

Personal information

First name / Surname **Marco Cavaliere**

Nationality Italian

Address

e-mail _____

Tel.

Occupational field **Geologist**
Highest Education Level **M.Sc. in Geology and Applied Geology**

Work Experience

- Date 05/2019 – 06/2019
Name and type of organisation Green Scene New Zealand, in collaboration with Ministry for Primary Industries (New Zealand)
Past experience Field surveyor
Principal subjects covered Within the Biosecurity New Zealand's surveillance program, which has been investigating finds exotic pests in Auckland residential suburbs. Providing public support and surveying during alert regarding biohazard.
- Date 05/2018 – 11/2018
Name and type of organisation Pacific Rim Laboratories Inc., 19575 - 55A Avenue, Surrey, British Columbia, V3S 8P8, Canada
Past experience Laboratory Technician
Principal subjects covered Analyzed environmental and food samples to determine Persistent Organic Pollutants (PCDD/, PCB, PBDEs, OCPs, PAH, NP and TBT) using gas chromatography coupled with High Resolution Mass Spectrometry (GC-HRMS) and Mass Spectrometry (GC-MS/MS). Managed and executed Extraction, Concentration and Clean-Up on different matrices.
- Date 06/2012 – 08/2012
Name and type of organisation Cairns Mining, 90 Magazine Street, Stratford (Cairns), QLD, 4870, Australia.
Past experience Field Assistant/Data Collector/Exploration Geologist during a mining prospecting in Queensland, Australia.
Principal subjects covered Geological exploration in epithermal Au and Porphyry Cu systems. Geochemical surveys: XRF analysis "in situ" of soils. Geochemical data analysis. Arranging base camp in rural and remote areas.
- Date 01/2012 – 04/2012
Name and type of organisation CSIRO (Commonwealth Scientific and Industrial Research), 26, Dick Perry Avenue, Kensington, 6151, Perth, Western Australia, Australia
Past experience Internship (Minerals Down Under Flagship Discovery Intern Program). "Finding and characterizing fine gold fractions in anomalous dune soils: implications for exploration in Western Australia".
Principal subjects covered Laboratory activities: Analyzing soil samples, separating the different size fractions, SEM analysis. Data analysis: understand the distribution of the grain sizes, geographic range, mobilization mechanism of gold particles and their possible correlation with primary gold deposits in the Wongatha area.

Date 09/2010 – 03/2011

Name and address of employer Università di Napoli Federico II and Osservatorio Vesuviano – INGV (Istituto Nazionale di Geofisica e Vulcanologia)

Main activities and responsibilities Structural analysis in volcanic deposits. Measuring and analyzing faults and fracture trends in Campi Flegrei volcanic field.

Education

Date 10/2012 – 10/2016

Name and type of organisation Università di Napoli Federico II

Title of qualification awarded Master in Geology and applied Geology (Georesources and Territorial Management) (107 on 110) (Upper second class honours)

Principal subjects covered: 120 ECTS: Mining, Environmental geochemistry, Brownfield site characterization, Geochemical surveys, Environmental geology, Ores Genesis, Tectonic, Petrography, Data analysis.

Master thesis Final Thesis: "Environmental-Geochemical Follow-up in Soils of Cilento Area (Campania Region, Italy)". Supervisors: Professor Benedetto De Vivo, Professor Stefano Albanese

Geochemical mapping for potentially toxic elements in a 100 km² area of a World Heritage site. Geostatistical analysis (factor analysis, Concentration-Area fractal method) were applied in order to understand distribution patterns of the geochemical elements.

Date 03/2016 – 06/2016

University CUG (China University of Geosciences), Wuhan, Hubei, China

Project Scholarship for International Research.

Principal subjects Environmental geochemistry research using geostatistical software and modelling techniques (GeoDas, R) in order to distinguish anthropogenic anomalies from natural background of potentially toxic elements in soils.

Date 10/2015 – 11/2015

Title of qualification Erasmus Program +; Project EPOQUE (Environmental Portfolio for Quality in University Education)

Principal subjects 10 ECTS: Lectures and interactive workshops on the, environment, sustainability and environmental education.

Name of organizations involved University of Ioannina (Greece) in collaboration with: Università di Napoli Federico II (Italy), Helsinki Yliopisto (Finland), BEST (Austria), Projects in Motion (Malta)

Date 09/2013 – 06/2014

University Universidad de Granada (UGR), Granada, Spain

Title of qualification awarded Erasmus Program

Principal subjects/occupational skills covered Paleogeography of Andalusia Region, natural hazards in alluvial fan and fluvial environment, petroleum geology, science and technologies of industrial materials.

Date	09/2008 – 12/2011
University	Università di Napoli Federico II
Title of qualification awarded	Bachelor Degree in Geological Sciences (104 on 110) (Upper second class honours)
Principal subjects/occupational skills covered	180 ECTS: Mining, Mineralogy, Geochemistry, Petrography, Volcanology, Structural Geology, Meteorology, Applied Geophysics, Marine Geology, Geological Mapping, Georesources, Geomorphology, Sedimentary Geology, Applied Geology Geophysics, Paleontology, Math, Physic, Chemistry.
Bachelor Thesis	Final Thesis in Economic Geology, titled: "Correlations between Non-Sulphure Zinc ore deposits in Botswana and Namibia" Bibliographic reviews. Scanning electron microscope analysis on samples from Khiabe and Nxuu ores deposits (Botswana).

Publications in international journals

- Soil geochemical follow-up in the Cilento World Heritage Park (Campania, Italy) through exploratory compositional data analysis and C-A fractal model, 2018. Thiombane M., Zuzolo D., Cicchella D., Albanese S., Lima A., Cavaliere M., De Vivo B., Journal of Geochemical Exploration, vol.189, pp. 85-99 <http://dx.doi.org/10.1016/j.gexplo.2017.06.010>.
- Determination of micro and nanoparticulate fraction gold in regolith, Noble R., Cavaliere M., Morris P., Pinchand T., Hough R, 2013. Explore: Newsletter for the Association of Applied Geochemists, 159, pp 1-13.
- Fault and fracture analysis in the Campi Flegrei Caldera, Vitale S., Isaia R., Arfè G., Candela S., Cavaliere M., Meoli A., 2011. Rendiconti online Soc. Geol. It., Vol. 15, pp. 129-130.

Other publication

Il breve ritorno di Colapesce, Marco Cavaliere, short stories collection published by Pietro Macchione Editore, 2017 (Premio Chiara Inediti Award)

Other skills and competences

Mother tongue	Italian
Other languages	English: Fluent (IELTS Academic Test, April 2018, overall score 7) Spanish: Fluent
Safety certification	August 2018, WHMIS (Workplace Hazardous Materials Information System), 2015 Safety. Material safety data sheets; emergency procedures; workplace/supplier labels; pipemarking
Social skills	I am a flexible and sociable person. I get along well with people and love working in group. Field duties and the remote area location where I worked contributed in forming my independent disposition. I like travelling and visiting new places because it is a way to relate myself with different cultures and people.
Organisational skills	During my professional and studying experiences, especially during the Erasmus Program and the Internship at CSIRO, I developed exceptional organisational skills as I always had to deal and relay on other peoples' work. I have also worked in multicultural teams, and it has always encouraged me to do my best.
Computer skills and competences	Competent for Word, Excel, Power Point, Internet and other Microsoft Office programs. Excellent knowledge of ArcGis Good knowledge of GeoDas, R Basic knowledge of MatLab and AutoCAD
Artistic skills and competences	Creative writing and environmental journalism
Sports	Kayaking, hiking, swimming, freediving
Driving licence and experience	European Driving Licence: Motorcycle (A1), Cars (B) I am comfortable to drive 4wd on not sealed roads.