

# Curriculum Vitae



## Personal information

Name **Chiappero Marco**  
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Place and date of birth Italy, 09/02/1993

## Work experience

**June 2018 – October 2018** **Research assistant**  
*DIATI, Politecnico di Torino, Turin, Italy*  
Optimization of biogas production by anaerobic digestion at 20 °C for the stabilization of wastewater sludge by means of thermo-chemical pre-treatments.

**August 2017 – December 2017** **Graduate Research Trainee**  
*Department of Civil Engineering, McGill University, Montreal, Canada*  
Collection of samples, conduction of pre-treatments, anaerobic digestion tests, and physico-chemical characterization of liquid samples and biogas.

**March 2017 – May 2017** **Internship**  
*Alpi Acque S.p.a., Savigliano (CN) Italy*  
Energy balance of three wastewater treatment plants. Drafting of documents and communications for control authorities.

## Education and training

**November 2018 – present** **PhD student in Environmental and Civil Engineering**  
*Politecnico di Torino, Turin, Italy*  
Optimization of biogas production from different organic waste biomass by biochar supplementation.

**December 2015 – March 2018** **Master of Science Degree in Environmental and Land Engineering (110/110 cum laude)**  
*Politecnico di Torino, Turin, Italy*  
• Company environmental management and environmental legislation; Occupational health and safety management; Wastewater and drinking water treatment systems; Treatment and management of wastes; Management of air emissions; Reclamation of polluted sites; Life cycle assessment (LCA)  
• Thesis: "Low temperature anaerobic digestion of wastewater sludge"

**August 2012 – December 2015** **Bachelor of Science Degree in Environmental and Land Engineering (101/110)**  
*Politecnico di Torino, Turin, Italy*  
Thesis: "Misura ad ultrasuoni in una statua egizia"

September 2007 – July 2012 | **High School Diploma, Maturità di Liceo Scientifico (100/100)**

Liceo Scientifico Marie Curie, Pinerolo (TO), Italy  
Specialization: Piano Nazionale Informatico (PNI)

## Certifications

2018, session II | **State examination to practise the profession of engineer**

*Politecnico di Torino, Turin, Italy*  
Civil and Environmental sector, section A

May 2015 | **International English Language Testing System (IELTS) (score 6.0)**

*British Council*

## International Conferences

September 15-20, 2019 | **Bio-Char II: Production, Characterization and Applications, An ECI Conference Series**

*Cetraro (CS), Italy*

Oral presentation: "Review of biochar application in anaerobic digestion processes".

May 21-23, 2018 | **SUM 2018, Fourth Symposium on Urban Mining**

*Bergamo, Italy*

Poster presentation: "Investigation of pre-treatments for psychrophilic anaerobic digestion of waste activated sludge".

## Publications

Chiappero, M., Demichelis, F., Lin, X., Liu, C., Frigon, D., Fiore, S., 2019. Investigation of pre-treatments improving low temperature anaerobic digestion of waste activated sludge. *Process Saf. Environ. Prot.* 131, 28–37. <https://doi.org/10.1016/j.psep.2019.08.034>

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Date:  
16/06/2020