

# Riccardo Maria Ridolfi



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## Magistral degree in Applied Geology

Curriculum Vitae "for publication purposes" pursuant to d.lgs. n. 33/2013 and to d.lgs. n. 97/2016

### GENERAL INFO

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Birth date: 17-07-1993

Nationality: Italian

### OVERVIEW

Through my studies and work experience, I have refined linguistic and management skills, obtaining a deep knowledge of geosciences and learning to carry out individual and group projects. I am fond of outdoor activities such as trekking and climbing, and I delight in woodturning.

### EDUCATIONAL BACKGROUND

#### Magistral Degree in Engineering, Territory and Risk Geology

**University of Rome "La Sapienza"** [ 2017 – 2020 ]

<https://corsidilaurea.uniroma1.it/it/corso/2020/30863/home>

- Final vote: 110/110 cum laude
- Thesis subject: Structural Geology
- Thesis title: Geochemical characterization of the northern sector of the Sulmona Plain and correlation with the geological structure of the area

#### Bachelor's Degree in Geological Sciences

**University of Rome "La Sapienza"** [ 2012 – 2016 ]

<https://corsidilaurea.uniroma1.it/it/corso/2020/30859/home>

- Final vote: 105/110
- Thesis subject: Applied Geology
- Thesis title: Geotechnical characterization of a quarry front at the Fioranello Quarry

#### Traditional Scientific High School Graduation

**Liceo Scientifico Statale Louis Pasteur** [ 2007 – 2012 ]

<https://www.liceopasteur.edu.it/>

- Final vote: 94/100

### CERTIFICATES AND COURSES

**Business English 2 Course (2018) - Ente Bilaterale del Turismo del Lazio (EBTL)**

**Training course for Tutor DSA (2013) - Ass.ne Nuovi Apprendimenti**

**FCE - First Certificate in English (2011) - University of Cambridge, ESOL Examination**

- Qualification achieved: B2 Independent of the Common European Framework

**PET - Preliminary English Test (2009) - University of Cambridge, ESOL Examination**

- Qualification achieved: B1 Preliminary of the Common European Framework

**Study trips - INPS (ex INPDAP)**

- Letterkenny Institute of Technology (LYIT), Northern Ireland (2010)
- Dundee Stafford House, Scotland (2008)

### LANGUAGE SKILLS

**Mother language:** Italian

**Other languages:** English (B2), Spanish (scholastic)

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## WORK EXPERIENCE

### **Researcher on external collaboration contract**

**University of Rome "La Sapienza", Earth Sciences Department** [ 01/08/2021 – 01/10/2021 ]

In the wake of the magistral thesis project, thanks to this collaboration with the Tectonic and Fluid Chemistry Laboratory of the DST-Sapienza, I consolidated my abilities in geochemical sampling and analysis. During this period, I used highly technical equipment, both for site operations (e.g., the Durrige Rad7 radon detector, the Dräger X-am 7000 multigas detector, and the soil fluxmeter with accumulation chamber) and for laboratory analysis (e.g., Carlo Erba mod. GC8000 series gas chromatograph and Varian Helium Leak Detector 938-41 mass spectrometer). In collaboration with Dr. S.E. Beaubien, in these months I actively participated in two sampling campaigns, in the Regions of Basilicata and Abruzzo, to assess the presence of deep buried fault structures and for environmental monitoring purposes respectively.

### **Night concierge**

**Enerjem SRL - Scalinata di Spagna Hotel** [ 23/01/2016 – 30/09/2020 ]

During this period, I carried out front desk and surveillance tasks, managing the processing and storage of data gathered from the guests (mostly in English language), and programming the staff work through the tools of the Microsoft Office package.

### **Polling station teller**

**Municipality of Rome** [ 2013 ]

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## PROJECTS

### **Geochemical characterization of the northern sector of the Sulmona Plain and correlation with the geological structure of the area.**

Held as part of the magistral thesis project, this activity allowed me to learn and apply the procedures of sampling and analysis of soil. In particular, I managed the material and equipment needed for field analysis (a Durrige Rad7 radon detector, a Dräger X-am 7000 multigas detector, and a soil fluxmeter with accumulation chamber) and the one for the sampling of soil gases at a depth of about 70 cm from soil-air interface, carried out using manual insertion steel probes and the steel cylinders previously placed in vacuum conditions. I carried out a regional-scale campaign consisting of 179 sampling and measuring stations; then, at the TFC Lab of the DST-Sapienza, I carried out the analysis on the soil gas samples, using a Carlo Erba mod. GC8000 series gas chromatograph (to detect major gasses and light hydrocarbons) and a Varian Helium Leak Detector 938-41 mass spectrometer (to detect helium). The obtained dataset was then processed on a statistical and geostatistical basis through software such as TIBCO Statistica and ArcGis 10.5, in order to gain a deeper knowledge of the structural characteristics of the basin and to constitute a preliminary geochemical baseline for the northern sector of the Sulmona Plain.

**Geotechnical characterization of a quarry front at the Fioranello Quarry.** Three-year thesis project, for which I analyzed a basalt wall of the Fioranello Quarry used by outdoor climbers through the "rock mass rating" method proposed by Z. T. Bieniawski.

**Bioform Project "Genotyping exercises".** Held at the EBRI Foundation in 2010, I participated in this project as extracurricular activity during high school studies.

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## DRIVER'S LICENSES

**B** with effect from 01/06/2012 to 17/07/2027

**A2** with effect from 13/03/2017 to 17/07/2027

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**SKILLS**

*Microsoft Office package*

*Accuracy and care to details*

*ArcGis and QGis*

*Field work*

*Data management and organization*

*Soil gas analysis procedures and equipment*

*Procedures optimization*

*Problem solving*

*Individual and group working skills*

*Creativity and manual skills*

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**CONSENT TO THE  
PROCESSING OF  
PERSONAL DATA**

I authorize the processing of my personal data in this curriculum vitae pursuant to art. 13 of the Legislative Decree 30 June 2003, n. 196 Personal Data Protection Code and to art. 13 of the GDPR (UE Regulation 2016/679).

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