

## Personal information

Surname / First name **PERTEGHELLA Andrea**  
 Address  
 Telephones  
 E-mail  
 Skype  
 Nationality  
 Date and place of birth  
 Gender

## Work experience

Dates  
 Occupation or position held  
 Main activities and responsibilities

April 2015 –  
 Post-doc Fellowship  
 Main duties:

- Healthcare waste production and management assessment of two different Italian Hospitals located in Bergamo (BG) and Montichiari (BS)
- Mass balance pollutants and process efficiency evaluation of waste water treatment plant equipped with Membrane Biological Reactor (MBR)
- Technical support to the project "Una filiera sostenibile del risanamento: le soluzioni di mercato come risposta ai problemi di accesso ai servizi igienici di base nella provincia di Maputo, Mozambico" (Mozambique), implemented by University of Brescia and Fondazione ACRA-CCS
- Technical support to the project "Miglioramento delle condizioni sanitario-ambientali nel Governatorato di Tulkarem attraverso il supporto alla raccolta e il riciclaggio dei rifiuti e la riabilitazione di discariche abusive – Green Tulkarem" implemented by University of Brescia and Fondazione Cesvi
- Didactic activities supporting the master degree in Civil and Environmental Engineering course "Building Techniques of Sanitary and Environmental Plants"
- Co-supervisor of a master degree student for a thesis project about the healthcare waste management analysis of the "Papa Giovanni XXIII" hospital in Bergamo (Italy)
- Co-supervisor of a bachelor degree student for a thesis project about the Membrane Biological Reactor (MBR) efficiency analysis in Montichiari (BS) wastewater treatment plant
- Co-supervisor of a bachelor degree student for a thesis project about the Membrane Biological Reactor (MBR) efficiency analysis in Barbarano Vicentino (VI) wastewater treatment plant
- Co-supervisor of a bachelor degree student for a thesis project about the Composting plant data monitoring analysis in Maxixe (Mozambique)
- Co-supervisor of a master degree student for a thesis project about the healthcare waste management analysis of the Montichiari hospital (Italy)

Name and address of employer

University of Brescia – Faculty of Engineering  
 Department of Civil Engineering, Architecture, Land, Environment and of Mathematics  
 Via Branze 43, 25123 Brescia, Italy  
 Academic

Type of business or sector

Dates  
 Occupation or position held

November 2013 – May 2014  
 Technical consultant for LDA Onlus, Local Democracy Agency in Zavidovici (Bosnia and Herzegovina)

Main activities and responsibilities

- Main duties:
- Technical evaluation of the municipal solid waste management system of Zavidovici city (Bosnia and Herzegovina)
  - Design and evaluation of technical solutions in order to improve the municipal solid waste management system of Zavidovici city (Bosnia and Herzegovina).

Name and address of employer	<ul style="list-style-type: none"> <li>Assessment of economic, social and environmental impacts of the proposed solutions in Zavidovici city</li> </ul>
Type of business or sector	ADL Zavidovici Onlus. Via dei Mille 18, 25122 Brescia International cooperation
Dates	April 2013 – May 2014
Occupation or position held	Technical consultant for the project "Environmental protection of urban and peri-urban areas. A project for the Maxixe municipality- Mozambique"
Main activities and responsibilities	Main duties: <ul style="list-style-type: none"> <li>Study and evaluation of the biological process for the composting plant of Maxixe city (Mozambique)</li> <li>Start-up and monitoring of Maxixe composting plant</li> <li>Technical training for the local operators concerning the composting process management practices</li> <li>Evaluation of coconut sawdust recovery using pelletization and gasification technologies in order to improve the energy access at household level</li> </ul>
Name and address of employer	CeLIM NGO Via San Calimero 11/13, 20122 Milan
Type of business or sector	International cooperation
Dates	April 2010 – January 2011
Occupation or position held	Intern
Main activities and responsibilities	Main duties: <ul style="list-style-type: none"> <li>Determination of the kinetic constants of a thermophilic sludge by means of respirometric tests (OUR: oxygen uptake rate)</li> <li>Determination of the biodegradability rate of industrial liquid wastes</li> <li>Physical-chemical analyses of thermophilic sludge and industrial liquid wastes (COD, ammonia, nitrate, nitrite, pH, TSS and VSS)</li> </ul>
Name and address of employer	IDROCLEAN S.p.A. Via dell'Industria 13/14/15 - 24040 Casirate d'Adda (BG), Italia
Type of business or sector	Industrial waste treatment facility
<b>Education and training</b>	
Dates	May 2015 –
Title of qualification awarded	<i>Master in Health, Safety and Environment (HSE)</i>
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> <li>ISO 9001 - Quality management systems</li> <li>ISO 14001 - Environmental management systems</li> <li>OHSAS 18001:2007 - Occupational Health and Safety Assessment Series</li> </ul>
Name and type of organisation providing education and training	ALMA LABORIS Via Nazionale n. 45 - 84016 Pagani (Salerno)
Dates	January 2012 – April 2014
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	PhD thesis on "An Integrated Assessment Scheme supporting decision making in waste management in low and middle-income countries", defended in April 14 <sup>th</sup> 2015 (full marks) Main duties: The research activities concern material recovery from municipal solid wastes in developing countries: <ul style="list-style-type: none"> <li>Technical comparison between composting and anaerobic digestion of the organic fraction of municipal solid waste in developing countries, within an international joint research between the University of Brescia (Italy) and Eawag/Sandec, Department of Water and Sanitation in Developing countries (Switzerland)</li> <li>Material recovery from municipal solid waste in developing countries</li> <li>Monitoring and assessment of the composting plant in Maxixe district (Mozambique)</li> <li>Technical, environmental and economic evaluation of the waste management system in Zavidovici city (Bosnia and Herzegovina)</li> </ul>

Name and type of organisation providing education and training	PhD Course on "Appropriate Methods and Technologies for International Development Cooperation" University of Brescia – Faculty of Engineering Department of Civil Engineering, Architecture, Land and Environment Via Branze 43, 25123 Brescia, Italy
Dates	June 2014
Title of qualification awarded	Certification of attendance to the EASETECH training course
Principal subjects/occupational skills covered	Life cycle assessment modelling of solid waste systems application of the easetech model
Name and type of organisation providing education and training	Danmarks Tekniske Universitet – DTU Kgs. Lyngby, Denmark
Dates	February 2012
Title of qualification awarded	Engineer
Principal subjects/occupational skills covered	Qualification for the Board of Professional Engineers
Name and type of organisation providing education and training	University of Brescia – Faculty of Engineering, Brescia, Italy Board of Professional Engineers of Brescia, Brescia, Italy
Dates	September 2008 – October 2011
Title of qualification awarded	MSc – Master degree in Environmental Engineering (grade 107/110)
Principal subjects/occupational skills covered	Drinking water, industrial and urban wastewater, solid and liquid waste treatments / technologies / management / design; contaminated soil remediation; hydraulic Title of the final project: "Respirometric tests for kinetic parameters evaluation and process modelization of thermophilic sludge"; tutor Prof. Giorgio Bertanza
Name and type of organisation providing education and training	University of Pavia – Faculty of Engineering Pavia, Italy
Dates	July 2010
Title of qualification awarded	Certificate of attendance to the course as a SAFETY COORDINATOR DURING DESIGN AND EXECUTION PHASE OF A PROJECT
Principal subjects/occupational skills covered	Safety at work during execution phase of a project (Italian Legislative Decree 2008/81)
Name and type of organisation providing education and training	University Foundation of Mantova (Italy) Via Scarsellini, Mantova (Italy)
Dates	September 2005 – September 2008
Title of qualification awarded	BSc – Bachelor degree in Environmental Engineering (grade 101/110)
Principal subjects/occupational skills covered	Analysis of pollution phenomena and control of environmental quality; planning and management of hydraulic works (waterworks, drainage systems, water treatment systems) relating to water cycle in urban ambit; planning and management of waste treatment systems; planning of hydraulic works for the arrangement of hydrographical basins Title of the final project: "Operating tests on a wastewater treatment plant: sludge settleability and aeration system efficiency"; Prof. Giorgio Bertanza
Name and type of organisation providing education and training	University of Pavia – Faculty of Engineering Pavia, Italy
Dates	September 2000 – September 2005
Title of qualification awarded	High-school Diploma in Mechanical technologies
Principal subjects/occupational skills covered	Mathematics, physics, chemistry, material properties, techniques of mechanical processing
Name and type of organisation providing education and training	Istituto Tecnico Industriale statale "E. Fermi" - Mantova (Italy)

## Personal skills and competences

Mother tongue(s)  
Other language(s)

Italian  
English, Spanish

Self-assessment  
European level (\*)

English

Spanish

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1 - Proficient User	C1 - Proficient User	C1 - Proficient User	C1 - Proficient User	C1 - Proficient User
A2 - Elementary User	A2 - Elementary User	A1 - Basic User	A1 - Basic User	A2 - Elementary User

(\*) Common European Framework of Reference (CEFR) level

## Organisational skills and competences

- Technical consultant on behalf of ADL Zavidovici ONLUS
- Technical consultant on behalf of CeLIM NGO for the project: "Protection of the urban and peri-urban areas. A project for the municipality of Maxixe - Mozambique"
- Organisation of international and national training courses / seminars / conferences at CeTAmb (Research Laboratory on Appropriate Technologies for Environmental Management in resource-limited Countries) - University of Brescia

## Computer skills and competences

- Microsoft Office (Word™, Excel™, PowerPoint™)
- AutoCAD
- Internet navigation

## Technical skills and competences

### Wastewater & Drinking Water

- Conventional and advanced treatment processes application and optimisation
- Design and operational management of wastewater and drinking water treatment plants
- Water quality analysis

### Industrial and special wastes

- Determination of the biodegradability rate for industrial liquid waste
- Design and development of appropriate technologies for municipal solid waste management in developing countries

## Relevant capacity and experience

- Ability to initiate and conduct applied and interdisciplinary researches independently
- Good communication skills acquired during the University work: as mediator among different stakeholders (University, NGOs and other Organisations/Associations) and as co-lecturer in several MSc and BSc courses at the University of Brescia
- Assistant to "Building techniques of sanitary and environmental plants" at the University of Brescia (MSc and BSc degree)

## Other skills and competences

- Good ability to work in multiethnic and multicultural environments
- Good adaptation to live in foreign Countries (developed and developing)
- Travelled widely

## International Conferences speaker

- C. Collivignarelli, A. Perteghella, M. Vaccari. Composting of organic fraction of municipal solid waste: a pilot plant in Maxixe district, Mozambique. Venice 2014, Fifth International Symposium on Energy from Biomass and Waste, Island of San Servolo, Venice, Italy; 17-20 November 2014, CD-Rom
- F. Vitali, A. Perteghella, M. Pilotelli, M. Vaccari. Agricultural waste as energy source: a technology to exploit rice husk in effective-improved-cookstoves. Venice 2014, Fifth International Symposium on Energy from Biomass and Waste, Island of San Servolo, Venice, Italy; 17-20 November 2014, CD-Rom

*Driving License*

Holder of European driving license - Category B, vehicles

In consideration of the Italian Law 196/03 and its later changes, I give my consent to the treatment of my personal data for your recruitment needs.

*Perteghella Andrea*