



# Sara Bottausci

I am a first year Phd student at University of Bologna.  
My research is about waste management, circular economy, life cycle assessment analysis and international cooperation.

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Department of Civil, Chemical, Materials and Environmental Engineering (DICAM)  
University of Bologna.

**Mobile:**  
+393473542360

**Email:**  
Sara.bottausci2@unibo.it

**Address:**  
Strada Provinciale Pilonico Paterno 16, Perugia

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## Work Experience

### PhD Candidate

**Alma Mater Studiorum - University of Bologna (Italy) | November 2020 - Present**

- Waste management in low and middle income countries;
- Circular economy models;
- Life Cycle Thinking studies;

### Guest Trainer

**Fondazione Alma Mater (Italy) | July 2021**

Organization of environment based workshops for children at summer camps:

- Waste characteristics and management;
- Waste hierarchy;
- Parks clean up days;

### LCA Support

**Cellugy - Aarhus (Denmark) | November 2019 - January 2020**

- Life Cycle Assessment analysis of the product production;
- Scouting for new suppliers;

### EHS Intern

**Ariston Thermo Group - Fabriano (Italy) - January 2019 - July 2019**

I was part of the central team of Health, Safety and Environment, working with national and international compliance, ISO 14001 and OHSAS 18001.

- EHS KPIs;
- OPL (One Point Lesson);
- WHP - Work Place Health Promotion;
- Two internal audits;

### Research Intern

**Georghe Asachi Technical University of Iasi (Romania) | February 2018 - July 2018**

"A sustainable approach for plastic processing industry: focus on PVC".

Master's thesis project developed in collaboration with the University of Iasi (Romania).

I applied the LCA (life cycle assessment) methodology to a PVC compound making use of the GaBi software.

### Junior Graduate Intern

**PAN Engineering Studio - Perugia (Italy) - January 2016 - March 2016**

I was a support intern for a new project: restructure of a petrol station.

# Academic History

## Summer Schools

- **DTU Environment - EASETECH course (Copenhagen, Denmark - online) | June 2021** - Life Cycle Assessment Modelling of Solid Waste;
- **Virtual PhD Summer School and Executive Training on Solid Waste Management (Thessaloniki, Greece) | June 2021**
- **International Summer School (Brescia, Italy - online) | June 2021** - Circular Economy in low and middle income countries: focus on water & waste;
- **GE Academy (Valencia, Spain - online) | June 2021** - Gender, Cities and Planning Processes: Engendering Research in climate, energy and mobility
- **Advanced Water Cycle Management Course (Aarhus, Denmark) | August 2019** - Focus Areas: Groundwater, Water Distribution, Wastewater

## University of Bologna (Italy)

**Master of Science | Sept 2016 - Oct 2018**

**Earth Resources Engineering - Circular Economy**

- Water engineering - supply, drainage, uncertainty & risk; drought & flood prevention; contamination processes
- Reclamation of land and water - biotechnology solutions;
- Waste management - zero waste goal;

## Technical University of Iasi (Romania) | Feb 2018 - July 2018

**Erasmus exchange and final thesis project - "A sustainable approach for plastic processing industry: focus on PVC"**

- Industrial ecology;
- Sustainable energy production;
- Electromagnetic pollution - Data acquisition and teletransmission;

## University of Perugia (Italy)

**Bachelor's degree | Sept 2012 - Dic 2015**

**Civil Engineering**

- Construction Engineering;
- Hydraulic Engineering;
- Topography;
- Architectural design;

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## Awards

A sustainable approach for plastic processing industry: focus on PVC\* - First prize.

## Certifications

- Member of the Italian Professional Association of Engineers (District: Bologna) - Civil and Environmental (2019);
- Member of the Italian Association of Life Cycle Assessment - Rete LCA (2020);
- Occupational Health & Safety certificate;

## Languages

- **Italian:** Native
- **English:** Fluent
- **Spanish:** Upper - Intermediate
- **Catalan:** Intermediate

## Digital Skills

- Microsoft Office - Excellent
- QGIS - Good
- SWMM and Epanet - Good
- R - studio - Good
- Gabi software - Good
- SimaPro - Good
- Modflow and Modelmuse - Basic
- Autocad - Good
- Matlab - Basic
- Adobe photoshop - Basic
- Python - Learning
- OpenLCA - Good
- EASETECH - Good