

SEBASTIANO IMPOSA

Short Curriculum Vitae

PERSONAL INFORMATION

SEBASTIANO IMPOSA



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<https://www.facebook.com/labgeofisicaapplicata/>

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2026 – present	Board member of the Geologists Foundation of Sicily
2025 – 2026	President of the University Library System of the University of Catania (SBA).
2024 –present	Member of the Provincial Commission for the protection of natural and panoramic beauties of Ragusa. Decreto Assessoriale n.34/Gab del 14.3.2024 - Assessorato dei Beni Culturali e dell'Identità Siciliana- Regione Sicilia.
2024-2026	Scientific responsible of the internal agreement stipulated between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, and the Apsema Area UniCT, represented by Dr. Armando Conti. Experimental dynamic characterization of UniCt owned buildings by means of geophysical surveys,
2024	Scientific responsible of the Framework Agreement between the University of Catania through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, and the CNR-Institute of Environmental Geology represented by the director pro tempore, Dr. Gian Paolo Cavinato. Acquisition and analysis of geophysical data aimed at carrying out MS3 studies within the Territorial Operational Unit 1 (UOT 1), consisting of the following 7 Municipalities: Aci Catena, Acireale, Milo, Riposto, Sant'Alfio, Santa Venerina, Zafferana Etnea.
2024 - present	Scientific responsible of the Framework Agreement between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, hereinafter referred to as the University and the Region of Sicily - Regional Department of Cultural Heritage and Sicilian Identity - and for it the Archaeological and Landscape Park of Syracuse, Elòro, Villa del Tellaro and Akrai, represented by the pro tempore Director Arch. Carmelo Bennardo. Esecuzione di indagini geofisiche di tipo elettromagnetico (GPR) ed elettromagnetometrico (FDEM) in due aree all'interno del sito archeologico di Akrai (Palazzolo Acreide, SR),
2024	Scientific responsible of the internal agreement stipulated between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, and the Third Mission Area UniCT, represented by Dr. Rosanna Branciforte. Indagini geofisiche finalizzate alla ricostruzione delle strutture carsiche ipogee della "RNI Complesso Speleologico Villasmundo - Sant'Alfio" - (Siracusa)
2023	National Scientific Qualification for the functions of Full Professor in the Sector 04/A4 - GEOPHYSICS
2023–present	Scientific responsible of the Framework Agreement between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, hereinafter referred to as the University and the Region of Sicily - Regional Department of Cultural Heritage and Sicilian Identity - Department of Cultural Heritage and Sicilian Identity - and for the Superintendence of Environmental Cultural Heritage of Ragusa, represented by the superintendent pro tempore Dott. Antonino De Marco.

- 2021 – present Associate Professor of Applied Geophysics (SSD GEO/11) at the University of Catania.
Department of Biological, Geological and Environmental Sciences, Corso Italia, 57 – 95129, Catania, Italy.
- 2019 - 2021 Scientific responsible of the Framework Agreement between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, hereinafter referred to as the University and the Region of Sicily - Regional Department of Cultural Heritage and Sicilian Identity - and for it the Archaeological and Landscape Park of Syracuse, Elòro, Villa del Tellaro and Akrai, represented by the pro tempore Director Arch. Carlo Staffile.
- Geophysical surveys aimed at characterizing the subsoil of the investigated sites
- 2019 - 2022 Member of the Regional Public Works Commission – Sicilian Region
- 2021 Scientific responsible of the Framework Agreement stipulated between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, hereinafter referred to as the University and the Region of Sicily - Regional Department of Cultural Heritage and Sicilian Identity - Department of Cultural Heritage and Sicilian Identity - and for it the Superintendence of Environmental Cultural Heritage of Syracuse, represented by the superintendent pro tempore Arch. Irene Donatella Aprile.
- Geophysical surveys aimed at characterizing the subsoil of the investigated sites
- 2018 Scientific responsible of the Framework Agreement stipulated between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Rector, Prof. Francesco Priolo, hereinafter referred to as the University and the Region of Sicily - Regional Department of Cultural Heritage and Sicilian Identity - Department of Cultural Heritage and Sicilian Identity - and for the Superintendence of Environmental Cultural Heritage of Ragusa, represented by the superintendent pro tempore Arch. Giorgio Battaglia.
- 2016 - present Scientific responsible of the Agreement between the University of Catania, through the Department of Biological, Geological and Environmental Sciences, represented by the Director, Avv. Rosanna Branciforte and the Municipality of Ragusa.
- Geophysical investigations aimed at characterizing the subsoil on which the Palazzo della Cancelleria (Unesco Heritage) is built and the soil-to-structure interaction.
- 2016 - present Member of the University of Catania research group, belonging to the National Center for Seismic Microzonation.
- Centro per la Microzonazione Sismica e le sue applicazioni.
c/o Istituto di Geologia Ambientale e Geoingegneria – CNR. Area della Ricerca di Roma1 - Montelibretti -
Via Salaria km 29,300 - 00015 Monterotondo – Rome.

- Responsible for the geophysical surveys of the Marche 2 Operating Unit; execution of HVSR and MASW geophysical surveys and validation of all investigations carried out in the context of third-level seismic microzonation studies of the Municipalities affected by the seismic events that affected central Italy since August 2016.

2016 - 2017 Scientific responsible of a convention between the department of Biological, Geological and Environmental Sciences and the E.R.S.U.

E.R.S.U (Ente per il Diritto allo Studio Universitario) University of Catania - Via Etnea, 570 - 95128 Catania.

- Study aimed at characterizing the subsoil of the area on which the Student House stands, located at the University Citadel of Catania, through the execution of refraction seismic surveys, processed with tomographic method and 3D electrical tomography investigations.

2017 - 2021 C.U.N. (Consiglio Universitario Nazionale) Councilor

Ministero dell'Istruzione dell'Università e della Ricerca.
Viale Trastevere 76, 00153 -Rome.

2015 - 2020 Scientific responsible of a convention between the Department of Biological, Geological and Environmental Sciences and the University of Catania.

- Study of the vulnerability of part of the buildings owned by the University of Catania, through the execution of passive seismic single-station surveys HVSR.

2015 - present President of the Technical Commission established by the Municipality of San Gregorio di Catania following the signing of a framework agreement for collaboration between the University of Catania and the aforementioned Municipality.

- Studies for the seismic and geodetic characterization of the area affected by the fault that crosses the inhabited center of the San Gregorio di Catania Municipality.

2015 - present Scientific responsible of the Applied Geophysics Laboratory of the University of Catania.

2013 - 2015 Scientific responsible of a framework agreement between the University of Catania (Department of Biological, Geological and Environmental Sciences) and the Office of Civil Engineering of Catania.

- Monitoring of the Vampolieri hill area (Acitrezza), through the execution of geodetic measurements, using fixed measurement points, managed by the aforementioned office and integration with geophysical surveys.

2012 - 2014 Member of the Seismic Commission of the Regional Order of Geologists of Sicily.

2010 Head of the Working Group of an agreement between the Civil Protection - Sicilian Region and the University of Catania for the execution of geophysical studies, for first level seismic microzonation.

- Geophysical surveys in the municipalities of: Catania, Nicolosi, Trecastagni, Aci S. Antonio, Viagrande, Aci Castello, Tremestieri Etneo, Fiumefreddo di Sicilia, Mascali, Valverde, San Gregorio di Catania.

SEBASTIANO IMPOSA

Short Curriculum Vitae

- 2009 Scientific responsible for seismic characterization of the site where the "Venus of Morgantina" is located, Aidone (EN).

Appointment of the Superintendence to the BB.CC.AA of Enna.

- May 2008 - July 2006 Member of the commission for the evaluation of projects concerning the General Final Design, of the first excerpt of the works to protect the coastal strip of S. Maria del Focallo - Ispica (RG).

Appointment of the of the Ispica Municipality (RG)

- 2006 Lecturer at the 1st level Master in "Innovative technologies for the detection of decay and the planning of the restoration of Cultural Heritage", organized by the Faculty of MM. FF. NN. Sciences of the University of Catania, with the theme "Geophysical surveys applied to Cultural Heritage".

Lecturer in a training course in: "Training for research in the field of remediation of contaminated sites", organized by the University of Catania, with the theme "Application of geophysical survey methodologies aimed at research, highlighting and delimitation of polluted areas "

- 2005 Member of the working group of the Agreement between the Civil Protection - Sicilian Region and the University of Catania for a geophysical, geological and geotechnical study aimed at the seismic microzonation of the areas affected by the seismic events that occurred in the months of October, November and December 2002

- Geophysical surveys in the municipalities of Aci Catena, Acireale, Santa Venerina, Zafferana Etnea, Milo, Sant'Alfio, Giarre, Linguaglossa and Piedimonte Etneo.

- June - October 2004 Scientific responsible of the agreement stipulated between the University of Catania and the Superintendence of Archaeological and Cultural Heritage of Catania.

Studies and surveys in support of an "Urgent Intervention and Conservative Restoration in the Archaeological Area of the Roman Amphitheater of Catania".

- 1990 - 2019 Organizer, together with the Regional Order of Geologists of Sicily, and teacher of the XI Advanced Professional Course on the topic: "Earth Sciences and Cultural Heritage: aspects relating to knowledge, conservation and restoration"

Lecturer at a II level Master in "Disaster Manager", organized by the Faculty of Engineering of the University of Catania, having as a theme the study of "Seismic Response and Local Effects".

1990 Researcher of Geophysics at the University of Catania.

Department of Biological, Geological and Environmental Sciences, Corso Italia, 57 – 95129, Catania, Italy.

- The research activity was initially developed on seismological studies in areas of active volcanism for the reduction of seismic risk in eastern Sicily. For some years the scientific commitment concerns: the application of geophysical methodologies aimed at studying buildings of architectural interest; the evaluation of the dynamic response of sites, different from a geological point of view, when they are subjected to seismic stress; the study of the vulnerability of strategic buildings for their safety through expeditious passive seismic investigations (O.P.C.M. 3274/2003 and subsequent amendments); the application of geophysical surveys for the diagnostics of Cultural Heritage. The teaching activity was mainly concentrated in the courses of Institutions of Terrestrial Physics, Applied Geophysics to Cultural Heritage, Environmental Geophysics, Geophysical Exploration of the subsoil.

1988 - 1990 Temporary contract researcher at the Vesuvian Observatory in Naples.

Osservatorio Vesuviano, via Alessandro Manzoni, 249- 80129 Naples, Italy.

- Installation and management of a three-component digital seismic network around Mount Etna, including the acquisition, processing and interpretation phases of data.

1982 - 1987 Technical consultant of CO.GE.I. and FIR.EM. S.p.A., Invaso Lentini Group.

Italimprese S.p.A., via Nuova Luce, 67 - 95039 Tremestieri Etneo (CT), Italy.

- Geophysical surveys for the extraction of quarry materials; geophysical surveys for the characterization of conglomerate to be used for the construction of railway ballast.

EDUCATION AND TRAINING

January 2020 **National scientific qualification for the first level (Full Professor)**

August 2017 **National scientific qualification for the second level (Associate Professor)**

January 2014 **Qualification "Training of workers - Medium Risk"**

1987 **Qualification to practice as a geologist.**

SEBASTIANO IMPOSA

Short Curriculum Vitae

1976 - 1982

Degree in Geological Sciences.

Istituto di Scienze della Terra, Corso Italia, 55 – 95129 Catania – Università degli Studi di Catania.

- Earth physics
- Seismology
- Volcanology
- Geology
- Applied geophysics

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	B2

Communication skills

Good communication and interpersonal skills developed both in the university setting, on the occasion of the design of group work plans and lessons, and during participation as a speaker at national and international congresses and conferences, as well as technical discussions at numerous local and national institutions.

Willingness to listen and compare and sensitivity in the perception of individual needs, acquired thanks to teaching at the University of Catania.

Constructive attitude and excellent sense of adaptation acquired by attending different cultural environments, both in academia and in public administrations, where interaction is essential to achieve a shared goal.

Job-related skills

Excellent knowledge and ability to use the main instruments for the acquisition of applied geophysics data and the related specific acquisition and processing software; ability to use of software for 2D and 3D graphic modelling.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Excellent knowledge of Microsoft Office and Windows operating systems

Driving licence A and B

ADDITIONAL INFORMATION

Publications [2010 – present]

- S. Grassi, C. Pirrotta, **S. Imposa**, G. Morreale, G.A. Quattrocchi (2026): Identification and Characterization of Creep-Capable Faults Using Advanced HVSR Processing: Implications for Seismic Microzonation (Etna, Italy), *Geosciences*, 16 (7); 248.
- S. Grassi, G. Morreale, G., Giudice, D. Messina, G.A. Quattrocchi, P. Monforte, **S. Imposa** (2026): Advanced geophysical data analysis and 3D surveys for the detection and characterization of volcanic and karstic caves. *Remote Sensing Applications Society and Environment*, 42, <https://doi.org/10.1016/j.rsase.2026.102101>.
- Zingaro, M., Capolongo, D., Monforte, P., **Imposa, S.**, Cirrincione, R., Punturo, R., ... & Scicchitano, G. (2026). Using the Sediment Flow Connectivity Index to assess the environmental risk of naturally occurring fluoro-edenite: the unique case of Biancavilla (Italy). *Geografia Fisica e Dinamica Quaternaria*, 49(1), 45-56.
- Pirrotta, C., Gueli, A. M., Trigona, C., Pappalardo, E., & **Imposa, S.** (2025). Dynamic Characterization and Soil-Structure Interaction (SSI) of Heritage Buildings: The Case of the Norman Castle of Aci Castello (Sicily, Italy). *Heritage*, 8(12), 538.
- Morreale, G., Grassi, S., Araque-Pérez, C.J., Gilotti, A., Lanteri, R., Storaci, E., Teixidó, T. and **Imposa, S.**, 2025. Integration of Geophysical Methods to Obtain a Geoarchaeological Model of the Santa Lucia di Mendola Site (Southeastern Sicily—Italy). *Applied Sciences*, 15(22), p.12335.
- Morreale, G., Grassi, S., Araque-Pérez, C. J., Teixidó, T., & **Imposa, S.** (2025). High-Resolution GPR Surveys to Investigate the Internal Structure of Pillars Inside the Cathedral of San Giorgio in Ragusa Ibla (Sicily, Italy). *Remote Sensing*, 17(22), 3710.
- Pirrotta, C., Trigona, C., **Imposa, S.**, Mancuso, B., Pinto, V., & Gueli, A. M. (2025, June). Damping Analysis and Ongoing Kinetic Effects at the Castello Ursino Museum (Italy). In 2025 IEEE International Workshop on Metrology for Living Environment (MetroLivEnv) (pp. 100-104). IEEE.
- Morreale, G., Grassi, S., Messina, D., Monforte, P., Giudice, G., Quattrocchi, G., & **Imposa, S.** (2025, April). DC resistivity surveys compared to direct 3D surveys methods to characterize underground cavities in eastern Sicily (Italy). In EGU General Assembly Conference Abstracts (pp. EGU25-8531).
- Grassi, S., **Imposa, S.**, & Morreale, G. (2025). Passive Seismic Surveys for a Simplified Experimental Dynamic Characterization of the Messina Bell Tower (Sicily, Italy). *Applied Sciences*, 15(9), 4973.
- Pirrotta, C., Gueli, A. M., Trigona, C., & **Imposa, S.** (2025). Coherence Analysis for Vibration Monitoring Under High Variability Conditions: Constraints for Cultural Heritage Preventive Conservation. *Journal of Sensor and Actuator Networks*, 14(2), 45.
- Trigona, C., Pirrotta, C., **Imposa, S.**, Mancuso, B., Pinto, V., & Gueli, A. M. (2025, February). Exploiting Persistent Vibration Phenomena and MEMS Conversion Effects at the Castello Ursino Museum (Sicily, Italy). In 2025 IEEE 22nd International Multi-Conference on Systems, Signals & Devices (SSD) (pp. 1329-1333). IEEE.
- Barreca, G., Pepe, F., Sulli, A., Morreale, G., Gambino, S., Morticelli, M. G., ... & **Imposa, S.** (2025). Deformed archaeological remains at Lilybaeum in Western Sicily (southern Italy): possible ground signatures of a missed large earthquake. *Natural Hazards*, 121(3), 3099-3122.
- Pirrotta, C., Gueli, A. M., **Imposa, S.**, Salerno, G. A., & Trigona, C. (2024). Vibration Analysis at Castello Ursino Picture Gallery (Sicily, Italy) for the Implementation of Self-Generating AIN-MEMS Sensors. *Sensors*, 24(17), 5617.
- Gueli, A. M., **Imposa, S.**, Mancuso, B., Pinto, V., Pirrotta, C., Politi, G., ... & Trigona, C. (2024, April). Castello Ursino Museum's Structural Monitoring Enhanced by Self-Energized Solutions. In 2024 21st International Multi-Conference on Systems, Signals & Devices (SSD) (pp. 292-297). IEEE.
- Imposa, S.**, Grassi, S., Morreale, G., Pirrotta, C., Cavalier, L., Gilotti, A., ... & Calio, L. M. (2024). New discovery of an ancient building in Akragas (Valley of Temples, Agrigento, Italy) through the integration of geophysical surveys. *Journal of Archaeological Science: Reports*, 53, 104368.
- Grassi, S., Morreale, G., Lanteri, R., Gilotti, A., Latino, F., Di Raimondo, S., & **Imposa, S.** (2023). Integration of Geophysical Survey Data for the Identification of New Archaeological Remains in the Subsoil of the Akrai Greek Site (Sicily, Italy). *Heritage*, 6(2), 979-992.
- Imposa, G., Grassi, S., Barontini, A., Morreale, G., Russo, S., Lourenço, P. B., & **Imposa, S.** (2023). Extended tomograph surveys for a full experimental characterisation of the San Giorgio Cathedral in Ragusa (Italy). *Sensors*, 23(2), 889.
- Imposa, S.**, Cuomo, M., Contrafatto, L., Mineo, S., Grassi, S., Li Rosi, D., Barbano, M.S., Morreale, G., Galasso, M. and Pappalardo, G. (2023). Engineering Geological and Geophysical Studies Supporting Finite Element Analysis of Historical Buildings after Dynamic Identification. *Geosciences*, 13(3), p.84.
- Giacomo Imposa, Sabrina Grassi 2, Alberto Barontini, Gabriele Morreale, Salvatore Russo, Paulo B. Lourenço and **S. Imposa** (2023). Extended Tromograph Surveys for a Full Experimental

Short Curriculum Vitae

Characterisation of the San Giorgio Cathedral in Ragusa (Italy). *Sensors* 2023, 23, 889. <https://doi.org/10.3390/s23020889>

Sabrina Grassi, Gabriele Morreale, Rosa Lanteri, Angelo Gilotti, Federico Latino, Saro Di Raimondo and **S. Imposa** (2023). Integration of Geophysical Survey Data for the Identification of New Archaeological Remains in the Subsoil of the Akrai Greek Site (Sicily, Italy). *Heritage*, 6, 979–992. <https://doi.org/10.3390/heritage6020055>

Sabrina Grassi, Giorgio De Guidi, Graziano Patti¹, Fabio Brighenti, Francesco Camemolla, **S. Imposa** (2022). 3D subsoil reconstruction of a mud volcano in central Sicily by means of geophysical surveys. *Acta Geophysica*, 70, pages1083–1102, <https://doi.org/10.1007/s11600-022-00774-y>.

Salvatore Alparone, Alessandro Bonforte, Salvatore Gambino, Sabrina Grassi, Francesco Guglielmino, Federico Latino, Gabriele Morreale, Graziano Patti, Laura Privitera, Francesco Obrizzo, Andrea Ursino and **S. Imposa** (2022). Characterization of an Active Fault through a Multiparametric Investigation: The Trecastagni Fault and Its Relationship with the Dynamics of Mt. Etna Volcano (Sicily, Italy). *Remote Sens.* 14, 4760. <https://doi.org/10.3390/rs14194760>.

Sabrina Grassi, Maria Serafina Barbano, Claudia Pirrotta, Gabriele Morreale and **S. Imposa** (2022). Seismic Soil–Structure Interaction of Three Historical Buildings at the University of Catania (Sicily, Italy). *Heritage*, 5, 3562–3587. <https://doi.org/10.3390/heritage5040185>

Patti, G., Grassi, S., Morreale, G., Corrao, M., & **Imposa, S.** (2021). Geophysical surveys integrated with rainfall data analysis for the study of soil piping phenomena occurred in a densely urbanized area in eastern Sicily. *Natural Hazards*, 108(3), 2467–2492.

Grassi, S., Patti, G., Tiralongo, P., **Imposa, S.**, & Aprile, D. (2021). Applied geophysics to support the cultural heritage safeguard: A quick and non-invasive method to evaluate the dynamic response of a great historical interest building. *Journal of Applied Geophysics*, 189, 104321.

Caielli, G., de Franco, R., Di Fiore, V., Albarello, D., Catalano, S., Pergalani, F., Cavuoto, G., Cercato, M., Compagnoni, M., Facciorusso, J., Famiani, D., Ferri, F., **Imposa, S.**, Martini, G., Pacello, A., Paolucci, E., Passeri, F., Piscitelli, S., Puzzilli, L.M. & Vassallo, M. (2020). Extensive surface geophysical prospecting for seismic microzonation. *Bulletin of Earthquake Engineering*, 18(12), 5475–5502.

Pappalardo, G., Mineo, S., **Imposa, S.**, Grassi, S., Leotta, A., La Rosa, F., & Salerno, D. (2020). A quick combined approach for the characterization of a cliff during a post-rockfall emergency. *Landslides*, 17(5), 1063–1081.

Grassi, S., **Imposa, S.**, Patti, G., Boso, D., Lombardo, G., & Panzera, F. (2019). Geophysical surveys for the dynamic characterization of a cultural heritage building and its subsoil: The S. Michele Arcangelo Church (Acireale, eastern Sicily). *Journal of Cultural Heritage*, 36, 72–84.

Catalano, S., Grassi, S., **Imposa, S.**, Tortorici, G., Cavuoto, G., Di Fiore, V., ... & Romagnoli, G. (2019). The subsoil model for seismic microzonation study: The interplay between geology, geophysics and geotechnical engineering. In *Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions* (pp. 948–959). CRC Press.

D'Amico, S., **Imposa, S.**, Panzera, F., Lombardo, G., Betti, M., Muscat, R., ... & Grassi, S. (2017, October). Evaluating dynamic behavior of historical buildings through ambient seismic noise measurement and numerical modelling. In *Proceedings of IMEKO International Conference on Metrology for Archaeology and Cultural Heritage*, Lecce, Italy.

Tortorici, G., Romagnoli, G., Grassi, S., **Imposa, S.**, Lombardo, G., Panzera, F., & Catalano, S. (2019). Quaternary negative tectonic inversion along the Sibillini Mts. thrust zone: the Arquata del Tronto case history (Central Italy). *Environmental earth sciences*, 78(1), 1–12.

Imposa, S., Grassi, S., Di Raimondo, S., Patti, G., Lombardo, G., & Panzera, F. (2018). Seismic refraction tomography surveys as a method for voids detection: an application to the archaeological park of Cava Ispica, Sicily, Italy. *International Journal of Architectural Heritage*, 12(5), 806–815.

Imposa S., Grassi S., Patti G., Boso D. (2018). New data on buried archaeological ruins in Messina area (Sicily Italy) from a ground penetrating radar survey. *Journal of archaeological Science: Reports*, 17, 358–365.

S. Imposa, S. Grassi, F. Fazio, G. Rannisi, P. Cino (2017). Geophysical surveys to study a landslide body (northeastern Sicily). *Nat Hazards*, 86:S327–S343.

S. Imposa, F. Panzera, S. Grassi, G. Lombardo, S. Catalano, G. Romagnoli, G. Tortorici (2017). Geophysical and geologic surveys of the areas struck by the August 26th 2016 Central Italy earthquake: The study case of Pretare and Piedilama. *Journal of Applied Geophysics*, 145, 17–27.

S. Imposa, S. Grassi, G. De Guidi, F. Battaglia, G. Lanaia, S. Scudero (2016). 3D Subsoil Model of the San Biagio ‘Salinelle’ Mud Volcanoes (Belpasso, Sicily) derived from Geophysical Surveys. *Surv. Geophys.*, 37(6):1117–1138. DOI 10.1007/s10712-016-9380-4

G. Pappalardo, **S. Imposa**, S. Mineo, S. Grassi (2016). Evaluation of the stability of a rock cliff by means of geophysical and geomechanical surveys in a cultural heritage site (south-eastern Sicily). *Italian Journal of Geosciences*, 135(3):308–323. DOI:10.3301/IJG.2015.31

Imposa, S., De Guidi, G., Grassi, S., Scudero, S., Barreca, G., Patti, G., & Boso, D. (2015). Applying geophysical techniques to investigate a segment of a creeping fault in the urban area of San Gregorio di Catania, southern flank of Mt. Etna (Sicily - Italy). *Journal of Applied Geophysics*, 123, 153-163. <https://doi.org/10.1016/j.jappgeo.2015.10.008>

S. Imposa, S. Grassi (2015). Georadar survey inside the Santa Maria Maggiore Church of Ispica (Sicily-Italy) – *Environmental Earth Sciences*, 73(5):1939-1949.

De Guidi, G. Barberi, G. Barreca, V. Bruno, F. Cultrera, S. Grassi, **S. Imposa**, M. Mattia, C. Monaco, L. Scarfi, S. Scudero (2015). Geological, seismological and geodetic evidence of active thrusting and folding south of Mt. Etna (eastern Sicily): Revaluation of “seismic efficiency” of the Sicilian Basal Thrust. *Journal of Geodynamics*, 90:32-41. DOI:10.1016/j.jog.2015.06.001

Imposa S, Mele G., Corrao M., Coco G. (2015). Borehole seismic surveys for the mechanical and seismic characterization of a calcareous cliff in the area of Ispica (southeastern Sicily). *Bulletin Of Engineering Geology and the Environment*, vol. 74, p. 971-980, ISSN: 1435-9529, doi: 10.1007/s10064-014-0683-8.

Salvatore Scudero, Giorgio De Guidi, **Imposa S**, Gilda Currenti (2015). Modelling the long-term deformation of the sedimentary substrate of Mt. Etna volcano (Italy). *Terra Nova*, vol. 27, p. 338-345, ISSN: 1081-0749, doi: 10.1111/ter.12165

Imposa S, Mele G., Corrao M., Coco G., Battaglia G. (2014). Characterization of decay in the wooden roof of the S. Agata church of Ragusa Ibla (southern Sicily) by means of sonic tomography and resistograph penetration tests. *International Journal of Architectural Heritage*, vol. 8, p. 213-223, ISSN: 1558-3058, doi: 10.1080/15583058.2012.685924

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Honours and awards

1987

Winner of the Young Graduates prize, announced by the Accademia Gioenia of the University of Catania

Memberships

SEBASTIANO IMPOSA

Short Curriculum Vitae

2018 – present	Member of the Accademia Gioenia of Catania
2017 – present	Member of EGU (European Geosciences Union) and AGU (America Geophysical Union)
1992 – present	Member of IAVCEI (International Association of Volcanology and Chemistry of the Earth's Interior)
1985 – present	Member of GNGTS (Gruppo Nazionale di Geofisica della Terra Solida)

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