Roberto Cabella

Associate professor

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Education and training

1990
Ph.D. in 'Earth Sciences'
Genova University - Genova - IT

1985
Earth Science degree
Genova University - Genova

Academic experience

2001 - ONGOING
Professore Associato del S.S.D. GEOS-01/D - Georisorse Minerarie ed Applicazioni Mineralogico-Petrografiche per l'Ambiente ed i Beni Culturali
Genova University

Teaching activity

teaching activities in the following areas of expertise: Mineralogy, Analytical techniques in Mineralogy, Optical microscopy, Genesis of Minerals, Ore deposits, Georesources, Applied and Environmental Mineralogy, Mineralogy applied to Cultural Heritage, Archaeometry. Currently in charge of courses of “Elementi di Georisorse”, “Giacimenti Minerari”, “Applicazioni mineralogico-petrografiche ai Beni Culturali”.
Teaching activity is developed in 4 courses: Bachelor's Degree Geological Sciences, Master's Degree in Geological Sciences, Master's Degree in Methodologies for Conservation and Restoration of Cultural Heritage, Master's Degree in Conservation and Management of Nature.
Over the years I have organized Seminars on disciplinary and interdisciplinary subjects for students, PhD students and with credits for the continuous professional updating of the ORGL partecipating in the creation of guides for the Excursions, Regional Geological Guides and Excursion guides of the 'Liguria Geological Itineraries' Series for the Liguria Region, training and guidance seminars for students of schools of all levels.

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

PhD Program IX° cycle: CO-tutor of Dr. Pietro Marescotti, Title: “Studio delle mineralizzazioni a manganese associate ai Diaspri di M. Alpe: mineralogia, composizione chimica, equilibri tra le fasi e significato genetico'. 'PhD in Earth Sciences - University of Genoa.
• PhD Program XXVI° cycle: Tutor of dr. Fabio Tedeschi, Title: La Pietra di Finale: Georisorsa e Bene Culturale. Criteri geologico-applicativi per la sua valorizzazione. PhD School 'Sciences and Technologies for the Environment and the Territory' PhD in Earth Sciences - University of Genoa.
• PhD Program XXVI° cycle:: Co-tutor of Dr. Elena Parodi, Title: Patine e pellicole pittoriche sui manufatti lapidei a Genova e in Liguria. Doctoral School 'Sciences and Technologies of Chemistry and Materials' PhD Program in Chemical Sciences and Technologies - University of Genoa.
• 2008-2009 Co-Tutor Post-PhD Project 'Aproximació a la provinença i al marc techno-cultural i tecnofuncional de la producció i del comerç de contenidors amforals' (Funded by the Agència de Gestiò d'Ajuts Universitaris i de Recerca - Beneficiary of the Loan: Dr. Verònica Martínez Ferreras - Equip de Recerca Arqueomètrica de la Universitat de Barcelona (ERAUB) - Dept. de Prehistòria, Hist. Antiga i Arqueologia, University of Barcelona) (2008-2009.
• 2011 Scientific Co-Responsible of the research and training activity of Dr. Roberta Di Febo of the Department of Prehistory, Història Antiga i Arqueologia, Facultat de Geografia i Història, C / Montealegre, 6. Scholarship 'Beca APIF (Ajut de personal investigador en formació) PhD thesis title: :'La producció ceràmica al pla de Barcelona d'època altmedieval a contemporània i el seu estudi arqueomètric'. DIP.TE.RIS, University of Genoa, June-September 2011. Tutors: Dr. Jaume Buxeda y Garrigós, Dr. Maria Soledad Madrìd y Fernández and Dr. Judit Molera y Marimon.

Research interests

- Mineralogy and mineral chemistry in low grade metamorphic rocks;
- Mineralogy and mineral chemistry of REE minerals in hydrothermal and low grade metamorphic conditions;
- Systematic mineralogy of rare minerals and new minerals;
- Mineral chemistry and genesis of ore minerals associated with the mafic and ultramafic rocks of the Ligurian
ophiolites (deposits of braunite, hollandite and associated Mn-phases, deposits of chromite, PGE and sulfide deposits).

The aquired knowledge and analytical techniques background matured during twenty years of scientific activity have
subsequently applied to the field of Cultural Heritage dedicated to the Archeometry of ceramic and stone artefacts; the
collaborations established with various Italian and foreign public offices, have fueled the survival of the research line
itself which constitutes an aspect of the applications of Mineralogy and Petrography to Cultural Heritage and provides

an important tool for the study of archaeological finds, fundamental for their interpretation. The skills acquired in this
sector have been transferred to the Master's Degree Course in Methodologies for the Conservation and Restoration of
Cultural Heritage.
Other lines of research are related to: Geosites and Mining Parks, Geology of Protected Areas and Regional Parks,
Valorisation of Natural and Cultural Heritage. In this sector, the research conducted led to contributions expressly
dedicated to scientific dissemination and enhancement of the Natural Heritage.