

CURRICULUM VITAE
Prof.ssa Giovanna Rizzo

Name **RIZZO GIOVANNA**
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National Italian

PROFESSIONAL EXPERIENCES

2020 Associate Professor Qualification (GEO/07, Petrology and Petrography)

2020/2021-2023/2024 Member of the Academic Senate of the University of Basilicata.

8/04/2015-31/01/2021 Director of the Student Orientation Centre of the University of Basilicata.

Dal 1/11/2002 Full-time, permanent researcher, SSD GEO/07 (Petrology and Petrography) at the University of Basilicata, Potenza.

15/03/2002-31/10/2002 Research grant activated at the Department of Earth and Geological-Environmental Sciences of the University of Bologna with the objective: the petrological stratigraphy of the upper mantle and lower crust of the Tertiary volcanic province of Veneto (Resp. Prof. L. Morten).

23-5-2000 – 14-3-2002 Post-doctoral fellowship at the Department of Mineralogy and Petrology, University of Padova, concerning the typological, chemical and geochronological study of some Austroalpine and Sudalpine Phyllite Complexes in the Eastern Alps (Tutor: Prof. F.P. Sassi).

1999 Contract of 5-month with the University of Padua within the research programme "Crustal Anatexis in Nature and in Experiments" (Resp. Dr. B. Cesare).

1996 Contract of 5-month with the University of Padua within the research programme "Crustal Anatexis in Nature and in Experiments" (Resp. Dr. B. Cesare).

1995 CNR scholarship at the Centro di Studio per la Geodinamica Alpina (Padua) in the field of "Metamorphic Petrology", where she carried out a research project entitled:

"Study of phlogopites contained in ultra-famous rocks of the Serre Catanzaro (Calabrian-Peloritanian Arc)". (Tutor: Prof. F.P. Sassi).

Education and training

- 5/02/1999 He obtained the title of PhD in Earth Sciences XI cycle at the Department of Mineralogy and Petrology, University of Padova. The final dissertation was entitled: Contributions to the characterisation of some rocky complexes of the Eastern Alps based on the study of zircons (Tutors: Prof. F.P. Sassi, Dr. R. Spiess).
- 28/04/1994 Degree in Geological Sciences (Academic Year 1992-93) from the University of Calabria-Arcavacata di Rende (Cosenza).
- Vote 104/110.
- Experimental Degree Thesis in Petrography entitled: Geological survey and petrographic study of metamorphites outcropping in the area of Curinga (CZ)". (Supervisor: Prof. L. Morten).

Principal subjects/occupational skills covered

Petrography, Geochemistry, Mineralogy.

Study area and lithologies investigated

S. Severino Lucano (Timpa della Guardia, Fosso Arcangelo, Fosso di Ballarano, Timpa della Gatta); Chiaromonte (Timpa del Castello Quarry and Pietrapica Quarry); Episcopia, Terranova del Pollino (Timpa di Pietrasasso and Timpa delle Murge), Matera, Serre Catanzaresi (Arco Calabro-Peloritano), Intavolata and Diamante (Coastal Chain), Eastern Alps.

Rocks: serpentinites, amphibolites, granulites, phyllites, gneisses, rodingites.

Professional skills and competences

French	Reading skills: good Writing skills: good Oral expression: good
English	Reading skills: good Writing skills: good Oral expression: good

ORGANISATION OF OR PARTICIPATION AS A SPEAKER IN SCIENTIFIC CONFERENCES IN ITALY OR ABROAD

- 2009 Year 2009: Organiser of the workshop entitled "Dalle Alpi all'Arco Calabro-Peloritano: il contributo della petrografia" held at the University of Basilicata.
- 2009 Year 2009: Speaker at the workshop "Dalle Alpi all'Arco Calabro-Peloritano: il contributo della petrografia" (From the Alps to the Calabrian-Peloritanian Arc: the contribution of petrography) at the University of Basilicata, with a contribution entitled "Petrochemical characterization of mafic rocks from the Ligurian ophiolites, southern Apennines".
- 2010 Year 2010: Convener of a scientific session (Session 4) entitled "Tectonics, magmatism and metamorphism in the Africa-Europe system". 85th National Congress of the Italian Geological Society "L'Appennino nella geologia del Mediterraneo Centrale" (The Apennines in the geology of the Central Mediterranean) held in Pisa from 6-8 September 2010.
- 2010 Year 2010: Speaker at the 85th National Congress of the Italian Geological Society "The Apennines in the geology of the Central Mediterranean" held in Pisa from 6-8 September 2010, with a paper entitled "Hybridization of the peridotite layers from the Serre lower-crust section (Calabria)".
- 2012 Year 2012: Convener of a scientific session (TS1.3) entitled "Magmatic and metamorphic processes within the exposed continental crust in the Circum-Mediterranean thrust belts". General Symposia GS1 - Tectonics and paleogeography of the circum-mediterranean region. 86th National Congress of the Italian Geological Society "Il Mediterraneo un archivio geologico tra passato e presente" (The Mediterranean, a geological archive between past and present) held in Arcavacata di Rende (Cs) from 18-20 September 2012.
- 2017 Year 2017: Member of the Scientific Committee of the Petroleum Geology Student Contest - 2nd edition (Calvello, Pz, Italy) .
- 2018 Year 2018: Member of the Scientific Committee of the Yococu Conference: Dialogues in Cultural Heritage, held in Matera from 23 to 25 May 2018.

- 2018 Year 2018: Convener of a scientific session (S29) entitled " Environmental pollution related to Naturally Occurring Asbestos (NOA) in serpentinites and other geo-matrices". SGI -SIMP Congress "Geosciences for the environment, natural risk and cultural heritage", held in Catania from 12 to 14 September 2018.
- 2019 Year 2019: Member of the Scientific Committee of the Petroleum Geology Student Contest - (Calvello, Pz, Italy) .
- 2020 Year 2020: Convener of a scientific session (Session MM01) entitled "Asbestos Minerals Researches for Environmental and Human Health Safeguard". Geohealth 2020 held in Bari from 1-5 September 2020.
- 2022 Year 2022: Convener of a scientific session (Session NH8.3) entitled "Mineral particles and fibres: bridging minero-chemistry to occupational and environmental strategies for health hazard control". EGU General Assembly to be held in Vienna from 23-27 May 2022.

DIRECTING OR PARTICIPATING IN THE ACTIVITIES OF A RESEARCH GROUP WITH NATIONAL OR INTERNATIONAL COLLABORATIONS

- Dal 03/02/2014 al 30/01/2019 Participation in the UNIBAS local research group for the implementation of research activities to be carried out for the SCN_00520 Project "Product and process innovation for sustainable and planned maintenance, conservation and restoration of cultural heritage" (reg. CdC n. 2094/2016) (MIUR Notice for the presentation of project ideas for Smart Cities and Communities and Social Innovation for interventions and for the development of smart cities throughout the national territory).

- Dal 01/05/2016 al 31/12/2019 Participation in the UNIBAS local research group of the project Eranetmed-Water 13-051-CrITERIA (Cr(VI) Impacted water bodies in the Mediterranean: Transposing management options for Efficient water: Resources use through an Interdisciplinary Approach), funded by the European Union through network “Euro-Mediterranean Cooperation through Eranet joint activities and Beyond (ERANETMED). Team Leader: Prof. Giovanni Mongelli.
- Dal 15/06/2017 ad oggi Member of the Scientific Committee of the Contamination Lab of the University of Basilicata (MIUR Call for Proposals of the National Research Programme 2015-2020 - D.D. 29.11.2016 n. 3158), admitted to funding with director's decree n.1513 of 15 June 2017.
- Dal 01/10/2019 ad oggi Participation in the Research Group of the University of Basilicata, which is a partner in the European Erasmus + Project "Climate Change: Science, Ethics and Society" (CTwoSEAS) , N° 2019- 1-ES01-KA203-064188, of which Dr. Pedro Castiñeiras Garcia of the Universidad Complutense Madrid is Coordinator.
- Dal 01/11/2019 ad oggi Participation in the Research Unit of the Department of Sciences (University of Basilicata) of the project "Detection and tracking of crustal fluid by multi-parametric methodologies and technologies" (project code 20174X3P29_005- Coordinator Prof. Aldo Zollo- University Federico II of Naples), admitted to funding on PRIN2017- MIUR funds (Decree n. 1511 of 05-08-2019).
- Dal 12/12/2019 ad oggi Participation in the Research Group of the Science Department of the University of Basilicata of the Research Agreement entitled "Monticchio Lakes: evaluation of the ecological status of the habitat with analysis and processing of the data collected" between the Science Department of the University of Basilicata and the Vulture Regional Park. Scientific responsible Dr. Michele Paternoster.
- 2007 **PRIN** : The writer was part of the operative unit of the University of Basilicata within the funded project entitled: High temperature deformation in the presence of melt and in subsolidus conditions: a natural and synthetic approach (Responsible: Prof. R. Spiess, University of Padua).
- 2004 **Funds MIUR ex 60%**: The writer has been scientific responsible with Prof. Mongelli of the research project entitled: Typological and isotopic study of zircons present in some units of Triassic-Jurassic age of the inner domain of the Central-Western Mediterranean Chains.

2002

Funds MIUR ex 60%: Together with Prof. Prosser, she was the scientific responsible for the research project entitled: Hercynian and Alpine cutting zones in Calabria.

COLLABORATIONS

Dal 4/10/2004 al 4/10/2005

He has collaborated with the Institute of Methodologies for Environmental Analysis of the CNR in Tito Scalo (Potenza) to carry out the following research activity: Mineral and petrographic surveys in the area of the Calabrian-Lucanian border in which geological-structural and petrographic studies are planned.

RESPONSIBILITY FOR SCIENTIFIC STUDIES AND RESEARCH ASSIGNED BY QUALIFIED PUBLIC OR PRIVATE INSTITUTIONS

Dal 15-09-2015 al 15-09-2016

Scientific Responsible for the Research Agreement "Mineral-petrographic and geochemical study of the historical and current ceramics of Calvello" between the Science Department of the University of Basilicata and the Municipality of Calvello (Pz).

Dal 16/11/2018 al 16/11/2019

Scientific Responsible for the Research Collaboration Agreement "The ophiolitic rocks and flora of T.pa delle Murge and T.pa Pietrasasso (Southern Apennines)" between the Science Department of the University of Basilicata and the Pollino National Park Authority (Rotonda, Potenza).

Dal 17/12/2019 al 17/12/2020

Scientific Responsible for the Research Collaboration Agreement "Elaboration of a tourist-geological guide to describe, interpret and represent the itinerary of Timpa delle Murge and Timpa Pietrasasso, geosites of international importance of the Pollino Unesco Global Geopark" between the Science Department of the University of Basilicata and the Pollino National Park Authority (Rotonda, Potenza).

Dal 2003 al 2005

He was part of the working group set up to carry out the research agreement "Geochemical monitoring in the area of Fiumara di Atella" (Resp. Prof. Giovanni Mongelli), activated between the Department of Geological Sciences of the University of Basilicata and the Basilicata Region.

SCIENTIFIC RESPONSIBILITY FOR INTERNATIONAL AND NATIONAL RESEARCH PROJECTS FUNDED ON THE BASIS OF COMPETITIVE CALLS FOR PEER REVIEW

2011

Scientific responsibility for the Research Project of Local Interest (RIL), for the year 2011 funded by the University of Basilicata in response to University competitive calls.

- 2013 Scientific responsibility for the Research Project of Local Interest (RIL), for the year 2013 funded by the University of Basilicata in response to competitive calls from the University.
- 2015 Scientific responsibility for the Research Project of Local Interest (RIL), for the year 2015 funded by the University of Basilicata in response to University competitive calls.
- Dal 01-07-2016 al 30-06-2018 Scientific Coordinator of Training Objective 1 "Smart Natural Resources" in the framework of the Convention for the implementation of the Training Project Smart Basilicata. Unique Project Code G41H12000010008. MIUR Notice no. 84/Ric2012, PON 2007-2013 of 2 March 2012 "Smart Cities and Communities and Social Innovation".

DIRECTION OR PARTICIPATION IN EDITORIAL COMMITTEES OF PRESTIGIOUS MAGAZINES, SERIES, ENCYCLOPAEDIAS AND TREATISES

- Dal 01-01-2016 a oggi Participation in the Editorial Board of the journal SIRIS (Studies and Research of the School of Specialisation in Archaeological Heritage of Matera), ISBN 978-88-7228-839-9 ISSN 1824-8659, DOI <http://dx.doi.org/10.4475/839>.
- Dal 25-09-2019 a oggi Member of the Editorial Board of the Minerals. ISSN 2075-163X. MDPI Publication.
- Dal 26-11-2019 a oggi Member of the Editorial Board of the Fibers. ISSN 2079-6439. MDPI Publication.
- Dal 31-05-2022 a oggi Member of the Editorial Board of the Frontiers of Earth Sciences. ISSN 22966463. Springer

RELATIONAL SKILLS AND COMPETENCES

He has carried out research with scholars:

1. from the Universities of Bologna and Calabria in the framework of researches concerning the rocks outcropping in the Serre Massif (Calabrian-Peloritanian Arc);
2. the Universities of Catania, Urbino and Calabria in the context of research concerning the study of Triassic-Jurassic sedimentary successions of the Tethys rift of the Calabrian-Peloritanian Arc;
3. the Universities of Padua and Vienna in the context of research concerning the petrographic, geochemical and geochronological study of zircons from Austroalpine and Sudalpine Phyllite Complexes.
4. the IGG-CNR of Pisa and Pavia in the context of research concerning the dating of zircons in rocks outcropping on the Calabrian-Lucanian border.
5. the University of Milan in the context of research concerning the study of some minerals in serpentine and dolerite rocks outcropping on the Calabrian-Lucanian border.
6. from the Complutense University of Madrid in the context of research concerning the study of serpentinitic rocks outcropping on the Calabrian-Lucanian border.
7. the University of Potsdam in the context of research concerning the study of gabbroic rocks outcropping on the Calabrian-Lucanian border.

PARTICIPATION IN THE TEACHING BOARD OR TEACHING ASSIGNMENTS WITHIN THE FRAMEWORK OF PHD PROGRAMMES ACCREDITED BY THE MINISTRY

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|------------------------------|---|
| dal 28-12-2005 al 27-12-2008 | Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2005 - 2006, Cycle XXI - Duration 3 years from 28-12-2005 to 27-12-2008. |
| dal 01-11-2006 al 31-10-2009 | Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2006 - 2007, Cycle XXII - Duration 3 years from 01-11-2006 to 31-10-2009. |
| dal 01-11-2007 al 31-10-2010 | Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2007 - 2008, Cycle XXIII - Duration 3 years from 01-11-2007 to 31-10-2010. |
| dal 01-11-2008 al 31-10-2011 | Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2008 - 2009, Cycle XXIV - Duration 3 years from 01-11-2008 to 31-10-2011. |
| dal 01-11-2010 al 31-10-2013 | Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2010 - 2011, Cycle XXVI - Duration 3 years from 01-11-2010 to 31-10-2013. |

dal 01-11-2011 al 31-10-2014	Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2011 - 2012, Cycle XXVII - Duration 3 years from 01-11-2011 to 31-10-2014.
dal 01-11-2012 al 31-10-2015	Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2012 - 2013, Cycle XXVIII - Duration 3 years from 01-11-2012 to 31-10-2015.
dal 01-01-2014 al 31-12-2016	Participation in the Teachers' Board of the Doctorate in "Earth Sciences": Proposing University: University of Basilicata. Starting academic year: 2013 - 2014, Cycle XXIX - Duration 3 years from 01-01-2014 to 31-12-2016.
dal 01-11-2017 al 31-10-2020	Participation in the Teachers' Board of the PhD in "APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD": Proposing University: University of Basilicata. Starting academic year: 2017-2018, - Cycle XXXIII - Duration 3 years from 01-11-2017 to 31-10-2020.
dal 08-03-2018 al 7-03-2021	Participation in the Teachers' Board of the PhD in "APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD": Proposing University: University of Basilicata. Starting academic year: 2018-2019, - Cycle XXXIV- Duration 3 years, from 08-03-2018 to 07-03-2021.
dal 01-11-2019 al 01-11-2022	Participation in the Teachers' Board of the PhD in "APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD": Proposing University: University of Basilicata. Starting academic year: 2019-2020, - Cycle XXXV- Duration 3 years, from 01-11-2019 to 01-11-2022.
Dal 01-11-2020 al 01-11-2023	Participation in the Teachers' Board of the PhD in "SCIENCES": Proposing University: University of Basilicata. Starting academic year: 2020-2021, - Cycle XXXVI- Duration 3 years, from 01-11-2020 to 01-11-2023.
Dal 01-11-2021 al 01-11-2024	Participation in the Teachers' Board of the PhD in "SCIENCES": Proposing University: University of Basilicata. Starting academic year: 2021-2022, - Cycle XXXVII- Duration 3 years, from 01-11-2021 to 01-11-2024.

FORMAL ALLOCATION OF TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT QUALIFIED FOREIGN OR SUPRANATIONAL UNIVERSITIES AND RESEARCH INSTITUTES

A.A. 2002-2003

- A.Y. 2002-2003, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University,

Potenza.

- - A.Y. 2002-2003, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2003-2004

- A.Y. 2003-2004, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2003-2004, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2004-2005

- A.Y. 2004-2005, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2004-2005, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2005-2006

- A.Y. 2005-2006, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2005-2006, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2006-2007

- A.Y. 2006-2007, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2006-2007, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2007-2008

- A.Y. 2007-2008, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2007-2008, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2007-2008, course of Crystalline Geology (5 CFU) (Degree in

Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2008-2009

- A.Y. 2008-2009, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2008-2009, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2008-2009, course of Crystalline Geology (5 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2009-2010

- A.Y. 2009-2010, course of Petrography (8 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2009-2010, course of Laboratory of Petrography (3 CFU) (Degree Course in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2009-2010, course of Crystalline Geology (5 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2009-2010 Exercises for the recognition of magmatic and metamorphic rocks (1 CFU) for the course of General Geology (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.

A.A. 2010-2011

- A.Y. 2010-2011, course in Petrography (8 CFU) (BSc. in Geological Sciences), Faculty of Science MM. FF. NN., University of Basilicata, Potenza.
- A.Y. 2010-2011, course of Laboratory of Petrography (3 CFU) (Degree in Geological Sciences), Faculty of Science MM. FF. NN. of Basilicata University, Potenza.
- A.Y. 2010-2011 exercises for the recognition of magmatic and metamorphic rocks (1 CFU) for the course of General Geology (Degree in Geological Sciences) Faculty of MM. FF. NN. of the University of Basilicata, Potenza.
- A.Y. 2010-2011, course of Petrography Applied to Cultural Heritage (Master's Degree Course in Geological Sciences and Technologies for the Environment), Faculty of Science MM. FF. NN. of the University of

Basilicata, Potenza.

A.A. 2011-2012

- A.Y. 2011-2012, course of Petrography (10 CFU) (BSc in Geological Sciences), Faculty of Science MM. FF. NN. of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2011-2012, course of Applied Petrography for Cultural Heritage (CFU 5), at the Scuola di Specializzazione per i Beni Archeologici in Matera.
- A.Y. 2011-2012, course of Laboratory for Natural Sciences (CFU 3), inter-faculty course (Faculty of Science - Faculty of Humanities) at the University of Calabria.
- A.Y. 2011-2012, 13 hours of exercises for the recognition of magmatic and metamorphic rocks, for the course of Geology I (Degree in Geological Sciences) Faculty of Science MM. FF. NN. of the University of Basilicata, Potenza.

A.A. 2012-2013

- A.Y. 2012-2013, course of Petrography (10 CFU), Degree Course in Geological Sciences, University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2012-2013, course of Laboratory of Petrography (3 CFU), Corso di Laurea in Scienze Geologiche dell'Università degli Studi della Calabria, Arcavacata di Rende (Cosenza).
- A.Y. 2012-2013, 8 hours of exercises for the recognition of magmatic and metamorphic rocks, for the course of Geology I (Degree in Geological Sciences), University of Basilicata, Potenza.

A.A. 2013-2014

- A.Y. 2013-2014, course of Petrography (10 CFU), Degree Course in Geological Sciences, University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2013-2014, course of Laboratory of Petrography (3 CFU), Degree Course in Geological Sciences, University of Calabria, Arcavacata di Rende (Cosenza).
- A.Y. 2013-2014, 8 hours of exercises for the recognition of magmatic and metamorphic rocks, for the course of Geology I (Bachelor of Science in Geological Sciences), University of Basilicata, Potenza.

A.A. 2014-2015

- A.Y. 2014-2015, course of Petrography (10 CFU), Degree Course in Geological Sciences, University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2014-2015, course of Petrography of rocks of industrial and environmental interest (6CFU), Laurea Magistrale in Geoscienze e

Georisorse, University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.

- A.Y. 2014-2015, course of Laboratory of Petrography (3 CFU), Degree Course in Geological Sciences, University of Calabria, Arcavacata di Rende (Cosenza).

A.A. 2015-2016

- A.Y. 2015-2016, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2015-2016, Environmental and Economic Petrography course (6CFU), Corso di Laurea Magistrale in Geosciences and Georesources of Università della Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2015-2016, Laboratory of Petrography course (3 CFU), Corso di Laurea in Scienze Geologiche of Università degli Studi della Calabria, Arcavacata di Rende (Cosenza).

A.A. 2015-2016

- Visiting Professor at the Department of Petrology and Geochemistry, Facultad de Ciencias Geológicas, Universidad Complutense de Madrid. dal 25-04-2016 al 28-04-2016.

A.A. 2016-2017

- A.Y. 2016-2017, course in Petrography (10 CFU), Master of Science in Geosciences and Georesources of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2016-2017, Environmental and Economic Petrography course (6CFU), Corso di Laurea Magistrale in Geosciences and Georesources of Università della Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2016-2017, Laboratory of Petrography course (3 CFU), Corso di Laurea in Scienze Geologiche of Università degli Studi della Calabria, Arcavacata di Rende (Cosenza).

A.A. 2016-2017

- Visiting Professor at the Department of Petrology and Geochemistry, Facultad de Ciencias Geológicas, Universidad Complutense de Madrid. dal 25-04-2017 al 28-04-2017.

A.A. 2017-2018

- A.Y. 2017-2018, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.

- A.Y. 2017-2018, Environmental and Economic Petrography course (6 CFU), Corso di Laurea Magistrale in Geosciences and Georesources of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.A. 2018-2019**
- A.Y. 2018-2019, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2018-2019, Environmental and Economic Petrography course (6 CFU), Corso di Laurea Magistrale in Geosciences and Georesources of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2018-2019, Petrology and Petrography course (3 CFU), School of Specialisation in Archaeological Heritage of the University of Basilicata, Matera.
- A.A. 2018-2019**
- Visiting Professor at the Faculty of Environmental Science Engineering, University Babes-Bolyai (Cluj-Napoca, Romania) dal 12-05-2019 al 17-05-2019.
- A.A. 2019-2020**
- A.Y. 2019-2020, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2019-2020, Environmental and Economic Petrography course (6 CFU), Corso di Laurea Magistrale in Geosciences and Georesources of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2019-2020, Petrology and Petrography course (3 CFU), School of Specialisation in Archaeological Heritage of the University of Basilicata, Matera.
- A.A. 2020-2021**
- A.Y. 2020-2021, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2020-2021, Environmental and Economic Petrography course (6 CFU), Corso di Laurea Magistrale in Geosciences and Georesources of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
 - A.Y. 2020-2021, Petrology and Petrography course (3 CFU), School of Specialisation in Archaeological Heritage of the University of Basilicata, Matera.

A.A. 2021-2022

- A.Y. 2021-2022, course in Petrography (10 CFU), Master of Science in Geosciences of the University of Basilicata, Potenza, according to art. 6, par. 4, L 240/2010.
- A.Y. 2021-2022, Petrology and Petrography course (3 CFU), School of Specialisation in Archaeological Heritage of the University of Basilicata, Matera.

ACHIEVEMENTS IN TECHNOLOGY TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF BREVETS

Member of the academic spin-off "ExtraGEO S.r.l.s.". The purpose of the spin-off is the promotion, valorisation, management and protection of the geological heritage (set of geosites present in the territory of the Region of Basilicata), in order to promote the scientific and technological transfer of research products of the regional and national production system, in accordance with the institutional mission of the University of Basilicata., from 29-07-2015 to date .

SPECIFIC PROFESSIONAL EXPERIENCE CHARACTERISED BY RESEARCH ACTIVITIES

- dal 28/12/2005 al 31/10/2008 Tutor for the PhD thesis of Dr. Salvatore Laurita (cycle XXI - PhD in Earth Sciences - University of Basilicata), entitled "The Ligurian accretion prism outcropping on the Calabrian-Lucanian border: a thermochronological and structural study".
- dal 01/11/2006 al 31/10/2009 Tutor for the PhD thesis of Dr. Maria Teresa Cristi Sansone (cycle XXII - PhD in Earth Sciences - University of Basilicata), entitled "Serpentinites and metadolerites of the Frido Unit: genesis, evolution and environmental problems".
- dal 06/10/2008 al 10/10/2008 Member of the Selection Committee (D.R. n.498 of 6.10.2008) for the Competition for Admission to the PhD programme in Earth Sciences (cycle XXIV) at the University of Basilicata.
- dal 20/10/2008 al 30/10/2008 Member of the Selection Committee (D.R. n.518 of 20.10.2008) for the competition for 1 research grant awarded by D.R. n.240 of 29.05.2008 for the scientific sector GEO/08 at the Department of Chemistry of the University of Basilicata.
- dal 09/12/2008 al 30/03/2009 Member of the Research Grants Committee (Prot. n. 23583/VIII/2 of 9 December 2008) of the University of Basilicata.
- dal 30/03/2009 al 30/03/2010 Member of the Research Grants Committee (Prot. n. 5202/III/11 of 30 March 2009) of the University of Basilicata.

- dal 17/12/2009 al 31/01/2010 Member of the Selection Committee (D.R. n.13167, of 17 December 2009) for the final examination for the title of PhD in "Petrography and Petrology" XXII cycle, administrative seat University of Catania.
- dal 19/04/2012 al 30/04/2012 Member of the Selection Committee (D.R. n.110 of 19.04.2012) for the competition for n.1 research grant (D.R. n.54 of 06.03.2012) for the scientific disciplinary sector GEO/05 at the Department of Structures, Geotechnics and Applied Geology of the University of Basilicata.
- dal 02/07/2012 al 02/09/2012 Member of the Examination Committee (DR n.209 of 2 July 2012) for the conduct of written and oral tests for admission to the active training courses (TFA) - first cycle. Class A060, Natural Sciences, Chemistry and Geography, Microbiology.
- dal 01/09/2012 al 30/08/2013 Scientific responsible for n.2 research grants at the University of Basilicata, with the title: 1) Oceanic and orogenic metamorphic evolution of the ophiolitic sequences of the Ligurian Units at the Calabro-Lucano border (Southern Apennines). 2) HP/LT metamorphism estimates of the Frido Unit (Southern Apennines). P-T-t paths based on new petrological and geochronological analyses.
- dal 17/10/2012 ad oggi Responsible for teaching and research of the Teaching Microscopy and Teaching Microscopy Laboratories of the Department of Science of the University of Basilicata.
- dal 30/05/2013 al 30/06/2013 Member of the Selection Committee (Prot. n.18576 of 30 May 2013) for a public competition, based on qualifications and examinations, for the recruitment of a staff member of category C, economic position C1, of the technical, technical-scientific and data processing area, on permanent contract, for the needs of the Department of Earth Sciences of the University of Calabria - D.D. 2531 of 07.09.2010 (G.U. n. 76 of 24/09/2010).
- dal 08/10/2014 al 08/10/2016 Member of the Joint Teachers-Students Committee (Device 225/2014) of the Department of Science (University of Basilicata).
- dal 13/10/2014 al 13/11/2014 Member of the Commission (DR n.427 of 13 October 2014) for the conduct of written and oral tests for admission to the second cycle of active training courses (TFA). Class A060, Natural Sciences, Chemistry and Geography, Microbiology.
- dal 02/11/2014 al 31/10/2017 Co-Tutor of the PhD thesis of Dr. Maria Carmela Dichicco (cycle XXX - International PhD in Applied Biology & Environmental Safeguard - University of Basilicata), entitled "Genesis of carbonate-rich veins in the serpentinites outcropping at the Calabria-Lucania boundary (southern Apennines)".

- dal 19/03/2015 a oggi Representative of the University of Basilicata (Prot. n. 4214/VII/4 of 19 March 2015) in the Partnership of the Operational Programme Basilicata 2014-2020/D.G.R. n.1594 of 22 December 2014.
- dal 08/04/2015 al 31/01/2021 Director of the University Student Orientation Centre (D.R. n.157, of 08 April 2015) of the University of Basilicata. From 08 April 2015 to 30 September 2019. The writer with D.R. n. 487 of 9 October 2019 will continue in office until the appointment of the bodies referred to in Article 60 of the General Regulations of the University.
- dal 09/07/2015 al 09/07/2015 Speaker and guide of the inspection visit to Timpa delle Murge and Timpa Pietrasasso (Pollino National Park) for the annexation of the park to the European and Global Geoparks Network (EGN/GGN).
- dal 11/09/2015 a oggi Member of the Technical-Scientific-Cultural Committee of the foundation "La Rabatana", and Expert in the sub-Committee "Diagnostics and characterization of materials" (Prot. n.14395/VII/4 of 11.09.2015).
- dal 25/09/2015 al 30/09/2015 Member of the Selection Committee (D.R. n.429 of 11.09.2015) for the Competition for Admission to the PhD in Applied Biology and Environmental Safeguard XXXI cycle of the University of Basilicata.
- dal 23/12/2015 a oggi Member of the Scientific Committee Pollino Geopark (Prot. n. 21362/I/14 of 23 December 2015).
- dal 24/02/2016 al 24/02/2017 Scientific Responsible for n.1 research grant for carrying out research activities related to the "Mineralogical-petrographic and geochemical study of the historical and current ceramics of Calvello", for the scientific disciplinary sector GEO/09-Geo-mineral resources and mineralogical and petrographic applications for the environment and cultural heritage.
- dal 29/07/2016 a oggi Member of the Permanent Interinstitutional Technical Table (Prot. n.12559/VII/4 of 29 July 2016) on Education and Training established by DGR n.1207/2011.

- dal 02/11/2016 al 30/09/2019 Co-Tutor of the PhD thesis of Dr. Agnese Bonomo (cycle XXXII - International PhD in Applied Biology & Environmental Safeguard- University of Basilicata), entitled "Compositional, textural, petrophysical and mechanical characterization of Calcarenite di Gravina from the Matera area: connection with geological features and degradation processes".
- dal 07/06/2017 a oggi Referent Consorzio AlmaLaurea (Prot. no. 8900/1/13 of 7 June 2017) of the University of Basilicata.
- dal 13/06/2017 al 10/09/2017 President of the Selection Committee (D.R. N. 152 of 13 June 2017) of the public selection, based on qualifications and interview, for the award of 53 Training Grants within the "Smart Basilicata" Project, Training Objective 1: Smart Natural Resources.
- dal 01/01/2018 a oggi Review of scientific articles submitted in scientific journals in the international databases 'Scopus' and 'Web of Science'.
- dal 13/02/2018 al 16/03/2018 Member of the Selection Committee (D.R. n.260, of 13 February 2018) of the final examination for the achievement of the title of PhD in "Sciences and Engineering of the Environment, Construction and Energy" XXIX cycle, administrative seat University of Calabria.
- dal 31/08/2018 al 21/11/2018 Member of the Selection Committee (Decree of the Director of Administrative Affairs and Personnel n.250 of 31/08/2018) for public selection, for qualifications and examinations for n.1 post of researcher with fixed-term contract at the National Institute of Geophysics and Volcanology (DAAP n.142 of 25/05/2018).
- dal 13/11/2018 a oggi University Coordinator for the P.O.T Orientation and Tutoring Plan 2017/2018 referred to in Article 5 of Ministerial Decree 1047/2017 (DR of 13 November 2018, Prot. 16454/VII/4).
- dal 14/02/2019 al 28/03/2019 Member of the Selection Committee (D.R. n.53, of 12 February 2019) of the final examination for the title of PhD in "Applied Biology and Environmental Safeguard" XXX and XXXI cycle of the 'University of Basilicata.
- dal 14/03/2019 al 25/03/2019 President of the Examining Committee (Provvedimento Direttoriale n. 67/2019 del 14 Marzo 2019) of the selective procedure, for the conferral of n. 1 assignment of occasional collaboration, for the duration of 2 months, within the Research Project "Le rocce ofiolitiche e la flora di Timpa delle Murge e Timpa Pietrasasso (Appennino meridionale)", for the development of the following activity "Sampling. Drafting of thematic geological cartography on rocks outcropping at Timpa delle Murge and Timpa Pietrasasso (Pollino National Park)". Responsible Dr. G. Rizzo

- dal 02/04/2019 al 16/04/2019 President of the Examination Committee (Directorial Measure n. 95/2019 of 02 April 2019) of the selective procedure, for the conferment of n. 1 assignment of occasional collaboration, for the duration of 1 month, within the Research Project "The ophiolitic rocks and the flora of Timpa delle Murge and Timpa Pietrasasso (Southern Apennines)", for the development of the following activity: "Mineralogical-petrographic characterization of rocks and relative outcropping soils at Timpa delle Murge and Timpa Pietrasasso (Pollino National Park)". Responsible Dr. G. Rizzo
- dal 01/10/2019 al 05/11/2020 Member of the Examination Committee for a public selection for examinations for the recruitment of a staff member of category C, economic position C1, Administrative Area, with permanent and full-time employment relationship for the internationalisation activities of the University of Basilicata (P.D.G. n.416 of 01 October 2019).
- dal 01/11/2019 a oggi Scientific coordinator of the project "Study of metal products, of Mediterranean marine origin: raw materials, production, degradation/ Study of metal products, of Mediterranean marine origin: raw materials, production techniques, degradation" financed within the framework of the third edition of the Basilicata Region/Unibas Convention "Innovative doctorates with specialisation in Enabling Technologies in Industry 4.0", cycle XXXV.
- dal 20/10/2020 a oggi Member of the Academic Senate of the University of Basilicata for the four-year period 2020-2024.
- dal 26/04/2021 al 29/06/2021 President of the Commission, Selection Code 06 - Geologists, for qualifications and examinations, for the recruitment on a full-time, fixed-term basis for the duration of 18 (eighteen) months of no. 58 units, with the professional profile of Collaboratori Tecnici e Amministrativi Professionali to be classified in category "D" - economic band "D/0" of the Comparto Sanità - APPROVED BY D.C.S. no. 92/2020.
- dal 16/11/2021 al 08/02/2022 Member of the Selection Committee for the following procedures: Law no. 160 of 27 December 2019 on: "Bilancio di previsione dello Stato per l'anno finanziario 2020 e bilancio pluriennale per il triennio 2020-2022".Art. 1 commi da 51 a 58 - Fondo Progettazione agli Enti Locali per la messa in sicurezza del territorio a rischio idrogeologico. OPEN PROCEDURE FOR THE ASSIGNMENT OF FINAL AND EXECUTIVE DESIGN SERVICES:
 ✓ Definitive and executive design for restoration of landslides in Casaleni CUP E49C21000260001 - CIG: 8836306E60

✓ Definitive and executive planning for restoration of landslides in Castelluccio
CUP E49C21000270001 - CIG: 883630800B

✓ Final and executive design for restoration of Masaniello landslide CUP
E49C21000280001 - CIG: 88363090DEdal 16/11/2021 al 08/02/2022

dal 11/01/2022 to date

Member of the Organising Committee for the 40th anniversary of the University of
Basilicata (R.D. no. 5 of 11 January 2022, prot. no. 443/II/18).

LIST OF SCIENTIFIC PUBLICATIONS

TYPEWRITTEN WORKS

1) **RIZZO G. (1998)** - Doctoral thesis: Contributi alla caratterizzazione di alcuni complessi rocciosi delle Alpi Orientali basati sullo studio degli zirconi. 144pp.

CURATORSHIP

1) SASSI F.P., CESARE B., MAZZOLI C., PERUZZO L., **RIZZO G.**, SASSI R., SPIESS R. (2003) - The abundance of 55 elements and petrovolumetric models of the crust in 9 types areas from the cristalline basements of Italy, with some geophysical and petrophysical data. *Scritti e Documenti Accad. Naz. delle Scienze detta dei XI*, vol. **32**, 464 pp.

2) PROSSER G., BENTIVENGA M., **RIZZO G.**, MARRONI M., PANDOLFI L. (2010) - Convegno annuale del Gruppo Italiano di Geologia Strutturale. *Rendiconti della Società Geologica Italiana*, 10, 160pp.

ARTICLES

1) **RIZZO G. (1999)** - Typology, chemistry and chronology of some zircons from the Eastern Alps. *Plinius*, **21**, 125-128.

2) ZANE A., **RIZZO G. (1999)** - The compositional space of muscovite in granitic rocks. *The Canadian Mineralogist*, **37**, part 5, 1229-1238.

3) **RIZZO G.**, PILUSO E., MORTEN L. (2001) - Phlogopite from the Serre ultramafic rocks, Central Calabria, Southern Italy. *European Journal of Mineralogy*, vol. **13**, 1139-1151.

4) **RIZZO G.**, PILUSO E., MORTEN L. (2004) - Phlogopite – bearing ultramafic rocks from the Serre massif, Calabrian Peloritan Arc, southern Italy: an example of hybridization between hydrous siliceous melts and peridotites?. *Geoacta*, 3, 81-96.

5) **RIZZO G. (2005)** - Zircons in rocks of the Austroalpine and Southalpine complexes of the Eastern Alps: differences and analogies. *Rend. Fis. Acc. Lincei*, 16, 311-325.

6) **RIZZO G.**, PILUSO E., MORTEN L. (2005) – Tonalitic to trondhjemitic dykes within metabasic lower-crust rocks, Serre Massif, Calabrian-Peloritan arc. *Boll. Soc. Geol. It.*, vol. spec. 4, 45-52.

7) GIAMMETTA R., **RIZZO G. (2007)** - I caratteri mineralogici della matrice suolo. In: Monitoraggio geochimico di acque, rocce, suoli e vegetazione nell'area della Fiumara di Atella. Centro Grafico Basilicata, Potenza, pp.13-20.

8) PERRI F., **RIZZO G.**, MONGELLI G., CRITELLI S., PERRONE V. (2008) – Zircon composition of Lower Mesozoic redbeds of the Tethyan margins West Central Mediterranean area. *International Geology Review*, vol. 50, 1022-1039.

- 9) SANSONE M.T. C., **RIZZO G.**, MONGELLI G. (2011) – Petrochemical characterization of mafic rocks from Ligurian ophiolites, southern Apennines. *International Geology Review*, 53, 130-156. DOI: 10.1080/00206810902954993.
- 10) **RIZZO G.** & PERRI F. (2012) - Differences between Southalpine and Austroalpine quartz phyllite complexes from the Eastern Alps: results from zircon chemical compositions and Pb/Pb dating. *International Geology Review*. 54, 455-471. HTTP://DX.DOI.ORG/10.1080/00206814.2011.561985
- 11) SANSONE M.T. C. & **RIZZO G.** (2012) - Pumpellyite veins in the metadolerite of the Frido Unit (southern Apennines-Italy). *Periodico di Mineralogia*, 81, 75-92. DOI 10.2451/2012PM0005
- 12) SANSONE M.T. C., PROSSER G., **RIZZO G.**, TARTAROTTI P. (2012a) - Spinel –peridotites of the Frido Unit ophiolites (Southern Apennines – Italy): evidence for oceanic evolution. *Periodico di Mineralogia*, 81, 35-59. DOI 10.2451/2012PM0003
- 13) SANSONE M.T.C, TARTAROTTI P., PROSSER G, **RIZZO G.** (2012b) - From ocean to subduction: the polyphase metamorphic evolution of the Frido Unit metadolerite dykes (Southern Apennine, Italy). In: (Eds.) Guido Gosso, Maria Iole Spalla, and Michele Zucali, Multiscale structural analysis devoted to the reconstruction of tectonic trajectories in active margins, *Journal of the Virtual Explorer*, v.41, paper 3. DOI: 103809/jvirtex.2011.00289
- 14) MONGELLI G., PATERNOSTER M., **RIZZO G.**, SANSONE M.T.C., SINISI R. (2013) - Trace element geochemistry of the Mt. Vulture carbonatites, southern Italy. *International Geology Review*, 55,1541–1552, DOI:10.1080/00206814.2013.786310
- 15) MONGELLI G., PATERNOSTER M., **RIZZO G.**, SINISI R. (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 Earth Sciences (Geol Rundsch)*, 103, 1125-1140, DOI 10.1007/s00531-014-1003-z16)
- 16) LAURITA S., PROSSER G., **RIZZO G.**, LANGONE A., TIEPOLO M., LAURITA A. (2014) - Geochronological study of zircons from continental crust rocks in the Frido Unit (Southern Apennines). *International Journal of Earth Sciences (Geol Rundsch)* DOI 10.1007/s00531-014-1077-7
- 17) DICHICCO M.C., LAURITA S., PATERNOSTER M., **RIZZO G.**, SINISI R. & MONGELLI G. (2015) - Serpentinite carbonation for CO₂ sequestration in the southern Apennines: preliminary study. *Energy Procedia*, 76, 477 – 486
- 18) **RIZZO G.**, SANSONE M.T.C, PERRI F., LAURITA S. (2016) - Mineralogy and petrology of the metasedimentary rocks from the Frido Unit (southern Apennines, Italy). *Periodico di Mineralogia*, 85, 153-168.
- 19) DICHICCO M.C., DE BONIS A., MONGELLI G., **RIZZO G.**, SINISI R. (2017) - μ -Raman Spectroscopy and X-ray diffraction of asbestos' minerals for geo-environmental monitoring: the case of the southern Apennines natural sources. *Applied Clay Science*, 141, 292-299
- 20) **RIZZO G.**, LAURITA S., ALTENBERGER U. (2018) –The Timpa delle Murge ophiolitic gabbros, southern Apennines: insights from petrology and geochemistry and consequences to the geodynamic setting. *Periodico di Mineralogia* vol. 87, p. 5-20, ISSN: 2239-1002, doi: 10.2451/2018PM741
- 21) LAURITA S., **RIZZO G.** (2018) - Blueschist metamorphism of metabasite dykes in the serpentinites of the Frido Unit, Pollino Massif. *Rendiconti Online della Società Geologica Italiana*, vol.45, p. 129-135, ISSN: 2035-8008, doi: 10.3301/ROL.2018.40
- 22) DICHICCO M.C., CASTIÑEIRAS P., GALINDO FRANCISCO C., GONZÁLEZ ACEBRÓN L., GRASSA F., LAURITA S., PATERNOSTER M., **RIZZO G.**, SINISI R., MONGELLI G. (2018) - Genesis of carbonate-rich veins in

the serpentinites at the Calabria-Lucania boundary (southern Apennines)., *Rendiconti Online della Società Geologica Italiana* vol.44, p. 143-149, ISSN: 2035-8008, doi: 10.3301/ROL.2018.20

23) SINISI R., MONGELLI G., PERRI F., RIZZO G. (2018) -The braunite (3Mn₂O₃·MnSiO₃)-rich mineralization in the metasedimentary succession from southern Apennines (Italy): Genesis constraints. *Ore Geology Reviews*, vol. 94, p. 1-11, ISSN: 0169-1368, doi: 10.1016/j.oregeorev.2018.01.014

24) DICHICCO M.C., LAURITA S., SINISI R., BATTILORO R., RIZZO G. (2018) - Environmental and Health: The Importance of Tremolite Occurrence in the Pollino Geopark (Southern Italy). *Geosciences*, vol. 8, p. 1-13, ISSN: 2076-3263, doi: 10.3390/geosciences8030098

25) BONOMO A.E., LEZZERINI M., PROSSER G., MUNNECKE A., KOCH R., RIZZO G. (2019) - Matera Building Stones: Comparison between Bioclastic and Lithoclastic Calcarenes. In: (a cura di): H. Sun T. Omatsu T. Yang, Building Materials, Materials Design and Applications. *Materials Science Forum*, vol. 972, p. 40-49, CH-8806 Baech:Trans Tech Publications Inc., ISSN: 0255-5476, doi: 10.4028/www.scientific.net/MSF.972.40

26) CANORA F., RIZZO G., PANARIELLO S., SDAO F. (2019) - Hydrogeology and Hydrogeochemistry of the Lauria Mountains Northern Sector Groundwater Resources (Basilicata, Italy). *Geofluids*, vol. 2019, p. 1-16, ISSN: 1468-8115, doi: 10.1155/2019/7039165

27) LAURITA S., RIZZO G. (2019) - The first occurrence of asbestiform Magnesio-riebeckite in schists in the Frido Unit (Pollino Unesco Global Geopark, Southern Italy). *Fibers*, vol. 7, p. 1-10, ISSN: 2079-6439, doi: 10.3390/fib7090079

28) DICHICCO M.C., PATERNOSTER M., RIZZO G., SINISI R. (2019) - Mineralogical Asbestos Assessment in the Southern Apennines (Italy): A Review. *Fibers*, vol. 7 (III), p. 1-13, ISSN: 2079-6439, doi: 10.3390/fib7030024

29) BONOMO A. E., ACITO A. M., PROSSER G., RIZZO G., MUNNECKE A., KOCH R., BENTIVENGA M. (2019) - Matera's Old Quarries: Geological and Historical Archives That Need Protection and Valorization. *Geoheritage*, ISSN: 1867-2477, doi: 10.1007/s12371-019-00413-x

30) BONOMO A.E., MINERVINO AMODIO A., PROSSER G., SILEO M., RIZZO G. (2019) - Evaluation of soft limestone degradation in the Sassi UNESCO site (Matera, Southern Italy): Loss of material measurement and classification. *Journal of Cultural Heritage*, ISSN: 1296-2074, doi: 10.1016/j.culher.2019.07.017

31) RIZZO G., CANORA F., DICHICCO M.C., LAURITA S., SANSONE M.T.C. (2019) - P-T estimates from amphibole and plagioclase pairs in metadolerite dykes of the Frido unit (southern Apennines-Italy) during the ocean-floor metamorphism. *Journal of Mediterranean Earth Sciences*, 11, 31-45.

32) RIZZO G., DICHICCO M.C., CASTIÑEIRAS P., GRASSA F., LAURITA S., PATERNOSTER M., SINISI R., MONGELLI G. (2020) - An Integrated Study of the Serpentinite- Hosted Hydrothermal System in the Pollino Massif (Southern Apennines, Italy). *Minerals*, 10, 127; DOI:10.3390/MIN10020127

33) BUCCIONE R., FORTUNATO E., PATERNOSTER M., RIZZO G., SINISI R., SUMMA V., MONGELLI G. (2021) -Mineralogy and heavy metal assessment of the Pietra del Pertusillo reservoir sediments (Southern Italy). *Environmental Science and Pollution Research*, 28:4857–4878 [HTTPS://DOI.ORG/10.1007/S11356-020-10829-6](https://doi.org/10.1007/S11356-020-10829-6)

34) MESTO E., LAURITA S., LACALAMITA M., SINISI R., RIZZO G., SCHINGARO E., MONGELLI G. (2021) - Crystal chemistry and thermal behavior of Fe-carpholite from the Pollino Massif, southern Italy. *American Mineralogist*, Volume 106, pages 123–134

35) PATERNOSTER M., BUCCIONE R., CANORA F., BUTTITTA D., PANEBIANCO S., RIZZO G., SINISI R., SUMMA V., G. MONGELLI G. (2021) - Hydrogeochemistry and Groundwater Quality Assessment in the High Agri Valley (Southern Italy). *Geofluids*, Article ID 6664164, 15 pages <https://doi.org/10.1155/2021/6664164>

36) PATERNOSTER M., RIZZO G., SINISI R., VILARDI G., DI PALMA L., MONGELLI G. (2020) - Natural

Hexavalent Chromium in the Pollino Massif Groundwater (Southern Apennines, Italy): Occurrence, Geochemistry and Preliminary Remediation Tests by Means of Innovative Adsorbent Nanomaterials. *Bulletin of Environmental Contamination and Toxicology*, 106:421–427 <https://doi.org/10.1007/s00128-020-02898-7>

37) **RIZZO G.**, BUCCIONE R., PATERNOSTER M., LAURITA S., BLOISE L., CALABRESE E., SINISI R., MONGELLI G. (2021) - Petrography and Geochemistry of the Leucocratic Rocks in the Ophiolites from the Pollino Massif (Southern Italy). *Minerals*, 11, 1264. [HTTPS://DOI.ORG/10.3390/MIN11111264](https://doi.org/10.3390/min11111264)

EXTENDED ABSTRACTS PRESENTED AT NATIONAL AND INTERNATIONAL CONFERENCES WITH REFEREES

1) **RIZZO G.**, PILUSO E., MORTEN L. (2000) - Phlogopite from the Serre ultramafics, central Calabria, Southern Italy. (*Congresso Advances on Micas - Roma*), 225-227.

2) MORTEN L., PILUSO E., **RIZZO G.** (2003) - Caratterizzazione di filoni leucocratici intrusi in granuliti di crosta continentale profonda delle Serre. *Convegno in memoria di Raimondo Selli e Renzo Sartori. La geologia del Mar Tirreno e degli Appennini*. Bologna 11-12 dicembre, 132-133 pp.

3) SINISI R., MONGELLI G., PATERNOSTER M., **RIZZO G.**, SANSONE M.T.C (2013) - The carbonatites of Mt. Vulture as a (re)source of rare earth elements. Mineral deposit research for a high-tech world. *Proceedings of the 12th SGA Biennial Meeting, 12-15 August 2013, Uppsala (Sweden), ISBN 978-91-7403-207-9, vol. 4, pp. 1742-1745.*

4) BONOMO A., PROSSER G., **RIZZO G.**, SILEO M. (2017) - Degradation diagnosis on Gravina Calcarene: classification and damage indexes on the Sassi di Matera site (Southern Italy). *IMEKO International Conference, Metrology for Archaeology and Cultural Heritage*. Lecce, 23-25 Ottobre.

5) PATERNOSTER M., **RIZZO G.**, SINISI R., VILARDI G., DI PALMA L., MONGELLI G. (2019) - Geogenic Cr(VI) in groundwater of the Pollino Massif (southern Apennines): occurrence and remediation. *16th International Conference on Environmental Science and Technology* Rhodes, Greece, 4 to 7 September 2019. CEST2019_00594.

ABSTRACTS IN JOURNALS

1) LAURITA S., BALESTRIERI M.L., BIGAZZI G., PROSSER G., **RIZZO G.** (2007) – Zircon fission track data in the continental crust rocks of Southern Apennines. *Geophysical Research Abstracts*, 9, 11179.

2) LAURITA S., PROSSER G., **RIZZO G.**, CAVALCANTE F. (2007) - Structural and metamorphic features of low-grade metasedimentary rocks of the Frido Unit (Southern Apennines). *Rend. Soc. Geol. It.*, 5, **Nuova Serie**, 161-163.

3) SANSONE M.T. C., MONGELLI G., PROSSER G., **RIZZO G.** (2007) - Petrography and geochemistry of ophiolitic dykes in the Liguride Units of the Lucania-Calabrian boundary (southern Italy). In: *“The evolution of Alps, Apennine and Tyrrhenian basin: contribution from petrology, geochemistry and structural geology”*; Workshop in memoria di Piera Spadea, Giuseppe Cello e Lauro Morten - Dip. Scienze della Terra, Università della Calabria, 7-9 Giugno 2007. *Ofioliti*, 32, 83.

4) PERRI F., **RIZZO G.**, MONGELLI G., CRITELLI S., PERRONE V. (2007) – Zircons typology and chemistry for Early Mesozoic continental redbeds of the Tethyan rifted continental margins, central-western Mediterranean Alpine Chain. In: *“The evolution of Alps, Apennine and Tyrrhenian basin: contribution from petrology, geochemistry and*

structural geology"; *Workshop* in memoria di Piera Spadea, Giuseppe Cello e Lauro Morten - Dip. Scienze della Terra, Università della Calabria, 7-9 Giugno 2007. *Ofioliti*, **32**, 81-82.

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TECHNICAL SKILLS AND COMPETENCES

POLARISED LIGHT OPTICAL MICROSCOPE: petrographic study, microstructural analysis; classification of rocks;

SCANNING ELECTRON MICROSCOPE (SEM): micro-morphological analysis of minerals;

ELECTRON MICROPROBE (EMPA): chemical microanalysis of mineralogical phases;

PETROTHIN: preparation of thin, shiny sections;

PARTICLE SIZE ANALYSIS: Traditional techniques (wet and dry sieving; fractional sedimentation and centrifugation);

XRD: Sample preparation for analysis (random and oriented powders), interpretation and identification of mineralogical phases through diffractograms, qualitative and quantitative analysis;

XRF: Sample preparation for chemical analysis, major and trace elements;

single crystal dating of zircons by the evaporation method;

COMPUTER: data analysis and processing; drafting of scientific texts; preparation of presentations of scientific results; preparation of geological maps; bibliographic research (**Office; Macromedia Freehand; Triplot, WinFit; Internet Explorer, Gresens92**).

ARTISTIC SKILLS AND COMPETENCES

Preparation of posters and Powerpoint presentations for conferences; seminars; workshops.

ASSOCIATIONS

Member of the National Petrography Group (GNP)

Member of the Italian Geological Society (SGI)

Member of the Italian Society of Mineralogy and Petrology (SIMP)

I authorise the processing of my personal data in accordance with Legislative Decree 196 of 30 June 2003.