - Carasco - IT

Employee

## ***Language skills***

### **English**

Proficient

### **Spanish**

Independent

## ***Teaching activity***

a.y. 17/18 Co-professor for the course “Industrial Catalysts and Adsorbents” for the Master Degree in Chemical Engineering (code 66333)  
a.y. 16/17 Professor for the course “Tecnologie di pirolisi delle biomasse” for the FSE course 'Corso di specializzazione sugli strumenti operativi per la valorizzazione del territorio (FSE)'  
a.y. 17/18-16/17-15/16-14/15 and 13/14 Teaching activity “Mass balances in Chemical Industrial Processes” for the Master Degree in Chemical Engineering (belonging to the course 56534)  
a.y. 17/18-16/17 Teaching assistant “Chemistry” for the Bachelor Degree in Biomedical Engineering (code 56534)  
04/13 - 11/13 and 03/12-10/12 Teaching assistant – Tutor for 1st year students (Project ING-02).

## ***Postgraduate research and teaching activity***

### **Postgraduate (PhD) teaching activity**

a.y. 16/17 and 17/18 'Characterization of powdered materials' for the PhD in Civil; Chemical and Environmental Engineering. Curriculum Chemical Materials and Process Engineering (XXXII, XXXIII cycles), 3 CFU, at Università degli Studi di Genova – Scuola Politecnica

## ***Research interests***

Heterogeneous catalysis; CO<sub>2</sub> capture and utilisation; adsorption and reaction engineering

## ***Editorial activity***

Peer reviewer for: Applied Catalysis B: Environmental (Elsevier, ISSN: 0926-3373), Journal of CO<sub>2</sub> Utilisation (Elsevier, ISSN: 212-9820), Fuel Processing Technology (Elsevier, ISSN: 0378-3820), Materials and Design (Elsevier, ISSN: 0261-3069), Reaction Kinetics, Mechanisms and Catalysis (Springer Netherlands, ISSN: 1878-5190), Arabian Journal of Chemistry (King Saud University, ISSN: 1878-5352), International Journal of Hydrogen Energy (Elsevier Limited, ISSN: 0360-3199), Applied Surface Science (Elsevier, ISSN: 0169-4332), Catalysis Letters (Springer Netherlands, ISSN: 1011-372X), Catalysts (MDPI, ISSN: 2073-4344), Surface and Interphases (Elsevier, ISSN: 2468-0230), Applied Catalysis A: General (Elsevier, ISSN: 0926-860X), Coatings (MDPI, ISSN 2079-6412)