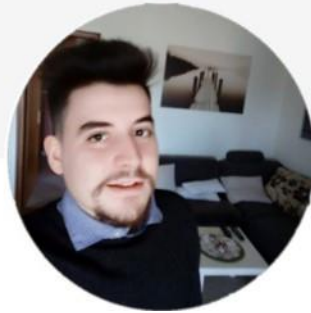


# Curriculum Vitae



## Andrea Bartoletti

Born on 04-07-1994

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Italian

Linked  QR code



*I am a highly motivated and progress-focused PhD student with a great desire to keep learning. I am able to work in a team and I am not afraid to try new challenging experience. I am willing to reinvent myself in order to grow professionally.*

### INSTRUCTION AND FORMATION

- **2020 - to date** – PhD. in Molecular Science, curriculum chemical science - XXXVI cycle at Università degli studi di Padova (PD, Italy), project title *“Nanostructured ceramic proton conductors for hydrogen separation”*.
- **2017 - 2020** – Masters degree in Industrial Chemistry at Alma Mater Studiorum, Università di Bologna (BO, Italy), thesis title: *“Sintesi e caratterizzazione di  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  (CCTO) per applicazioni in fotoelettrocatalisi”*, final grade 105/110.
- **2013 - 2017** – Three-year degree in Chemistry and Technologies for the environment and materials, curriculum traditional and innovative materials at Alma Mater Studiorum, Università di Bologna (BO, Italy), thesis title: *“Caratterizzazione delle proprietà termomeccaniche di nastri ceramici in verde ottenuti mediante colaggio su nastro”*, final grade 106/110.
- **2013** – High school diploma in Industrial Chemical Expert Chief Technician at Istituto Tecnico Industriale statale “Guglielmo Marconi” Forlì (FC, Italy).

## WORK EXPERIENCES RELATED TO THE UNIVERSITY FIELD

- **Feb. 2019 – Mar. 2020 – Internship** at CNR-ISTEC Istituto di Scienza e Tecnologia dei Materiali Ceramici, Faenza (RA, Italy).

**Objectives:** Master's degree experimental thesis.

**Main tasks:** Synthesis and formulation of non-conventional ceramic powders, structural and morphological characterization (XRD, SEM), optical (UV-Vis) and compositional (ICP-OES) characterizations, photocatalytic degradation of organic pollutants tests, production of ceramic inks, screen printing depositions, electrochemical characterizations on films (CV, EIS, MS), photoelectrochemical (PEC) CO<sub>2</sub> to chemicals conversion tests.

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- **Mar. 2017 – Sep. 2017 – Internship** at CNR-ISTEC Istituto di Scienza e Tecnologia dei Materiali Ceramici, Faenza (RA, Italy).

**Objectives:** Three-years degree experimental thesis

**Main tasks:** Tape casting, development of porous support for hydrogen separation membranes, competence in the use of a dynamic-mechanical analyzer (DMA), development of a characterization protocol for green ceramic tapes for the optimization of the lamination process.

## MAIN STUDIES AND PROFESSIONAL SKILLS

- During the studies for the **master degree**:  
Methods for experimental research, development and management of industrial chemical processes, study of industrial polymeric products, basics of computational chemistry (Molecular Mechanics, Molecular Dynamics and Montecarlo simulations), organic and inorganic advanced chemistry.
- During the studies for the **three-year degree**:  
Study of the properties and main industrial processes for the production of traditional materials (such as polymers, metal alloys, ceramic materials), ability to developing innovative materials (composites, nanomaterials, advanced ceramics), knowledge of the main instrumental chemical analysis techniques.

## OTHER KNOWLEDGE

- **English knowledge** – B2 talking – B2 writing
- Windows, Office suite, Internet and email
- Competent in the use of the main laboratory equipment.

## ADDITIONAL INFORMATION

- **Car owner: car driving license (B)**
- Marital status: unmarried