

Date of birth: 27/09/1993
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Native Language: Italian

Other languages: English (level B2)

Current position: PhD student (XXXV cycle – 3rd year)
Università degli studi di Trieste
Supervisor: Prof. Barbara Milani
Scientific area: Inorganic and general chemistry

2nd level degree: Master degree in *Scienze e tecnologie dei Bio e Nanomateriali*
Università Ca' Foscari Venezia
Supervisor: Prof. Elisa Moretti
Thesis title: Synthesis and characterization of ceria-titania nanostructured for photocatalytic application (110/110)

Tutoring activity: Co-supervisor of bachelor and master degree in Chemistry at UniTs
Didactic tutor in the laboratories heads by Prof. Milani (Laboratory of Inorganic Chemistry, 3rd year of bachelor degree in Chemistry – UniTs)

Experiences abroad: Erasmus Plus for traineeship at University of Malaga (ES)
October – December 2018
Supervisor: Prof. Enrique Rodriguez-Castellon

Publications:

1. **Alberoni, C.**, D'Alterio, M. C., Balducci, G., Immirzi, B., Polentarutti, M., Pellecchia, C., Milani, B. ACS Catalysis, *submitted*.

Title: Tunable “*in chain*” and “*at the end of the branches*” methyl acrylate incorporation in polyolefins skeleton through Pd(II) catalysis.

2. **Alberoni, C.**, Barroso-Martin, I., Infantes-Molina, A., Rodriguez-Castellon, E., Talon, A., Zhao, H., You, S., Vomiero, A., Moretti, E. *Mater. Chem. Front.*, **2021**, 5, 4138. *Advanced article*.

Title: Ceria doping boosts methylene blue photodegradation in titania nanostructures.

3. Barroso-Martin, I., **Alberoni, C.**, Rodriguez-Castellon, E., Infantes-Molina, A., Moretti, E. *Current Opinion in green and sustainable chemistry*, **2020**, 21, 9.

Title: Recent advances in photo-assisted preferential CO oxidation in H₂-rich stream.

Posters and oral presentations at conferences:

1. Alberoni, C., Balducci, G., Milani, B.

“*Functionalized polyolefins: from pristine polyolefins to better performing macromolecules*”

I giovani e la chimica in Friuli Venezia Giulia, Trieste, September 30th 2021.

Oral communication.

2. Alberoni, C., Balducci, G., Pellecchia, C., Milani, B.

“*Pd(II) catalysts for the synthesis of functionalized polyolefins: the control of polar monomer enchainment*”

XXVII Congresso Nazionale della Società Chimica Italiana, Milan, September, 14th-23rd 2021.

Poster. (Book of abstract: INO PO003) (online edition)

3. Alberoni, C., Balducci, G., Polentarutti, M., Milani, B.

“*Pd(II) catalysts for the synthesis of functionalized polyolefins: the effect of a fourth monodentate ligand*”

XIII International School of Organometallic Chemistry, ISOC, Camerino, September 1st-3rd 2021.
Flash presentation and poster. *Poster prize*. (online edition)

4. Alberoni, C., Balducci, G., Pellicchia, C., Milani, B.

"Pd(II) catalysts for the synthesis of functionalized polyolefins: the control of polar monomer enchainment"

CIRCC - XVII PhD-Chem Day, Venice, April, 29th-30th 2021.

Oral communication. (online edition)