

UNIVERSITA' DEGLI STUDI DELLA BASILICATA
DIPARTIMENTO DI SCIENZE

Prof. Giovanni Mongelli

CURRICULUM SCIENTIFICO

EDUCATION

B.S. in Geological Sciences, University of Bari, summa cum laude, December 1983.

Ph.D in Earth Sciences, University of Bari, September 1989.

ACADEMIC EMPLOYMENT

1987-2002 Researcher, University of Basilicata.

1993-2002 Lecturer in Geochemistry

2002-present Associate Professor in Geochemistry

Component of the Dept of Sciences. Over the years responsible for laboratories such as the Laboratory of X-Ray Diffractometry and the Laboratory of Geochemistry at the Department of Geological Sciences. It was representative of the same Department at the Interdepartmental Center for Electron Microscopy. He was component of the Commission for the Evaluation of Research of the Department of Chemistry. In the four years 2006-2010 he served as component of the Administration Board of the University of Basilicata as the representative of the Faculty of Science.

RELEVANT RESEARCH PROJECTS

- 1994-1996 Co-ordinator of the Potenza Unit of the national project "Composition and evolution of the continental crust: the crystalline basement in Italy".

- 1997-1998 Co-ordinator of the Potenza Unit of the national project "Modelization of the petrographic and geochemical composition of the continental crust in selected italian areas"

- 1998-2001 Co-ordinator for the geochemistry of the "Agrifluid" Project (POP-FERS)

- 2001-2003 Co-ordinator of the Potenza Unit of the national project "Age and features of Verrucano type deposits from northern Apennines to Betic Cordilleras: constraints for the paleogeographic and structural evolution of the Alpin Chains of the western Mediterranean area.

- 2003-2005 Co-ordinator of the UE supported project "Geochemical survey of waters, soils, rocks and vegetation in the Fiumara di Atella area".

- 2006-2008 Co-ordinator of the Potenza Unit of the national project "Chemio- and minerostratigraphy of cenozoic siliciclastic sediments of the Tetide southern realm: paleoweathering and parental affinity".

AWARDS

1998 "Luigi dell'Anna" award, Association International Pour l'Etude des Argiles.

REVIEWER FOR THE FOLLOWING JOURNALS:

Applied Clay Sciences, Clays and Clay Minerals, Clay Minerals, Chemical Geology, Chemie der Erde, Comptes rendus Geosciences, Earth and Planetary Science Letters, European Journal of Mineralogy, Geochemical Journal, Geological Journal, Hydrology and Earth System Sciences, Italian Journal of Geosciences, Journal of Asian Earth Sciences, Journal of Earth Science, Journal of Geochemical Exploration, Journal of Sedimentary Petrology, Journal of Soils and Sediments, Journal of South American Earth Sciences, Mineralogy and Petrology, Ore Geology Review, Periodico di Mineralogia, The Journal of Geology.

RESEARCH SPECIALIZATION

Sedimentary geochemistry, water-rock interaction and environmental geochemistry, Ore Geochemistry.

Principali Pubblicazioni (ultimi cinque anni)/ Selected Papers and Publications (last five years):

- 2014 R. Sinisi, G. Mongelli, P. Mameli, G. Oggiano (2014). Did the Variscan relief influence the Permian climate of Mesoeurope? Insights from geochemical and mineralogical proxies from Sardinia (Italy). *PALAEOGEOGRAPHY, PALAEOCLIMATOLOGY, PALAEOECOLOGY*, vol. 396, p. 132-154, ISSN: 1872-616X, doi: 10.1016/j.palaeo.2013.12.030
- 2014 Mameli P., Mongelli G., Oggiano G., Rovina D. (2014). FIRST FINDING OF EARLY MEDIEVAL IRON SLAGS IN SARDINIA (ITALY): A GEOCHEMICAL–
- 2014 MINERALOGICAL APPROACH TO INSIGHTS INTO ORE PROVENANCE AND WORK ACTIVITY. *ARCHAEOLOGY*, vol. 56, p. 406-430, ISSN: 0003-813X, doi: 10.1111/arc.12019
- 2014 G. Mongelli, M. Boni, R. Buccione, R. Sinisi (2014). GEOCHEMISTRY OF THE APULIAN KARST BAUXITES (SOUTHERN ITALY): CHEMICAL FRACTIONATION AND PARENTAL AFFINITIES. *ORE GEOLOGY REVIEWS*, vol. 63, p. 9-21, ISSN: 0169-1368, doi: 10.1016/j.oregeorev.2014.04.012
- 2014 G. Mongelli, M. Paternoster, G. Rizzo, R. Sinisi (2014). Trace elements and REE fractionation in subsoils developed on sedimentary and volcanic rocks: case study of the Mt. Vulture area, southern Italy. *INTERNATIONAL JOURNAL OF EARTH SCIENCES*, vol. 103, p. 1125-1140, ISSN: 1437-3254, doi: 10.1007/s00531-014-1003-z
- 2013 G. Mongelli, M. Paternoster, R. Sinisi (2013). Assessing nitrate origin in a volcanic aquifer using a dual isotope approach. *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY*, vol. 10, p. 1149-1156, ISSN: 1735-1472, doi: 10.1007/s13762-012-0169-9
- 2013 G. Mongelli, P. Mameli, G. Oggiano, R. Sinisi (2013). Generation of Ce anomalies in SW Sardinian Mn ores. *JOURNAL OF GEOCHEMICAL EXPLORATION*, vol. 133, p. 42-49, ISSN: 0375-6742, doi: 10.1016/j.gexplo.2012.10.002
- 2013 GIANNOSSI M.L., SUMMA V., MONGELLI G. (2013). TRACE ELEMENT INVESTIGATIONS IN URINARY STONES: A PRELIMINARY PILOT CASE IN BASILICATA (SOUTHERN ITALY). *JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY*, vol. 27, p. 91-97, ISSN: 0946-672X, doi: 10.1016/j.jtemb.2012.09.004
- 2013 Giovanni Mongelli, Michele Paternoster, Giovanna Rizzo, Maria Cristi Sansone, Rosa Sinisi (2013). Trace element geochemistry of the Mt. Vulture carbonatites, southern Italy . *INTERNATIONAL GEOLOGY REVIEW*, ISSN: 0020-6814, doi: 10.1080/00206814.2013.786310
- 2013 G. Mongelli, S. Monni, G. Oggiano, M. Paternoster, R. Sinisi (2013). Tracing groundwater salinization processes in coastal aquifers: a hydrogeochemical and isotopic approach in Na-Cl brackish waters of north-western Sardinia, Italy. *HYDROLOGY AND EARTH SYSTEM SCIENCES*, vol. 17, p. 2917-2928, ISSN: 1027-5606, doi: 10.5194/hess-17-1-2013
- 2013 Perri F., Critelli S., Martín-Algarra A., Martín-Martín M., Perrone V., Mongelli G., Zattin M. (2013). Triassic redbeds in the Malaguide Complex (Betic Cordillera - Spain): petrography, geochemistry and geodynamic implications. *EARTH-SCIENCE REVIEWS*, vol. 117, p. 1-28, ISSN: 0012-8252, doi: 10.1016/j.earscirev.2012.11.002
- 2012 SINISI R, MAMELI P, G. MONGELLI, OGGIANO G (2012). DIFFERENT MN-ORES IN A CONTINENTAL ARC SETTING: GEOCHEMICAL AND MINERALOGICAL EVIDENCE



UNIVERSITA' DEGLI STUDI DELLA BASILICATA
DIPARTIMENTO DI SCIENZE

- FROM TERTIARY DEPOSITS OF SARDINIA (ITALY). ORE GEOLOGY REVIEWS, vol. 47, p. 110-125, ISSN: 0169-1368, doi: 10.1016/j.oregeorev.2012.03.006
- G. MONGELLI, P. MAMELI, G. OGGIANO, R. SINISI (2012). MESSINIAN PALEOCLIMATE AND PALEOENVIRONMENT IN THE WESTERN MEDITERRANEAN REALM: INSIGHTS FROM THE GEOCHEMISTRY OF CONTINENTAL DEPOSITS OF WESTERN SARDINIA (ITALY). INTERNATIONAL GEOLOGY REVIEW, vol. 54, p. 971-990, ISSN: 0020-6814, doi: 10.1080/00206814.2011.588823
- M.L. Giannossi, G. Mongelli, F. Tateo, V. Summa (2012). MINERALOGICAL AND MORPHOLOGICAL INVESTIGATION OF KIDNEY STONES OF A MEDITERRANEAN REGION (BASILICATA, ITALY). JOURNAL OF X-RAY SCIENCE AND TECHNOLOGY, vol. 20, p. 175-186, ISSN: 0895-3996, doi: 10.3233/XST-2012-0327
- PERRI F, CRITELLI S, CAVALCANTE F, G. MONGELLI, DOMINICI R, SONNINO M, DE ROSA R (2012). Provenance signatures for the Miocene volcanoclastic succession of the Tufiti di Tusa Formation, southern Apennines, Italy. GEOLOGICAL MAGAZINE, vol. 149, p. 423-442, ISSN: 0016-7568, doi: 10.1017/S001675681100094X
- MARGIOTTA S., MONGELLI G., PATERNOSTER M., SUMMA V., FIORE S. (2012). Trace element distribution and Cr(VI) speciation in Ca-HCO₃ and Mg-HCO₃ spring waters from the northern sector of the Pollino massif, southern Italy. JOURNAL OF GEOCHEMICAL EXPLORATION, vol. 115, p. 1-12, ISSN: 0375-6742, doi: 10.1016/j.gexplo.2012.01.006
- PARISI S., PATERNOSTER M., KOHFAHL C., PEKDEGER A., MEYER H., HUBBERTEN H.W., SPILOTRO G., MONGELLI G. (2011). Groundwater recharge areas of a volcanic aquifer system inferred from hydraulic, hydrogeochemical and stable isotope data: Mount Vulture, southern Italy.. HYDROGEOLOGY JOURNAL, vol. 19, p. 133-153, ISSN: 1431-2174, doi: 10.1007/s10040-010-0619-8.
- SANSONE M.T.C, RIZZO G, G. MONGELLI (2011). Petrochemical characterization of mafic rocks from the Ligurian ophiolites, southern Apennines. INTERNATIONAL GEOLOGY REVIEW, vol. 53, p. 130-156, ISSN: 0020-6814, doi: 10.1080/00206810902954993
- PERRI F, CRITELLI S, G. MONGELLI, CULLERS R.L (2011). Sedimentary evolution of the Mesozoic continental redbeds using geochemical and mineralogical tools: the case of Upper Triassic to Lowermost Jurassic Monte di Gioiosa mudstones (Sicily, southern Italy). INTERNATIONAL JOURNAL OF EARTH SCIENCES, vol. 100, p. 1569-1587, ISSN: 1437-3254, doi: 10.1007/s00531-010-0602-6
- Serena Parisi, Michele Paternoster, Francesco Perri, Giovanni Mongelli (2011). Source and mobility of minor and trace elements in a volcanic aquifer system: Mt. Vulture (southern Italy). JOURNAL OF GEOCHEMICAL EXPLORATION, vol. 110, p. 233-244, ISSN: 0375-6742, doi: 10.1016/j.gexplo.2011.06.010
- F. SPAGNOLI, A. DELL'ANNO, A. DE MARCO, E. DINELLI, M. FABIANO, M.V. GADALETA, C. IANNI, F. LOIACONO, E. MANINI, M. MARINI, G. MONGELLI, G. RAMPAZZO, P. RIVARO, L. VEZZULLI (2010). Biogeochemistry, grain size and mineralogy of the central and southern Adriatic Sea sediments: a review. CHEMISTRY IN ECOLOGY, vol. 26, p. 19-44, ISSN: 0275-7540, doi: 10.1080/02757541003689829
- ZAGHLOUL M.N, CRITELLI S, PERRI F, MONGELLI G., PERRONE V, SONNINO M, TUCKER M, AIELLO M, VENTIMIGLIA C (2010). Depositional systems, composition and geochemistry of Triassic rifted-continental margin redbeds of Internal Rif Chain, Morocco..

SEDIMENTOLOGY, vol. 57, p. 312-350, ISSN: 0037-0746

PATERNOSTER M, PARISI S, CARACAUSI A, FAVARA R, G. MONGELLI (2010).

22 2010 Groundwaters of Mt. Vulture volcano, southern Italy: Chemistry and sulfur isotope composition of dissolved sulphate. GEOCHEMICAL JOURNAL, vol. 44 , p. 125-135, ISSN: 0016-7002

23 2010 G. MONGELLI, CRITELLI S, DINELLI E, PATERNOSTER M, PERRI F (2010). Mn- and Fe-carbonate rich layers in Meso.Cenozoic shales as proxies of environmental conditions: a case study from the southern Apennine, Italy. GEOCHEMICAL JOURNAL, vol. 44 , p. 211-223, ISSN: 0016-7002

ORARIO E SEDE DI RICEVIMENTO

14.30-18.30 mercoledì presso ufficio

INDIRIZZO EMAIL: giovanni.mongelli@unibas.it

RECAPITO TELEFONICO: 0971206181
