

Dr RAFAEL FORT

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Statement of academic qualifications and career:

- BSc. in Geological Sciences (1979) by University Complutense of Madrid (UCM).
 - PhD in Economic Geology (1985) by University Complutense of Madrid (UCM).
- Since 1987, Senior Scientist at CSIC (Institute of Economic Geology)
Since 2006, Head of the research group, from UCM, “**Weathering and Conservation of Stony Materials of Heritage (Applied Petrology for Heritage Conservation Research Group)**”
- Director of Institute of Economic Geology (CSIC- UCM). February 2006-marzo de 2011 and - Director of Institute of Geosciences (CSIC- UCM). March 2011-February 2012

Research interests on:

- Buildings materials characterization (stone, bricks, mortars, etc).
- Geologic and petrologic studies of Architectural Heritage Materials.
- Geologic materials decay: agents, causes and processes.
- Quality and durability of stony materials.
- Conservation treatments (cleaning, consolidation, heritage materials preservation): efficiency, suitability and durability.
- Materials provenance: historic quarries.
- Non destructive techniques.
- Archaeological artworks studies and Archeological sites studies .

Rafael Fort is author of nearby 250 published works in book chapters and scientific journals and he has also contributed with near 200 conference communications both at a national and international level. Besides, he is author of three patents.

The ranking presented regarding to his relevance as a researcher within the international research field with a similar profile to yours carried out in articles indexed (Thomson Reuters Web of Knowledge), with topics:

[TS = (("building stone") OR ("stone decay") OR ("stone weathering") OR (SAME conservation stone) OR ("historic buildings") OR ("built heritage") OR ("Cultural heritage" AND stone))] I appear as the most productive author with 45 articles in the last 15 years on these research issues.

He has participated in or coordinated 30 R&D Projects financed by regional administrations, the Spanish Government and from the European Union. He has participated in 85 research contracts and agreements with private companies and public administrations. These past projects include research on decay processes and conservation methods on emblematic Spanish monuments such as the Cathedral of Toledo, the Monastery of El Escorial (Madrid), the Roman Aqueduct of Segovia and the Royal Palace of Madrid.

He was the coordinator of MATERNAS (Durability and Conservation of Natural Traditional Materials of the Architectural Heritage) and currently of GEOMATERIALES (Durability and conservation of built heritage Geomaterials), programs financed by the Regional Government of Madrid with the aim of promoting activities among research groups which involves the coordination of 69 researchers from 6 research centres, managing a total budget for each one close to 1 million euros. He is also the head researcher of the “Petrology Applied to Heritage”

group belonging to the “CONSOLIDER, Ingenio-2010” program: Technologies for the Conservation and Revalorisation of Cultural Heritage” CSD2007-0058 financed by the Innovation Science Ministry. Program: Advanced Research Training on the Conservation of Cultural Heritage. EC, MC-FP6-513915 from 6th European Union Framework Program.

Rafael Fort has also participated or organized R&D and science dissemination activities such as fairs, conferences, workshops, publishing 25 works related with the spreading of Geology and Architectural Heritage and having as special exponent the Geomonumental Routes.

Academic member of 71 Postgraduate Courses from other universities having a wide experience in postgraduate supervision and training, with a total of 9 PhD and MSc theses either recently finished or in progress, supervision of 13 grants, scholarships and contracts.

He has participated as responsible of training activities of the Institute of Economic Geology (CSIC), within Advanced Research Training on the Conservation of Cultural Heritage Project (EC, FP6-MC-513 915) in the Sixth European Union Framework Programme Start: 01/05/2005 and Ends: 30/04/2008, being the coordinator Cesareo Saiz Jimenez.