

Procedura valutativa per la copertura di n. 1 posto di Professore Universitario di seconda fascia per il Settore concorsuale 04/A2 – Settore scientifico disciplinare GEO/03 presso il Dipartimento di Scienze della Terra – Facoltà di Scienze Matematiche, Fisiche e Naturali di cui al bando emanato con D.R. n. 2125/2018 del 27.08.2018, codice concorso 2018PAR032.

ALLEGATO B

***Sabina Bigi***

***Curriculum Vitae***

Place Rome, Italy

Date 20<sup>th</sup> September 2018

***Part I – General Information***

Full Name	Sabina Bigi
Date of Birth	02/07/1964
Place of Birth	Rome
Citizenship	Italy
Spoken Languages	Italian, English

***Part II – Education***

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1988	Sapienza University	110/110 cum laude, Title “Rilevamento geologico del settore meridionale della strutture del M. Picca e del M. La Queglia (Appennino abruzzese)”.
Licensure	1989	Sapienza University	Government exam and licensed as profession geologist
Advanced course	05/03/1990 16/03/1990	Florence University	Advanced school in Structural Geology, Erasmus Project.
Short course	28/05/90 06/06/90	Perugia University	Seismic interpretation Prof. A.W. Bally, Coordinator Prof. G. Pialli
Advanced School	03/04/1991 21/04/1991	International Centre for Theoretical Physics, Trieste, Italy	European Advanced School on Structural Geology and Tectonics Coordinator Prof. M. Boccaletti.
Erasmus grant	05/1991 09/1991	Aristotele University, Earth Science Dep. Salonicco, Greece	Erasmus grant, research activities on structural interpretation of fold and thrust belt.

Advanced course	30/03/1992 04/04/1992	Dipartimento di Scienze della Terra, Università di Siena	The geology of foreland thrust belts Prof. R.W.H. Butler
Advanced course	10/1992 11/1992	Dipartimento di Scienze della Terra, Università di Camerino	Advanced short course in Structural Geology and Tectonics, Proff J.G. Ramsay e D. Dietrich
PhD	1990-1993	Dipartimento di Scienze della Terra, Università di Camerino	Doctorate School on “Tectonics and structural geology. PhD thesis title “Caratterizzazione geologico-strutturale della zona esterna dell'Appennino abruzzese tra il Gran Sasso d'Italia e la Maiella. Tutor Pof. F. Calamita. Final defence on 14/07/1993.
Post Doc	1994	Dipartimento di Scienze della Terra, Università di Camerino	1 year, D.R. n. 177 del 11/01/1994
Advanced course	13/06/1994 18/06/1994	Terza Università di Roma, Dipartimento di geologia	The geology of foreland thrust belt Prof. R.H.W. Butler, Leeds University.
Short course	02/1995 (7 days)	Terza Università di Roma, Dipartimento di geologia	Short course of structural geology Prof. Chuck Kluth, Chevron Overseas (San Ramon, California)
Course IV Eurobasin School	08/1998 09/1998 (10 days, 2 days fieldtrip)	Royal Holloway University of London, Egham, Surrey TW20 0EX, England	Structural and sequence stratigraphic modelling of sedimentary basin Prof. D.J. Blundell
Combined Seminars	10/1999 12/1999	University of California, Santa Cruz	Combined Seminars on the Seismogenic zone Proff. Casey Moore, Eli Silver & Susan Schwartz.
Short course	26-29/11/2002	Earth Science Department Sapienza University	Faulting, Fracturing, and Fluid Flow: the Mechanics of Mineralization Prof. Rick Sibson, from Università di Otago, Nuova Zelanda

### ***Part III – Appointments***

#### **IIIA – Academic Appointments**

Start	End	Institution	Position
1996	1999	Sapienza University	Researcher
1999	Present day	Sapienza University	Confirmed researcher

2004	2006	Sapienza University	Representative of Researchers at the Executive Committee of Faculty of Science MM, FF and NN.
2005	2011	Sapienza University	Erasmus reference person for the Earth Science Department
2006	2012	Sapienza University	Member of Earth Science PhD School Council
2011	2014	Sapienza University	Erasmus Scientific coordinator for Faculty of Science MM, FF and NN
2013	2020		National scientific qualification as associate professor 04-A2 Structural geology, Stratigraphy, Sedimentology and Paleontology
2013	Present day	Sapienza University	Scientific coordinator of Fluid Chemical Lab (now Tectonics and Fluid Chemistry Lab) of the Earth Science Department ( <a href="http://www.dst.uniroma1.it/en/strutture/laboratori/laboratorio-di-chimica-dei-fluidi">http://www.dst.uniroma1.it/en/strutture/laboratori/laboratorio-di-chimica-dei-fluidi</a> )
2014	Present day	Sapienza University	CAM/RAM (Coordinatore accademico per la mobilità/ responsabile amministrativo per la mobilità) Erasmus scientific and administrative responsible for the students mobility for Earth and Natural Science.
2017	2023		National scientific qualification as full professor 04-A2 Structural geology, Stratigraphy, Sedimentology and Paleontology

### III B – Other Appointments

Start	End	Institution	Position
1994	1996	APAT Servizio geologico nazionale National Geological Survey	Contract Geological survey of Foglio “Torre de Passeri” n. 356, 1:50.000, CARG Project.
2004	2005	Under the agreement APAT Servizio geologico nazionale - Earth Science Department, Sapienza University	Carg Project, Tuscania, n. 344, Geological survey
10/1999	12/1999	UCSC – California University Santa Cruz, USA	Visiting researcher CNR grant

## ***Part IV – Teaching experience***

Academic Year	Institution	Lecture/Course
1994 -1995	BSc in Earth Science Faculty of Science, Sapienza University	Practical classes for the course Geologia strutturale (Prof. F. Calamita) 20 hours practice – 3 days fieldtrip
1995-1996	BSc in Earth Science Faculty of Science, Università degli Studi di Chieti "G. D'Annunzio	Lecturer (contract) Laboratorio di Geologia II, 60 hours of lessons, 20 hours practical class
1996-1997	BSc (4 and 5 years) in Earth Science Faculty of Science, Sapienza University	Practical classes for the courses: Structural geology (Prof. F. Calamita); Geology II (Prof. G. Mariotti); Regional Geology (Prof. E. Centamore)
1997-1998		
1998-1999		
1999-2000		
2000-2001		
2003-2004	BSc (4 and 5 years) in Earth Science Faculty of Science, Sapienza University	Practical classes for the course: Rilevamento Geologico (Prof. M. Santantonio) Fieldwork, 1 week
2004-2005		
2005-2006		
2006-2007		
2007-2008		
2008-2009		
2005-2006	LS - Scienze applicate ai beni culturali Faculty of Science, Sapienza University	Lecturer Strutture del Territorio (3 CFU)
2006-2007		
2007-2008		
2003-2004	L-34 Scienze Geologiche (00378 scienze geologiche ord.1993 and 00677 LDM509/99, ord. 2002) LS Prospezioni geologiche e cartografia (DM 509/99, ord. 2004-86S) Faculty of Science, Sapienza University	Lecturer Fondamenti di Geologia strutturale, 6 CFU, 1 day field work
2005-2006		
2006-2007		
2007-2008		
2008-2009		
2009-2010		
2010-2011		
2013-2014		

2005-2006	LS Geodinamica, geofisica e vulcanologia (DM 509/99 ord. 2004-86S)	Lecturer Geologia strutturale del fragile 6 CFU, 1 day fieldwork
2006-2007		
2007-2008		
2008-2009		
2009-2010		
2010-2011		
2011-2012		
2012-2013		
2013-2014		
2014-2015		
2015-2016		
2009-2010	LM-74 Geologia applicata all'ingegneria, al territorio e ai rischi (DM270/04 – ord 2011)	Lecturer Tettonica delle coperture 6 CFU
2010-2011		
2016-2017	LM-74 Geologia di esplorazione (DM270/04 – ord 2017)	Lecturer Interpretazione sismica e modellazione 3D (12 CFU)
2017-2018	LM-74 Geologia applicata all'ingegneria, al territorio e ai rischi (DM270/04 – ord 2017) Faculty of Science, Sapienza University	
2016-2017	LM-74 Geologia di esplorazione (DM270/04 – ord 2017)	Lecturer Lo stoccaggio geologico (6 CFU)
2017-2018	LM-74 Geologia applicata all'ingegneria, al territorio e ai rischi (DM270/04 – ord 2017) Faculty of Science, Sapienza University	
2016	Panarea Island, ECCSELL Laboratory <a href="http://www.ogs.trieste.it/it/content/eccsel-%E2%80%93-natlab-italy">http://www.ogs.trieste.it/it/content/eccsel-%E2%80%93-natlab-italy</a>	Scientific diving school Organization, and teaching activities underwater and theoretical lessons <a href="https://www.facebook.com/scuolasubpanarea/">https://www.facebook.com/scuolasubpanarea/</a>
2017		
2018	Latera Caldera, ECCELL Laboratory <a href="http://www.ogs.trieste.it/it/content/eccsel-%E2%80%93-natlab-italy">http://www.ogs.trieste.it/it/content/eccsel-%E2%80%93-natlab-italy</a>	I spring school of ENOS Project <a href="http://www.enos-project.eu/highlights/enos-spring-schools/enos-1st-spring-school-on-co2-geological-storage/">http://www.enos-project.eu/highlights/enos-spring-schools/enos-1st-spring-school-on-co2-geological-storage/</a>
2018	Sotacarbo, Carbonia, <a href="http://www.sulciscssummerschool.it/summer-school">http://www.sulciscssummerschool.it/summer-school</a>	Sulcis summer school (1hour seminar)

**Part V - Society memberships, Awards and Honors**

Year	Title
2014-present day	she is member of the Executive Committee of the CO2Geonet Network of Excellence ( <a href="http://www.co2geonet.com/home/">http://www.co2geonet.com/home/</a> ). This European scientific association is responsible for coordinating research into the geological storage of CO2 and disseminating its results. This role is assigned by election during the annual meeting (General Meeting) of the partners representatives.

**Part VI - Funding Information [grants as PI-principal investigator or I-investigator]**

Year	Title	Program
2000-2001	Modalità di seppellimento e circolazione di fluidi negli orizzonti di scollamento principali dell'Appennino	Sapienza University, Facoltà (60%)
2001	Analisi della distribuzione della densità di fratturazione in strutture geologiche semplici con metodi geostatistici	Sapienza University, Facoltà (60%)
2006	Tassi di sollevamento e di sedimentazione in strutture di crescita: esempi a confronto dall'Appennino e da Nankai	Sapienza University, Facoltà (60%)
From 2013	PF7 EU _ Sub-seabed CO2 Storage: Impact on Marine Ecosystems" (ECO2).	ENERGY-2010-1 Project number: 265847. Start date: 01/03/2011. team leader from 2013 to 01-04-2014 (end of project)
01-01-2015	Structural geological study on the Southern part of the "M'Sari Akabli" perimeter (Adrar Province, Algeria)	ENEL SpA (responsible from April 2016)
01-12-2016		
2014	Application of new technological solutions for the detection of the dissolved CO2 in sea water and the creation of a prototype to interface with an underwater observatory for real-world tests as part of the "MONSOON" project.	Research agreement – INGV-PA

2015	Collaboration to the onset and management of the ECCSELL Natlab-Italy of Panarea.	Research agreement – OGS Panarea
2016	Collaboration to the onset and management of the ECCSELL Natlab-Italy of Latera	Research agreement – OGS Latera
2014	Monitoring and geochemical characterization of the Sulcis Basin	Research agreement Sotacarbo – 2014 – Accordo di Programma MSE-ENEA sulla ricerca del sistema elettrico- piano annuale 2014 - Progetto B.2 Cattura e sequestro della CO2 prodotta dall'utilizzo di combustibili fossili
2014	Geological and structural characterization of the Serbariu coal mine.	Research agreement Sotacarbo – 2014 – Accordo di Programma MSE-ENEA sulla ricerca del sistema elettrico- piano annuale 2014 - Progetto B.2 Cattura e sequestro della CO2 prodotta dall'utilizzo di combustibili fossili
2015	Geostructural survey in the coal mine galleries	Research agreement Sotacarbo – 2015 – Accordo di Programma MSE-ENEA sulla ricerca del sistema elettrico - piano annuale 2015 - Progetto B.2 Cattura della CO2 in pre-combustione e trattamento del syngas con produzione di combustibili gassosi
2015	Geochemical continuous monitoring of CO2 in the Sulcis basin	Research agreement Sotacarbo – 2015 – Accordo di Programma MSE-ENEA sulla ricerca del sistema elettrico - piano annuale 2015 - Progetto B.2 Cattura della CO2 in pre-combustione e trattamento del syngas con produzione di combustibili gassosi
2015	Deformation processes and fluid circulation linked to the extensional phase in the central Apennines	Anno finanziario 2015 Ricerche UNIVERSITARIE Ateneo code C26A15SNAK

2016	Public perception on CO2 geological storage project	Research agreement Sotacarbo – 2016 Accordo di Programma MSE-ENEA sulla Ricerca di Sistema Elettrico Piano Annuale di Realizzazione 2015 Progetto B.2” Cattura e sequestro della CO2 prodotta dall’utilizzo di combustibili fossili
2016	Geostructural characterization of the Sulcis coal basin, Matzacarra area.	Research agreement Sotacarbo – 2016 Accordo di Programma MSE-ENEA sulla Ricerca di Sistema Elettrico Piano Annuale di Realizzazione 2015 Progetto B.2 “Cattura e sequestro della CO2 prodotta dall’utilizzo di combustibili fossili” Sub-obiettivo C.2: “Rilievo geostrutturale in galleria”
2016	Monitoring and geochemical characterization of the Sulcis coal basin	Research agreement Sotacarbo – 2016 -Accordo di Programma MSE-ENEA sulla Ricerca di Sistema Elettrico Piano Annuale di Realizzazione 2015 Progetto B.2” Cattura e sequestro della CO2 prodotta dall’utilizzo di combustibili fossili” Sub-obiettivo C.3 “Monitoraggio geochimico dell’area del bacino del Sulcis”
2017	Verification and management of previously installed probes for CO2 measurement and testing of continuous data transmission systems	Research agreement Progetto finanziato dalla ricerca di sistema elettrico (RSE) linea di ricerca B ”Monitoraggio e confinamento della CO2”
2017	Elaboration of the static geological model of a fault area and population of the static geological model large area with fracturing data (permeability distribution model)	Research agreement Progetto finanziato dalla ricerca di sistema elettrico (RSE) linea di ricerca B ”Monitoraggio e confinamento della CO2”
2017	Elaboration of the static geological model of the Matzacarra fault area and population of the static geological model of the area with fracture data (permeability distribution model)	Research agreement Progetto finanziato dalla ricerca di sistema elettrico (RSE) linea di ricerca B ”Monitoraggio e confinamento della CO2”



2017	Development of wireless soil gas monitoring station with 4 probes to measure CO <sub>2</sub> , temperature, pressure and soil humidity with remote data management and retrieval and optional extension to include CH <sub>4</sub> measurement	Research Contract NERC Natural Environment Research Council <a href="https://nerc.ukri.org/">https://nerc.ukri.org/</a>
2017	ENOS - ENabling Onshore CO <sub>2</sub> Storage	Europe Project number: 653718 Starting Date of Action: 1 September 2016 - Action duration (in months): 48 Enabling decarbonization of the fossil fuel-based power sector and energy intensive industry through CCS Type of action: Research and Innovation action Granting authority: Innovation and Networks Executive Agency Action duration (in months): 48 Team leader, Task leader dal 01-09-2016 – present day
2017	RESPIRE - Radon rEal time monitoring System and Proactive Indoor Remediation	LIFE16 ENV/IT/000553 LIFE Environment and Resource Efficiency project application dal 01/09/2017 al 31/08/2020 Project Leader

### ***Part VII – Participation to other project as structural geologist***

Year	Keywords	Brief Description
1995-1996	Geological survey	She worked in the project of regional geological cartography of sheets at 1: 50.000, Project CARG Abruzzo, with contract with the Service Company AQUATER, as geologist. Subsequently, as part of this project, she participated to write the Notes of the Sheets "L'Aquila" and "Torre de Passeri", compiled the cross sections and elaborating structural data.
1997	Structural geology tectonics	Research project with Texaco Energia S.p.A., through agreement with the Department of Earth Sciences for the “Structural study of the Teana permit, southern Apennines”. As part of this project, she was involved in the study of deformations of the chain and the influences on the structural setting of the buried Apula platform

1999-2002	Geological survey Structural analysis	"Task Force Maiella" project by the Agip, in collaboration with several Italian and foreign Universities and Research Institutes. The project concerns the geological aspects of faulting and fracturing of a hydrocarbon reservoir. As part of the project, she made the geological map of the northern sector of the Maiella and carried out the structural analysis at the mesoscale.
2004-2010	Fluid flow migration Fault architecture	CO2Geonet _Joint Research Activities Project (2004 - 2010) JRAP 2 Work Package - Conceptual model of gas migration from leaking natural analogue. In this project she contributed to the definition of the conceptual models of fluids migration through faults and fractures by means of studies carried out on outcropping faults and the drafting of the final report.
2004-2010	Geological static model	CO2Geonet Joint Research Activities Project. JRAP 16 Work Package – “Geological models, heterogeneity database and scale relations”. In this project she worked in the geological study of an area of the Apennines that could be assessed as a potential storage site
2007-2011	Fluid flow Modelling Fracture network analysis	Research project Schlumberger (2007-2011) Resp. Prof. Salvatore Lombardi - "Fluid flow simulation across faults and fracture: modelling and model development, calibration and validation". In this project she carried out the reconstruction, from field data, of a three-dimensional Fracture Network in order to carry out simulation of fluid migration. Fieldwork for data acquisition about 5 months, divided into 3 years in different areas of central Italy. Software used: Autocad, Move 2010, Petrel 2010, COMSOL Multiphysics.
2009-2010	Fracture network analysis Fracture modelling	Latemar project, Eni, Resp. Prof. Carlo Doglioni. “Modeling of fracturing at the edge of a carbonatic platform" with reference to the natural analogue of the Latemar massif, Dolomites. In this project she carried out the fieldwork to acquire the fracturing data in the years 2009 and 2010 (about 3 months) for the three-dimensional reconstruction of the Fracture network of the Latemar massif. Software used: ArcGis, Statistics, Petrel 2010.
2009	Structural geology	INGV-DPC “S1_ Seismogenic potential definition and seismic hazard”. Collaboration of field work and data processing
2010	CO2 leakage Fault mechanics	“Research into Impact and Safety in CO2 storage” (RISCS) - Call FP7-ENERGY-2009-1: Project number 240837. Start date: 01/01/2010. In this project she participated in fieldwork activities in order to define fault control on the circulation of fluids and leakage in areas considered "Natural Lab".
2010	Research network	“Pan-European coordination action on CO2 Geological Storage” (CGS Europe) Call FP7-ENERGY-2010-1. Project number: 256725. Start date: 01/11/2010. In this project she contributed to the construction of a research network with the participation in seminars and workshops.

2010	Geological characterization	“CO2 Sub-seabed Storage: Impact on Marine Ecosystems” (ECO2). Call FP7-ENERGY-2010-1. Project number: 265847. Start date: 01/03/2011. In this project she deals with the geological characterization of submarine sites.
2010	Seismic marine survey Seismic interpretation	CNR Project - National Research Council of Italy. Earth and Environment Department. "Acquisition of multichannel seismic reflection profiles in the central and southern Tyrrhenian Sea". Resp. Dr. D. Scrocca. In this project she participated to the seismic acquisition cruise October 2010 - Southern Tyrrhenian Sea and Pontine Islands (15 days) on the URANIA ship. Collaboration in the interpretation of the acquired data. Software used: ArcGis, Move 2010, Petrel 2010.
2010-2011	Fracturing Geological cross sections	Darius Project Resp. Dott. Eugenio Carminati - "Control of Cambrian on the geometry and strain of fault-related anticlines in the Zagros fold-and-thrust belt". In this project she carried out the processing of fracturing data from a fieldwork held in May 2010, reconstruction of the geo-mechanical model of the structures analysed. Software used: Statistics, Move 2010.
2010-2011	Fracture network analysis Characterization of a geothermal reservoir	Project CUIA (Italian Interuniversity Consortium for Argentina) – Resp. Dr. Chiara Invernizzi (University of Camerino) - "Exploration and use of medium and low enthalpy geothermal resources in the sub-Andean area for the sustainable energy development of the cities of the provinces of Jujuy and Salta". In this project she carried out the processing of fracturing data from a campaign held in May 2010, a three-dimensional reconstruction of the potential reservoir. She is also following, as a guide teacher, the activity of a research doctorate on the subject in collaboration with the Department of Geological Sciences of Roma Tre. Software used: ArcGis, Move 2010.
2010-2011	Soil gas survey Site characterization for geological storage	International collaboration project CNR - Institute of Geology and Geophysics, Chinese Academy of Sciences, Ministry of Foreign Affairs (2010-2011), bilateral Italy-China protocol, energy and environment macrosector. Resp. Dr. G. Cavinato. "Geological disposal of CO2: application of geochemical methods for site safety and monitoring". In this project she participated in the workshop to open the collaboration held in Beijing, December 2010, with a communication on faults and fluids and carried out the soil gas survey held in July 2011 in Tianshan and surroundings.
2011	Database	“Characterization of European CO2 storage” (SiteChar). Call FP7-ENERGY-2010-1. Project number 256705. Start date: 4 01/01/2011. In this project she collaborated in the construction of a European database for the definition of the geochemical baseline.

2011	Soil gas survey Structural analysis	Campania Region Project "Recent geological evolution and active tectonic area of the lower course of the Volturno River" - Resp. Dott.ssa A. Ascione. Funding of the Campania Region L. R. N.5 dated 28.03.2002. In this project she carried out the soil gas survey in Piano di Pecore (southern Apennines) in July 2011 (10 days) and the water sample collection for the study of dissolved gases.
2012	Scientific dissemination	"Research and Civil Society Dialogue towards a low-carbon society" (R&Dialogue). Call FP7-SCIENCE-IN-SOCIETY-2011-1. Project number: 288980. Start Date: 01/06/2012. In this project she contributed to the dissemination of knowledge within the CCS with the participation in seminars and workshops.
2014	Geothermal reservoir characterization Structural geology volcanology	MAE-MIUR Project Resp. Prof. G. Giordano, Roma Tre University "Sviluppo sostenibile dei sistemi geotermici associati ai sistemi vulcanici della Puna nelle Province di Salta e Jujuy" Argentina. In this project she carried out the study of fracturing and geological survey of the Tocomar basin, Salta Province. The work consisted of a fieldwork of 10 days, and re-elaboration of acquired data. Software used: ArcGis, Move 2010.
2016-2017	Seismology Marine geology	SEISMOFAULTS Project <a href="http://www.seismofaults.it/index.php">http://www.seismofaults.it/index.php</a> In this project she collaborated in the re-elaboration and interpretation of acquired data.
2018	Seismic interpretation	RETRACE 3D <a href="http://www.retrace3d.it/Gruppo.html">http://www.retrace3d.it/Gruppo.html</a> in this project she participate as associate to CNR-IGAG. She participates to the seismic interpretation and 3D modelling.

### ***Part VIII - Participants to Cofin/Prin projects***

Year	Title	Role
1999-2001	Interazione tra tettonica distensiva e compressiva a tetto della subduzione Appenninica. Protocollo 9904261312_001 Area 04 .	Resp. Carlo DOGLIONI Role: Participants Università degli Studi di ROMA "La Sapienza".
2001-2003	Rapporti tra tettonica compressiva e distensiva nella catena appenninica e comparazione colle zone di subduzione del Mediterraneo centro-orientale Protocollo 2001045878_001 Area 04	Resp. Scient. Carlo DOGLIONI Role: Participants Università degli Studi di ROMA "La Sapienza".
2006-2008	Rapporti tra tettonica compressiva e distensiva nella catena appenninica e comparazione colle zone di subduzione del Mediterraneo centro-orientale Protocollo 2005042223_003 Area 04.	Coord. Scient. Alberto INCORONATO Role Partecipat Università degli Studi di ROMA "La Sapienza"
2010-2012	Salienti e recessi nelle subduzioni di litosfera continentale Protocollo 2008 BYTF98_005 Area 04	Coord. Angelo PECCERILLO Role participants Università degli Studi di ROMA "La Sapienza"

**Part IX - Direction and/or participation to Editorial Committee**

Year	Journal	Role
2013	Marine and Petroleum geology	Guest Editor Special Issue: The Geology of the Periadriatic Basin and of the Adriatic Sea Volume 42 - pp.1-214 (April 2013)
2016- present day	Pure and Applied geophysics	Associate Editor
2014-present day	Co2Geonet Newsletter	Co-Editor

**Part X – Summary of Scientific Achievements**

Product type	N.	Data Base	Start	End
Papers	60	Scopus	1995	2018
	20	Isi Web of science	2012	2018
	110	Google Scholar	1987	2018
	83	Research Gate	1987	2018
Technical reports/ deliverables	14		2014	2018
Field guide excursions	7		2003	2010
Geological maps	6		1987	1998
Geological maps /CARG Project	4	Foglio “Torre de’ Passeri”, 1:50.000	1998	2006
		Foglio “L’Aquila”, 1:50.000.		
		Foglio “Pescorocchiano”, 1:50.000		
		Foglio “Tuscania” 1:50.000		

Value	Scopus	WOS	Scholar	research gate
Total Citations	604	104	1150	1000
Average Citations per Product	10	5,2	10,5	12
Hirsch (H) index	14	7	20	18
Normalized H index*	0,6	1	0,6	0,6
Total Impact factor (sum of the IF of all the published papers)	86,158			

\*H index divided by the academic seniority.

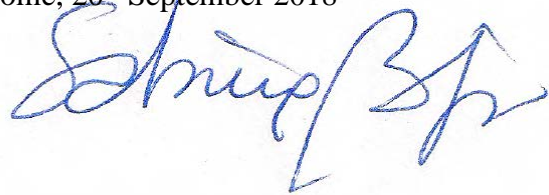
**Total Impact factor and average impact factor for publication, related to the year of publication.** Reference database Scopus  
Total IF (sum of all the IF related to the year of reference)

## Average IF (average value per year)

Year	n. paper	total IF	average if
2018	3	11,012	3,67
2017	10	8,313	0,832
2016	5	9,745	1,949
2015	4	6,961	1,740
2014	7	12,028	1,71
2013	6	15,891	2,649
2012	3	3,127	1,04
2011	4	6,59	1,64
2010	4	3,19	0,8
2009	1	0	0
2008	2	1,746	0,873
2006	1	2,118	2,118
2005	1	2,109	2,109
2003	2	2,408	1,204
2002	3	0	0
1999-1995	4	0,920	0,23

Total Impact factor (sum of the IF of all the published papers) from 1995 to 2018 is 86,158 and the average IF is 1,4.

Rome, 20<sup>th</sup> September 2018



## ***Part XI – Selected Publications***

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

- 1 Conti, A., Bigi, S., Cuffaro, M., Doglioni, C., Scrocca, D., Muccini, F., Cocchi, L., Ligi, M., Bortoluzzi, G. Transfer zones in an oblique back-arc basin setting: Insights from the Latium-Campania segmented margin (Tyrrhenian Sea). *Tectonics*, 36 (1), pp. 78-107. (2017) IF 3,583, n. cit. 4
- 2 Carminati, E., Aldega, L., Bigi, S., Minelli, G., Shaban, A. Not so simple "simply-folded Zagros": The role of pre-collisional extensional faulting, salt tectonics and multi-stage thrusting in the Sarvestan transfer zone (Fars, Iran) (2016) *Tectonophysics*, 671, pp. 235-248. IF 2,693 n.cit.13.
- 3 Bigi, S., Marchese, M., Meda, M., Nardon, S., Franceschi, M. Discrete fracture network of the Latemar carbonate platform. *Italian Journal of Geosciences*, 134 (3), pp. 474-494. (2015) IF 1,028, n. cit. 7
- 4 Maffucci R., Bigi S., Corrado S., Chiodi A., Di Paolo L., Giordano G., Invernizzi C. Quality assessment of reservoirs by means of outcrop data and "discrete fracture network" models: The case history of Rosario de La Frontera (NW Argentina) geothermal system. *Tectonophysics*, 647, pp. 112-131. (2015), IF 2,65, n. cit. 6
- 5 Bigi, S., Beaubien, S.E., Ciotoli, G., D'Ambrogi, C., Doglioni, C., Ferrante, V., Lombardi, S., Milli, S., Orlando, L., Ruggiero, L., Tartarello, M.C., Sacco, P. Mantle-derived CO<sub>2</sub> migration along active faults within an extensional basin margin (Fiumicino, Rome, Italy). *Tectonophysics*, 637, pp. 137-149. (2014) IF 2,872, n.cit. 15
- 6 Graziani, S., Beaubien, S.E., Bigi, S., Lombardi, S. Spatial and temporal pCO<sub>2</sub> marine monitoring near Panarea Island (Italy) using multiple low-cost gaspro sensors. *Environmental Science and Technology*, 48 (20), pp. 12126-12133. (2014) IF 5,33, n.cit. 8
- 7 Ciotoli, G., Bigi, S., Tartarello, C., Sacco, P., Lombardi, S., Ascione, A., Mazzoli, S., Soil gas distribution in the main coseismic surface rupture zone of the 1980, Ms= 6.9, Irpinia earthquake (southern Italy). *Journal of Geophysical Research: Solid Earth*, 119 (3), pp. 2440-2461. (2014) IF 3,426, n.cit. 12
- 8 Carminati, E., Aldega, L., Bigi, S., Corrado, S., D'Ambrogi, C., Mohammadi, P., Shaban, A., Sherkati, S. Control of Cambrian evaporites on fracturing in fault-related anticlines in the Zagros fold-and-thrust belt. *International Journal of Earth Sciences*, 102 (5), pp. 1237-1255. (2013) IF 2,084, n.cit.16
- 9 Bigi, S., Casero, P., Chiarabba, C., Di Bucci, D. Contrasting surface active faults and deep seismogenic sources unveiled by the 2009 L'Aquila earthquake sequence (Italy). *Terra Nova*, 25 (1), pp. 21-29. (2013) IF 3,321, n. cit. 16
- 10 Casero, P., Bigi, S. Structural setting of the Adriatic basin and the main related petroleum exploration plays. *Marine and Petroleum Geology*, 42, pp. 135-147. (2013) IF 2,496, n. cit. 15
- 11 Bigi, S., Conti, A., Casero, P., Ruggiero, L., Recanati, R., Lipparini, L. Geological model of the central Periadriatic basin (Apennines, Italy) *Marine and Petroleum Geology*, 42, pp. 107-121. (2013), IF 2,469, n. cit.13
- 12 Bigi, S., Battaglia, M., Alemanni, A., Lombardi, S., Campana, A., Borisova, E., Loizzo, M. CO<sub>2</sub> flow through a fractured rock volume: Insights from field data, 3D fractures representation and fluid flow modelling. *International Journal of Greenhouse Gas Control*, 18, pp. 183-199. (2013) IF 4,079, n. cit.10

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