

EDUCATION

- *2014-2017, PhD* in Earth Sciences, University of Camerino, on “Chemical and petrological characterization of municipal solid waste bottom ash: a comparison with volcanics products”.
- *2011, MSc* 86s in Earth Sciences, University of Genova, on” The causes of pollution in the Rosia Montana Mine & in the surrounding environment” (102/110).
- *2009, BSc* in Science, University of Genova, on “Structural Analysis on Sestri-Voltaggio Zone” (101/110).

WORK EXPERIENCE

- May 2012 – Present Geologist (Ordine Regionale dei Geologi della Liguria)
- October 2017 – Present Member of GEOMORE (Spinoff UNICAM)
- April 2017 – Present Cultore della Materia GEO/07
- October 2018/ January 2019 Research grant; UNICAM, Camerino (MC) “Analisi di materiali di scarti industriali”
- January 2018/ July 2018 Research grant; UNICAM, Camerino (MC) “Materiali per l’edilizia e molte”: diffrazione RX e preparazione di sezioni sottili e analisi mineralogiche di rocce, malte storiche e materiali di waste ai fini della loro caratterizzazione qualitativa, quantitativa, strutturale e tessiturale.
- June 2017/ September 2017 Research grant; UNICAM, Camerino (MC) “Analisi petrografica e microchimica di rocce ignee”: diffrattometria RX, analisi microscopica mineralogico composizionale di rocce ignee e preparazione di sezioni sottili.
- September 2015/ January 2017; participation to LIFE ECOTILES project (Main resp. Eleonora Paris)
- June 2014/July2014 Research period at the LMU (University of Munich, Germany)
- 2010-2014, Geologist at S.A.G.A. (Genova, Italy)

(Analysis at main facilities)

5-7 December 2016	Bulk analysis on research products at University of Padova (EMPA)
20 July 2016	Bulk analysis of minor elements on research products at University of Perugia (Laser Ablation).
9-12 May 2016	Bulk analysis on research products at University of Firenze (EMPA)
24-25 November 2015	Bulk analysis on research products at University of Roma la Sapienza (EMPA)

(Courses and schools)

March – July 2018	Percorso formativo 24 CFU
20-22 February 2017	Logitech training course on petrographic thin sections-Logitech (Glasgow).
October 2015-February 2016	English class CAE (Certificate in Advanced English).
12 June 2014	Seminar on Raman spectroscopy (University of Bologna)

(Conferences and Workshops)

11 May 2018	Participant at final event of LIFE ECOTILES project on “Nuovi materiali ecosostenibili dai rifiuti: sinergie di successo tra industrie e università”
11-15 September 2016	Participant with oral communication at 2 nd European Mineralogical Conference (Rimini, Italy).
5-8 June 2016	Participant with poster communication at EMPG (Experimental Mineralogy Petrology and Geochemistry) XV Conference, Zurich.
19 May 2016	Carrara Marmotec exhibition 2016 (Italy).
2-4 September 2015	Conferenza SIMP- SGI- So. Ge.I.- AIV, Florence 2015.

LANGUAGE SKILLS

Italian	Native
English	Oral : good - Written:good

COMPUTING

Good knowledge MS Office, Kaleidagraph, IgPet, Vectorworks, Pages.

Basic knowledge Corel Draw, Table curve, Qgis, Autocad.

OTHERS

ECDL certification

PEKIT expert certification

EXPERIMENTAL SKILLS

- Handling of cold-seal pressure vessels (CSPV) and internal heated pressure vessels (IHPV) for synthesis at elevated temperatures and pressures of silicate glasses.
- Basic knowledge of piston cylinder apparatus.
- Handling of high temperature chamber furnace for glass synthesis.
- Sample preparation for experimental work.
- Thin section preparation for analytical work.

ANALYTICAL SKILLS

- Microscope, microprobe (EMPA), X-ray Diffractometry, SEM, Laser Ablation, Raman Spectroscopy and ICP-MS, X-Ray Tomography .

TEACHING

- Assistant during Laboratory course (both in Italian and English) of Petrography and Geochemistry- years : 2013/2014 - 2014/2015 - 2015/2016 (UNICAM).

SUPERVISING

- Co-Supervisor of bachelor student Teodor Pushi for the thesis in “Analisi mineralogica dei sedimenti marini delle coste marchigiane centro meridionali”(2016); University of Camerino.
- Co-supervisor of bachelor student Jacopo Lucaroni for the thesis in geochemistry on “ Trattamento termico delle ceneri di fondo da incenerimento di RSU” (2016); University of Camerino.

CONTRIBUTIONS

Bello M. and Carroll M.R. Chemical and petrological characterization of municipal solid waste bottom ash. EMC 11-15 September 2016, Rimini.

Stabile P., Behrens H, Cestelli M., Radica F., **Bello M.**, Carroll M.R., Paris E. and Giuli G. Effect of temperature and composition on water solubility in pantellerites to 250 MPA. EMC 11-15 September 2016, Rimini.

Bello M. and Carroll M.R. *Study of municipal solid waste bottom ash volcanic-like rocks and volatile metals.* EMPG XV (Fifteenth Symposium on Experimental Mineralogy, Petrology and Geochemistry- Zurich 5-8 June 2016.

Bello M., Scipioni M. and Carroll M.R. Volatile metals and municipal waste incineration: a comparison with volcanic melting, Conferenza SIMP- SGI- So. Ge.I.-AIV, Florence 2015.

LIST OF PUBLICATIONS

Stabile P., **Bello M.**, Petrelli M., Paris E. and Carroll M.R. (2019) Vitrification treatment of municipal solid waste Bottom Ash, submitted to **Waste management**.

Bello M. (2018): Study of Municipal Solid Waste Bottom Ash: chemical and mineralogical characterization, **Plinius** Vol. 44 (2018), 16-22.

Bello M., Stabile P. and Carroll M.R. "chemical and mineralogical characterization of Bottom Ash combustion products" (2018) in 6th scientific day of school of science and technology, uncam-book of abstracts, **ISBN 97888667680368**

Stabile P., Radica F., **Bello M.**, Behrens H., Carroll M.R., Paris E. and Giuli G. (2018) H₂O solubility in pantelleritic glasses: pressure and alkali effect, **Journal of Mineralogy and Geochemistry** 195-1.

Stabile P., Behrens H., Cestelli M., Radica F., **Bello M.**, Carroll M.R., Paris E. and Giuli G. (2016). A water solubility study in pantelleritic glasses to 250 MPa In: 5th scientific day of School of Science and technology, UNICAM- book of abstracts. Camerino, 08/06/2016, vol. 5, p. 82, **ISBN/ISSN: 97888667680269**.

Bello M. and Carroll M.R (2016). Mineralogical and petrological study of municipal solid waste bottom ash: comparison with volcanic products, UNICAM- book of abstracts. Camerino, 08/06/2016, vol. 5, p. 82, **ISBN/ISSN: 97888667680269**.

Paris E., Grandinetti V., Stabile P., Radica F., **Bello M.**, Giuli G., Ansaloni F. , Strina R., De Simone S., Carroll M.R (2016). ECO innovative methodologies fro the valorization of construction and urban waste into high grade TILES (ECOTILES), UNICAM- book of abstracts. Camerino, 08/06/2016, vol. 5, p. 78, **ISBN/ISSN: 97888667680269**.

