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Aggregate Professor in Volcanology and Geochemistry (SSD GEO/08) at University G. d'Annunzio, Chieti-Pescara
Director of the Volcanology, Geochemistry and Petrology Laboratory.
Director of SEM EDS Facility Laboratory.

Date of birth 05/06/1968
Nationality Italian

Education and Qualifications:
March 1996 – MSc degree in Geological Sciences at University of Perugia, graduation mark 110/110.
December 1996 – Geologist Professional Licence exam with positive result.
September 2001 - Doctor of Philosophy degree in Geological Sciences at University College London (GB).
Member of the Società Geochimica Italiana (So.Ge.I) and European Association of Geochemistry (EAG) membership number 2019-1050.

Scopus Parameters: March 2020 - H-index 11, citations 362

peer-reviewed competitive funding
Funded Projects (as principal investigator or team researcher):

- February 2020 - "Researcher Access to Large Scale Geochemical Facilities (ELSF European Commission), "Review of the Ruri (Kenya) rock collection" at Natural History Museum, (London - GB)
- January 2003 - "Researcher Access to Large Scale Geochemical Facilities (ELSF European Commission), "Mineralogy and petrology of carbonatites, melilitites and associated mafic-ultramafic nodules from the late Pleistocene province of Italy and Uganda", at Natural History Museum (London - GB).
- August 2003 - Researcher Access to Large Scale Geochemical Facilities (ELSF European Commission), "Mineralogy and petrology of Italian Lamprophyres" at Bristol University (GB).
- September 2005 - Co-funding from PRIN on the research project "Vulcaniti del Vulture".
- October 2006 - Synthesis (European Union-funded Integrated Infrastructure Initiative grant) "Geochimica delle carbonatiti estrusive" at Natural History Museum (London - GB).
- February 2016 H2020-EU.3.5.3 - HiTech AlkCarb - "New geomodels to explore deeper for High-Technology critical raw materials in Alkaline rocks and Carbonatites"; grant agreement ID: 689909.
  https://www.bgs.ac.uk/HiTechAlkCarb/?src=topNav
  https://cordis.europa.eu/project/id/689909

Funded Project in collaboration with Environmental and Health Care Institutions (as project manager and scientific leader)

- February 2017 – "Survey and analysis of civil and industrial waste waters draining in to the Fino-Tavo-Saline river system" contract with "Waste Disposal Service Dept." of Abruzzo County.

- November 2014 - “Survey and analysis of civil and industrial waste waters draining in to the Pecara river” contract with “Waste Disposal Service Dept.” of Abruzzo County.
- December 2012 - “Survey and analysis of civil and industrial waste waters, survey of waste abandons along the river Pescara” contract with “Waste Disposal Service Dept.” of Abruzzo County.
- June 2012 – “Development of remote sensing techniques for the survey of asbestos roofing”, contract with ASL “Industrial Hygiene” of Lazio County.

Patents: “Geotalpa gas micro analyser“, patent deposit in Italy 04/07//2013 -Rif. BREV/AI/A17473- RM2013A000395, European patent deposit ref: E14425000.9

Spin-off: Funder and CEO of RES.GEA s.r.l., spin-off dell’Università G. d’Annunzio.

Most Significant Publications

- Italian carbonatite system: From mantle to ore-deposit.
  DOI: 10.1016/J.OREGEOREV.2019.103041
- Identification of CTX-M-15 and CTX-M-27 in Antibiotic-Resistant Gram-Negative Bacteria Isolated from Three Rivers Running in Central Italy
  DOI: 10.1089/MDR.2019.0016
- Phthalates, heavy metals and PAHs in an overpopulated coastal region: Inferences from Abruzzo, central Italy
  DOI: 10.1016/J.MARPOLBUL.2017.08.008
- Calcio-carbonatite melts and metasomatism in the mantle beneath Mt. Vulture (Southern Italy).
  DOI: 10.1016/J.LITHOS.2007.05.011.
- Geochemical distinctions between igneous carbonate, calcite cements, and limestone xenoliths (Polino carbonatite, Italy): spatially resolved LAICPMS analyses
  DOI: 10.1007/S00410-010-0499-X
- Potassic glass and calcite carbonatite in lapilli from extrusive carbonatites at Rangwa Caldera Complex, Kenya.
  DOI: 10.1180/0026461036750152
- Intrusive calcite-carbonatite occurrence from Mt. Vulture volcano, southern Italy
  DOI: 10.1180/002646100549643