

## **Paola CORATZA - CV**

Geologist specialised in Geomorphology, she is currently Associate Professor at the University of Modena and Reggio Emilia (UNIMORE) and lecturer of 'Geomorphology' and 'Geoheritage and Geoparks'.

### **ACADEMIC CAREER**

- Since 01/10/2002: contract researcher in the Physical Geography and Geomorphology disciplinary group, Mathematical, Physical and Natural Sciences Faculty of Università degli Studi di Modena e Reggio Emilia
- From 01/10/2006 to 31/08/2021: Researcher at Università degli Studi di Modena
- From 14/05/2019 National Scientific Habilitation for Associate Professorship (04/A3 – Engineering Geology, Physical Geography and Geomorphology)
- Since 01/09/2021: Associate Professor at UNIMORE (GEO/04 – Physical Geography and Geomorphology)

### **SCIENTIFIC ACTIVITY**

Paola Coratza obtained the Master Degree in Geology in 1999 at the Department of Earth Sciences, University of Modena and Reggio Emilia, 110/ 110 cum laude with a thesis regarded geomorphological hazards of built tourist areas in the Dolomites. From 2000 to 2003 she was granted to follow the PhD course in Geology at the Department of Earth Sciences, University of Modena and Reggio Emilia, obtaining the PhD title in 2003 defending the thesis "Geomorphological sites: research, assessment and improvement". In November 2002 she successfully participated in an open competition for the role of contract researcher in the Physical Geography and Geomorphology disciplinary group, held at the Mathematical, Physical and Natural Sciences Faculty of Modena and Reggio Emilia University. From 2002 to 2006 she was a Contract researcher in Physical Geography and Geomorphology and in November 2006 she won the selection procedure for the recruitment of researchers in Physical Geography and Geomorphology at the Modena and Reggio Emilia University. Since 01/09/2021: Associate Professor at UNIMORE (GEO/04 – Physical Geography and Geomorphology).

She has carried out a long-standing research activity in the field of theoretical and applied geomorphology, with special attention to recognition, evaluation and enhancement of the geological heritage and to geomorphological surveying and cartography. The research was aimed at the census, evaluation, conservation and enhancement of the geological and geomorphological heritage. The investigations have been carried out in the Italian Dolomites, in the Emilia-Romagna Apennines and in the Maltese archipelago.

She participated in numerous Italian and European research projects, among which COFIN 2001 ("Geosites: research, assessment and improvement"), and 2004 ("Geomorphological Heritage as a resource for a sustainable tourism"), ALARM ("Assessment of landslide risk and mitigation in mountain areas"), OASYS ("Integrated Optimization of Landslide Alert Systems"), Italy-Spain bilateral project ("Landslide hazard assessment for a proper land-use planning in alpine areas under tourist pressure"), 2009-2011 EUR-OPA Major Hazards Agreement ("Coastline at risk: methods for multi-hazard assessment"), PRIN 2010-11 ("Dynamics of morphoclimatic systems as a response of global changes and induced geomorphological risks"), 2012-2015 EUR-OPA Major Hazards Agreement ("Coupling terrestrial and marine datasets for coastal hazard assessment and risk reduction in changing environments"), PRIN 2010-2011 ("Dinamica dei sistemi morfoclimatici in risposta ai cambiamenti globali e rischi geomorfologici indotti"), 2016-2017 EUR-OPA Major

Hazards Agreement (“Developing geomorphological mapping skills and datasets in anticipation of subsequent susceptibility, vulnerability, hazard and risk mapping”), 2018-2019 EUR-OPA Major Hazards Agreement (“Hazard and vulnerability assessment – the path to identifying risk”), 2020-2021 EUR-OPA Major Hazards Agreement (“Coastal risk assessment and mapping”)

She was also responsible of two institutional contracts with the Community of Castellano (Reggio Emilia) for investigations aiming at the environmental rehabilitation of a watershed characterised by inactive quarries and by sites of outstanding geological interest (2017-18 and 2020-2021).

The results of her research activity were presented in several national and international congresses and illustrated in over 50 publications. She was invited speaker in international and national conference and has been and/or is conveners/chairman of sessions in several national and international conferences. She has been Guest Editor of special issues of indexed journals (*Geografia Fisica e Dinamica Quaternaria*, *Geoheritage*), as well as national journals (*Il Quaternario*). She belongs to or has been part of the Editorial Boards of the following international journals: *Sustainability* (MDPI) and *Heritage* (MDPI)

Her activities include peer review for several international journals in the fields of physical geography, geomorphology and geoheritage. She was convenor and chairperson at national and international conferences.

She is in charge of teaching courses in the degree courses in Geological Sciences and Natural Sciences (Geomorphology; Physical Geography; Geoheritage and Geoparks) of Modena and Reggio Emilia University. She is Secretary of the Bachelor and Master Degrees of Geological Sciences at UNIMORE, 2015-16, 2016-17, 2017-2018. She taught in masters and international schools in Italy, Greece and Switzerland in the frame of activities organised by the Working Group “Geomorphosites” of the International Association of Geomorphologists (IAG).

Within the ERASMUS+ Programme, she is at present Coordinator of bilateral agreements with the universities of Kingston (UK), Cluj-Napoca (Romania), Salisburgo (Austria), Adam Mickiewicz Poznan (Poland), Lisbona (Portugal), Bucarest (Romania).

She is member of national and international associations. In particular, she is member of the International Association of Geomorphologists (IAG) and chairmen of the Working Group “Geomorphosites” since 2006. She is member of the Italian Association of Physical Geography and Geomorphology (AIGeo).