



Current Position

Education and Training

- Date
- Name and type of organization providing education and training

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Work Experiences

- Date
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

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Personal Information

First name/Surname: **Martina Gizzi**

Address: Via del Temo 12/3, 10020 Cambiano (Turin – Italy)

Telephone/Mobile: 0119442167 - 3493420512

E-mail: martina.gizzi@polito.it; martinagizzi@mail.com

Date of birth: Turin, 01/11/1993

Nationality: Italian

Ph.D. STUDENT

Department of Environment, Land and Infrastructure Engineering (DIATI)
Politecnico di Torino, Torino, Italy

November 1st, 2018 - present

Politecnico di Torino, 24 Corso Duca degli Abruzzi, 10129 Turin (Italy)

Ph.D. IN URBAN AND REGIONAL DEVELOPMENT

PhD programme jointly activated by Politecnico di Torino and Università degli Studi di Torino

October 15th, 2015 - April 13th, 2018

MASTER'S DEGREE IN APPLIED GEOLOGICAL SCIENCE (LM 74)

The University of Turin, Department of Earth Sciences. 35 Valperga Caluso st. 10125 Turin (Italy)
Master's degree thesis in Hydrogeology and Quaternary Geology: "Geological and hydrogeological characterization of springs in a DGPV context (Rodoretto Valley, Western Alps)"

September 30th, 2012 - October 15th, 2015

FIRST CYCLE DEGREE IN GEOLOGICAL SCIENCE (L 34)

The University of Turin, Department of Earth Sciences. 35 Valperga Caluso st. 10125 Turin (Italy)
Thesis in Quaternary Geology: "Geological and mineralogical characterization of fluvial silty-clay deposits of the Fornace Carena of Cambiano (Turin)"

September 15th, 2007 - June 30th, 2012

SCIENTIFIC HIGH SCHOOL DIPLOMA

Scientific High School Augusto Monti, 5 Montessori St, 10023 Chieri (Turin)

March 10th, 2021 – present

Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, Torino

TEACHING ASSISTANT

Teaching assistant of the course of Componenti e contenuti della pianificazione di area vasta - La componente idrogeologica nel piano di area vasta) (Master's degree in Territorial, Urban and Landscape-Environmental Planning)

March 10th, 2020 – September 30th, 2020

Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, Torino

TEACHING ASSISTANT

Teaching assistant of the course of Protezione Civile (Master's Degree in Environmental and Land Engineering)

September 30th, 2019 – February 28th, 2021

Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, Torino

TEACHING ASSISTANT

<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Teaching assistant of the course of Petroleum and mining geology (Master's Degree in Petroleum and Mining Engineering)</p>
<ul style="list-style-type: none"> • Date 	<p>June 1st, 2017 –October 31st, 2018</p>
<ul style="list-style-type: none"> • Name and address of employer 	<p>Munlab- Ecomuseum of clay. 50 Camporelle st. 10020 Cambiano (Turin)</p>
<ul style="list-style-type: none"> • Occupation or position held 	<p>VOLUNTEER</p>
<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Reception and guidance of the visitors into the silty-clay quarry the “Fornace Laterizi Carena, Cambiano”; organization of workshops for students in collaboration with the Politecnico di Torino and the University of Turin.</p>
<ul style="list-style-type: none"> • Date 	<p>March 15th, 2017 – June 30th, 2017</p>
<ul style="list-style-type: none"> • Name and address of employer 	<p>Munlab- Ecomuseum of clay. 50 Camporelle st. 10020 Cambiano (Turin)</p>
<ul style="list-style-type: none"> • Occupation or position held 	<p>INTERNSHIP</p>
<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Development of a geological and geomorphological path into the silty-clay quarry of the “Fornace Laterizi Carena, Cambiano”.</p>
<ul style="list-style-type: none"> • Date 	<p>February 20th, 2016 – September 20th, 2016</p>
<ul style="list-style-type: none"> • Name and address of employer 	<p>The University of Turin, Department of Earth Sciences. 35 Valperga Caluso st., 10125 Turin</p>
<ul style="list-style-type: none"> • Occupation or position held 	<p>STUDENT TEACHING ASSISTANT</p>
<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Student teaching assistant for the course of Paleontology (GEO/01).</p>
<ul style="list-style-type: none"> • Date 	<p>November 15st, 2015 – December 15th, 2015</p>
<ul style="list-style-type: none"> • Name and address of employer 	<p>EnviCons s.r.l, 21 Lungo Po Antonelli st., 10153. Turin.</p>
<ul style="list-style-type: none"> • Occupation or position held 	<p>INTERNSHIP</p>
<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Photo-interpretation of the natural and anthropic territory by using GIS (ArcGis) tools – “Terrestrial Habitat Mapping of the Republic of Croatia” project – Republic of Croatia/ Ministry of Environmental and Nature Protection.</p>
<ul style="list-style-type: none"> • Date 	<p>March 15th - July 15th, 2015</p>
<ul style="list-style-type: none"> • Name and address of employer 	<p>Fornace Laterizi Carena s.r.l, 50 via Camporelle st, 10020 Cambiano (TO)</p>
<ul style="list-style-type: none"> • Occupation or position held 	<p>INTERNSHIP</p>
<ul style="list-style-type: none"> • Main activities and responsibilities 	<p>Geological survey and sampling to carry out a geological and mineralogical analysis (XRD technique) of silty-clay deposits of the “Fornace Laterizi Carena” quarry.</p>
<p>International Reviews Published Papers</p>	<p>[3r] 2021 CERINO ABDIN E., TADDIA G., GIZZI M., LO RUSSO S. Reliability of spring recession curve analysis as a function of the temporal resolution of the monitoring dataset. <i>Environ Earth Sci</i> 80, 249 DOI: https://doi.org/10.1007/s12665-021-09529-2</p> <p>[2r] 2021 GIZZI M., TADDIA G., LO RUSSO S. Reuse of decommissioned hydrocarbon wells in Italian oilfields by means of a closed-loop geothermal system. <i>APPL. SCI.</i> 2021, 11, 2411. ISSN:2076-3417 DOI: https://doi.org/10.3390/app11052411</p> <p>[1r] 2020 GIZZI M., TADDIA G., CERINO ABDIN E., LO RUSSO S. Thermally Affected Zone (TAZ) Assessment in Open-Loop Low-Enthalpy Groundwater Heat Pump Systems (GWHPs): Potential of Analytical Solutions. <i>GEOFLUIDS</i>. Wiley-Hindawi ISSN: 1468-8115 DOI: https://doi.org/10.1155/2020/2640917</p>
<p>National Reviews Published Papers</p>	<p>[2rn] 2020 LO RUSSO S., GIZZI M., TADDIA G. Abandoned oil and gas wells exploitation by means of closed-loop geothermal systems: a review, <i>GEAM GEOINGEGNERIA AMBIENTALE E MINERARIA</i>, vol. 160 (2) pp.3-11, ISSN: 1121-9041 WOS:000593147500001 SCOPUS: 2-s2.0-85097498357</p> <p>[1rn] 2019 TADDIA G., CERINO ABDIN E., GIZZI M., LO RUSSO S., Groundwater heat pump systems diffusion and groundwater resources protection, <i>GEAM GEOINGEGNERIA AMBIENTALE E MINERARIA</i>, vol. 156 (1) pp. 46-54, ISSN: 1121-9041</p>

Book chapters

[1bc] 2020 **GIZZI M.**, LO RUSSO S., FORNO M.G., CERINO ABDIN E., TADDIA G. Geological and Hydrogeological Characterization of Springs in a DSGSD Context (Rodoretto Valley – NW Italian Alps). In: De Maio M., Tiwari A. (eds) Applied Geology, Springer, Cham. ISBN: 9783030439521, DOI: 10.1007/978-3-030-43953-8_1

International congress proceedings with peer-review

[2c] 2021 **GIZZI M.**, TADDIA G., LO RUSSO S. Potential and limits of using analytical solutions for Thermally Affected Zone (TAZ) assessment in Open-Loop Groundwater Heat Pump Systems. In: 12th European Geothermal Ph.D Day 2019, Cergy Paris University & University of Neuchâtel (France) 15th-16th February 2021

[1c] 2019 **GIZZI M.**, LO RUSSO S., TADDIA G., CERINO E. Reuse of abandoned Oil&Gas wells for geothermal energy production. In: 10th European Geothermal Ph.D Day 2019, Potsdam (Germany) 25th-27th February 2019, pp. 37-38

National Congress proceedings with peer-review

[3cn] 2019 TADDIA G., **GIZZI M.**, LO RUSSO S., CERINO ABDIN E. Reliability of spring recession curve analysis considering different time range monitoring datasets. In: XI Convegno dei Giovani Ricercatori in Geologia Applicata - Atti di Convegno, Matera (Italy), 19-21 September 2019

[2cn] 2019 TADDIA G., LO RUSSO S., CERINO ABDIN E., **GIZZI M.** Thermodynamical assessment of GWHPs: compare with analytical and numerical simulations approach. In Flowpath 2019, National Meeting on Hydrogeology Conference Proceedings, Milano 12-14 June 2019, pp. 249-251, ISBN: 978-88-5526-012-1

[1cn] 2018 TADDIA G., **GIZZI M.**, FORNO M.G., LO RUSSO S. Geological and hydrogeological characterization of springs in a DSGSD context (Rodoretto Valley – NW Italian Alps). In: AIGA book of abstract 6th National Meeting AIGA, Courmayeur (Italy).

Professional training courses

QGIS base level: introduction to GIS and territorial data management (Geoprofessioni sas)

QGIS advance level: application and production of geographic information (Geoprofessioni sas)

Geological cross-section construction (Professional Geoscience Trainings)

Sedimentary basins in the Oil&Gas exploration context (Professional Geoscience Trainings)

Energia Geotermica - Progettazione e Realizzazione di sistemi di Geoscambio (A-FOR - Ordine dei geologi della Campania)

Decommissioning: chiusura, messa in sicurezza, demolizione o riconversione parziale o integrale di strutture off-shore (GEAM – Associazione Georisorse e Ambiente)

Geotermia a bassa entalpia: introduzione ai sistemi geotermici (Geoprofessioni sas)

Geotermia a bassa entalpia: approfondimento e dimensionamento dei sistemi geotermici (Geoprofessioni sas)

Personal Skills and Competences

Mother Tongue

Italian

Other Languages

English

Communication skills

European level: B2. International English Language Testing System (IELTS) Certificate

Good command of presentation and communication skills.

I developed good teamwork skills after working in several group projects during my course of study.

Computer skills

Eipass: European Informatic Passport (7 MODULI USER)

Good command of Microsoft Office Tools, mathematical scientific software (Geogebra, Maple 16, Matlab Software).

Good command of graphic-design software (Adobe Illustrator, Adobe Photoshop)

Good command of technical and scientific software (Arcgis, QGIS).

Additional information

Driving license B category

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D.Lgs. 196/2003