

ROBERTO DAVOLI

Nationality: Italian/Greek

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[in Roberto Davoli](https://www.linkedin.com/in/RobertoDavoli)

EDUCATION

| | |
|-----------------|---|
| | Scuola Italiana di Atene (Italian School of Athens) 2001 – 2013 |
| 2013-2017 | Bachelor's Degree in Geological Sciences (180 ECTS) Sapienza University of Rome Thesis Title: Analisi di facies delle aree vegetate a Fanerogame del Male South Atoll (Maldives). (Facies analysis of the phanerogam vegetated areas of the South Male Atoll, Maldives). |
| 02/2018-07/2018 | Erasmus University of Granada |
| 2018-2019 | Master's Degree in Geophysics and Meteorology (GEOMET, 60 ECTS) Specialization in Geophysics University of Granada Thesis Title: Análisis de la sismicidad en el estrecho de Bransfield (Antártida) durante el año 2018 y el principio del año 2019. (Analysis of the seismicity in the Bransfield Strait (Antarctica) during 2018 and the beginning of 2019). |
| 2019-2020 | Master's Degree in Geology Applied to Mineral and Energy Resources (GEOREC, 60 ECTS) Specialization in Energy Resources University of Granada Thesis title: Seismic Anisotropy of the Upper Crust in the Bransfield Strait (Antarctica). |
| 06/2020-08/2020 | Erasmus + Traineeship National and Kapodistrian University of Athens. Objectives: Learn to use specific scientific software of shear-wave splitting, analysis of seismological data and interpretation of results of a shear-wave splitting analysis |
| 08/2022-present | PhD Candidate within the Marie Skłodowska-Curie European Training Network "Innovative Multi-disciplinary European Research training network on VolcanoEs" (MSCA-ETN IMPROVE) at Ludwig-Maximilians-Universität München (LMU Munich), Department of Earth and Environmental Sciences, Munich, Germany Research Title: Evolution of permeability in Krafla's geothermal field and associated seismo-acoustic patterns https://www.improve-etn.eu/index.php/researchers/roberto-davoli/ |

LANGUAGES

Italian: Native Speaker

Greek: Native Speaker

English: Advanced User

Spanish: Advanced User

German: Basic User

PROGRAMS AND OPERATING SYSTEMS

Seisan, ArcGIS, QGIS, Pytheas, MS Office, LibreOffice, Python (Basic User), Matlab (Basic User)
Linux, Windows

PROJECTS

April 2019

Erasmus+ Youth Exchange (01-12/04/2019)

Rural Tourism

Objectives: Develop entrepreneur and leadership skills through debates, role playing, simulations, and workshops. Develop teamwork skills and effective use of promotion tools.

Dilijan, Armenia

September 2019

Corinth Rift Laboratory School 2019 (20-24/09/2019)

<http://school2019.crlab.eu>

Corinth Rift International Investigation Laboratory Objectives: Learn new geophysics methods (eg. GPS, SAR), hands-on use of instruments, application of the aforementioned techniques on other seismically active zones.

University of Patras, Patras

Nafpaktos, Greece

September 2021

The Peter Bormann Young Seismology Training Course (YSTC) 2021: Seismology for Science and Society (13-17/09/2021)

<https://www.erasmus.gr/microsites/1193/programystc>

Training course intended for postgraduate students of seismology and early career scientists.

Virtual

MERITS

Scholarship for the Master GEOREC of the University of Granada for the academic year 2019-2020 from Repsol S.A

2008-2015

Member of the Greek National Fencing Team (Sabre)

5 times Gold Medalist in the Greek Championship

Silver Medalist in the Mediterranean Fencing Championship U-17 (2011)

Top 16 in the World Fencing Championship U-17 (2011)

2 times Top 64 in the World Absolute

PUBLICATIONS

Almendros, J., Wilcock, W., Soule, D., Teixidó, T., Vizcaíno, L., Ardanaz, O., Granja-Bruña, J.L., Martín-Jiménez, D., Yuan, X., Heit, B., Schmidt-Aursch, M.C., Geissler, W., Dziak, R., Carrión, F., Ontiveros, A., Abella, R., Carmona, E., Agüí-Fernández, J.F., Sánchez, N., Serrano, I., **Davoli, R.**, Krauss, Z., Kidiwela, M., Schmahl, L. (2020). BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. *Journal of South American Earth Sciences*, 104. doi:10.1016/j.jsames.2020.102834

CONFERENCES

Davoli, R., Almendros, J., Kaviris, G. (2021). Seismic anisotropy study of the upper crust in the Bransfield Strait (Antarctica). **37th General Assembly of the European Seismological Commission, 19-24 September 2021, Session 10, Abstract #142.**

<https://www.erasmus.gr/microsites/1193/final-detailed-programme>

Davoli, R., Engels, K., Montanaro, C., Ricci, T., Sciarra, A., Weller, D., Scheu, B. (2023). Permeability and degassing of the surficial Krafla lithologies: implications of the subsoil variability. **IAVCEI 2023 Scientific Assembly, 30 January – 03 February 2023, Rotorua, New Zealand, Poster session 3.**
<https://confer.eventsair.com/iavcei2023/programme>

Davoli, R., Engels, K., Montanaro, C., Ricci, T., Sciarra, A., Scheu, B. (2024). Subsurface soil and lithology alteration shaping degassing at Krafla caldera, Iceland. **The Krafla Magmatic Testbed Symposium, 10-12 April 2024, Munich, Germany.** <https://kmt.is/the-krafla-magma-testbed-symposium/>

Davoli, R., Engels, K., Montanaro, C., Ricci, T., Sciarra, A., Scheu, B. (2024). Subsurface soil and lithology alteration shaping degassing at Krafla caldera, Iceland. **EGU General Assembly 14-19 April 2024, Vienna Austria. Highlight talk at Session GMPV8.2.**

Davoli, R., Engels, K., Montanaro, C., Ricci, T., Sciarra, A., Scheu, B. (2025). Influence of subsurface soil and lithology alteration on degassing at Krafla Caldera, Iceland. **IAVCEI 2025 Scientific Assembly, 29 June – 04 July 2025, Geneva, Switzerland, Poster session 3.8.**
<https://e5k.github.io/IAVCEI-SA2025/abstracts/3-8-16/>

FIELD CAMPAIGNS

MOREE 2022 (Monitoring the Origins and Repercussions of an Effective Exhumation) GNSS Campaign from June 2nd to 12th (Peloponnese, Greece), approved by CNRS (program TELLUS). <https://nfo.crlab.eu/gnss-campaign-moree-2022>

OTHER ACTIVITIES

Member of the Organising Committee of the Corinth Rift Laboratory School 2022
<https://nfo.crlab.eu/crl-school-2022>

REFERENCES

Available on request