

Brief CV: Prof. Sveva Corrado

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Full Professor of Structural Geology at the Department of Sciences, Roma Tre University, she has for some thirty years combined innovative academic research in Geosciences with a passionate commitment to teaching and public outreach.

After her PhD in Structural Geology (La Sapienza University, 1993), her professional development was shaped by key experiences abroad (the Universities of Leeds and Newcastle, UK). It was there that she acquired and developed quantitative methods for validating complex models of fold belts and thrust faults, integrating structural evolution with the thermal reconstruction of sedimentary basins. She is the author of around 160 scientific publications and winner of the “Secondo Franchi Prize” awarded by the Italian Geological Society (in 2014 and 2018).

Her research team has recently developed innovative strategies that utilise thermal maturity for critical applications, integrating advanced analytical techniques for:

- Climate change: Characterisation and use of biochar as a tool for climate mitigation.
- Energy Transition: Assessment of energy systems (responsible hydrocarbons), reservoir rocks for geothermal exploration and energy policies.
- Volcanic risk mitigation: Analysis of pyroclastic flow temperatures for risk mitigation (e.g. Herculaneum).

She teaches geology courses also with application to energy transition and climate change at Roma Tre University and taught (2017–2022) courses on geology for energy resources at the GEC Lab of the Université CY Cergy Paris.

Over the years, she has developed a genuine passion for the Third Mission, bringing geology out of the university lecture theatres through:

- Coordination of public outreach events: He has led eight editions of the European Researchers’ Night for Roma Tre University and collaborates with Rome’s 8th and 11th Municipal Districts and various non-profit organisations to promote science in the local community.
- Geological heritage promotion at various scale on Rome territory.