







PERSONAL INFORMATION



Erald SILO

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Sex Male | Date of birth 22/12/1986 | Nationality Albanian

OCCUPATION POSITION

Geophysical Engineer  
Specialist at Geophysics and geodesy sector in the department of Engineering Geology, Geophysics and Geodesy, Albanian Geological Survey

PREFERRED JOB

Environmental and Engineering Geophysics / Exploration Geophysics / Lecturer

WORK EXPERIENCE

2020 – ongoing

Lecturer

Polytechnic University of Tirana, Faculty of Geology and Mining, Elbasani road, Tirana, Albania (higher education institution)

- Teaching

22.04.2013 – ongoing

Specialist

Albanian Geological Survey, Myslym Keta road, Tirana, Albania (government institution)

- Author and co-author in the projects of the Departments of Albanian Geological Survey

EDUCATION AND TRAINING

11.09.2014

Doctor of Science

Polytechnic University of Tirana, Faculty of Geology and Mining

- Doctorate titled “**Aplikimi i metodave sizmike të valëve të refraktuara dhe të reflektuara në problemet e inxhinierisë civile**”. (Grade: **Very good**)

2011-2012

Microthesis

Polytechnic University of Tirana, Faculty of Geology and Mining

- Microthesis titled “**Aplikimi i sizmikës refraktuese në studimet gjeoteknike të kompleksit hidroenergjetik të Devollit**”. (Grade: **10**)

2010-2011

Doctorate School

Polytechnic University of Tirana, Faculty of Geology and Mining

- Weighted average grade: **8.98**

2008-2010

Master of science in Engineering Geophysics

Polytechnic University of Tirana, Faculty of Geology and Mining

- Second level diploma in **Engineering Geophysics**

2005-2008

Bachelor in Earth Science

Polytechnic University of Tirana, Faculty of Geology and Mining

- First level diploma in **Earth Science**

2001-2005

High School Diploma

Janaq Kilica High School, Fier

- Janaq Kilica High School Diploma

PERSONAL SKILLS

Mother tongue(s) Albanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
English language diploma, level C1					
German	A2.1	A2.1	A2.1	A2.1	A2.1
German language certificate, level A2.1					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
[Common European Framework of Reference for Languages](#)

- Communication and Social skills
- Good Communicator
  - Collaborator
  - Helper
  - Diplomatic
  - Patient in relations with otherd

- Organisational / managerial skills
- Respect timelines
  - Planning
  - Delegator
  - Attention to detail

Digital skills	Self-Evaluation				
	Information processing	Communication	Information productin	Security	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user – Independent user – Proficient user  
[Digital competences - Self-assessment grid](#)

- Social media (LinkedIn, Twitter, Facebook, Instagram)
- Research (networking, Google advanced search)
- Document processing (Microsoft Office, Google Suite, Adobe Acrobat)
- Graphics (Adobe Photoshop, Adobe Illustrator)
- Professional programs (AutoCAD Map 3D, ArcGIS, Matlab, Golden Software Surfer, SeisImager 2D/3D, Seismic Unix, CREWES Matlab Toolbox, C/C++)
- Operating systems (Microsoft Windows, Unix)

Driving license

- B

ADDITIONAL INFORMATION
 

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## Scientific works

1. **SILO, E., ORMENI, R., SKRAME, K.** "Application of seismic methods for studying the technical conditions of water reservoir dams" NSG 2022 28th European meeting of Environmental and Engineering geophysics, 19-22 September 2022 Belgrade, Serbia. DOI: <https://doi.org/10.3997/2214-4609.202220023>
2. **SILO, E., ORMENI, R., SKRAME, K.** "Studying landslides with active and passive seismic methods" NSG 2022 28th European meeting of Environmental and Engineering geophysics, 19-22 September 2022 Belgrade, Serbia. DOI: <https://doi.org/10.3997/2214-4609.202220154>
3. **ORMENI, R., SILO, E., SKRAME, K., BILGIN, H., KANANI, Xh.** "Recent moderate earthquakes of Korçë-Leskovik seismogenic zone in Albania" NSG 2022 28th European meeting of Environmental and Engineering geophysics, 19-22 September 2022 Belgrade, Serbia. DOI: <https://doi.org/10.3997/2214-4609.202220043>
4. **SILO, E.**, "Study of the technical conditions of water reservoir dams using seismic methods". 11th Balkan Geophysical Society Congress, [bgscongres.org](http://bgscongres.org), Romania 10-14 October 2021.
5. **SILO, E., Ormeni, R.**, "Use of active and passive seismic methods in the study of landslides". 11th Balkan Geophysical Society Congress, [bgscongres.org](http://bgscongres.org), Romania 10-14 October 2021.
6. **SILO, E., LAMAJ, M.**, "The use of active and passive seismic methods for the study of landslides in the Bagoj village". *Buletini Shkencave Gjeologjike*, vol. 1/2020, viti 39 (56) i botimit, ISSN:0254-5276
7. **SILO, E.**, "Study of the technical condition of water reservoir dams using seismic methods". *International Conference Geoscience and Earthquake Engineering—Challenges for Balkan Region*, 26-28 November 2020, Tirana Albania, **Proceedings book: 9789928339003**.
8. **Ormeni, R., SKRAME, K., HOXHA, I., SILO, E.**, "Strong Earthquakes in Durrës during 2019 and their associated seismogenic zone". *International Conference Geoscience and Earthquake Engineering—Challenges for Balkan Region*, 26-28 November 2020, Tirana Albania, **Proceedings book: 9789928339003**.
9. **SILO, E., LAMAJ, M., ORMENI, R.**, "Use of active and passive seismic methods in the study of landslides". *International Conference Geoscience and Earthquake Engineering—Challenges for Balkan Region*, 26-28 November 2020, Tirana Albania, **Proceedings book: 9789928339003**.
10. **SALAJ, E., BEJTAJ, SH., SILO, E.**, "Assessment and monitoring of geodynamic phenomena of reservoir dams, through geological engineering and geophysical methods". *International Conference Geoscience and Earthquake Engineering—Challenges for Balkan Region*, 26-28 November 2020, Tirana Albania, **Proceedings book: 9789928339003**.
11. **SILO, E., STAFA, B.**, "Application of Seismic methods in the evaluation of geodynamic phenomena of water reservoirs", *XVIII-th Balkan Mineral Processing Congress* 26-28 November 2020, Tirana Albania, **Proceedings book: 9789928339003**.
12. **SILO, E.**, "Seismic refracted and Surface Waves used to Studying of Landslides". *First Western Balkan Conference Gis, Mine Surveying, Geodesy and Geomatics* Tirana Albania, 3-4 October 2018, ISBN 978-9928-07-599-4
13. **SILO, E.**, "The application of seismic refracted and surface waves for the studying of Ngraçie village landslide, Albania". *Journal of International Environmental Application & Science*, Volume 9 – Issue 1, 2014, p. (130-137), ISSN 1307-0428, Impact Factor: (Index Koperniku), [jieas@jieas.com](mailto:jieas@jieas.com), <http://www.jieas.com>
14. **SILO, E.**, "The measurement of seismic waves in the framework of the Hydropower plants Ashta-Drini River, Albania". *Albanian Journal of Natural and Technical Sciences (AJNTS)*, 35 (2) 2013, p. (97-107), ISSN 2074-0867

15. **SILO. E.**, "Real amplitude processing of seismic data in Peri-Adriatic Depression Area, Albania". *7th Congress of the Balkan Geophysical Society*, Tirana, Albania, 7-10 October 2013, EAGE, *PROCEEDINGS* ISBN:978-90-73834-55-2; ISSN:2214-4609, [www.eage.org](http://www.eage.org)
16. **SILO. E.**, "Evaluation of geotechnical characteristics of soils through seismic surface waves for the Ashta Hpp, Albania". *7th Congress of the Balkan Geophysical Society*, Tirana, Albania, 7-10 October 2013, EAGE, *PROCEEDINGS* ISBN: 978-90-73834-55-2; ISSN: 2214-4609, [www.eage.org](http://www.eage.org)
17. **SILO. E.**, "The effects of landslide on the habitation objects and the results of the use two dimensional electrical resistivity". *7th Congress of the Balkan Geophysical Society*, Tirana, Albania, 7-10 October 2013, EAGE, *PROCEEDINGS* ISBN: 978-90-73834-55-2; ISSN: 2214-4609, [www.eage.org](http://www.eage.org)
18. **SILO. E.**, "Aplikimi i valëve sizmike të refraktuara dhe sipërfaqësore për studimin e rrëshqitjes në fshatin Ngraçie-Ballësh" Revista "NAFTA SHQIPTARE", 2013, nr.2, ISBN: 978-99281-882-1-0 [www.alb-petrol.com](http://www.alb-petrol.com)
19. **SILO. E.**, "Seismic refraction aspects performed on support to geotechnical investigations". Revista "NAFTA SHQIPTARE", 2012, nr.2, f.(15-25), ISBN: 978-99281-882-1-0, [www.alb-petrol.com](http://www.alb-petrol.com)
20. **SILO. E.**, PRENJASI E., SILO. V., "True amplitude processing of seismic data in PAD area, Albania". Revista "NAFTA SHQIPTARE", 2012, nr.2, f.(15-25), ISBN: 978-99281-882-1-0, [www.alb-petrol.com](http://www.alb-petrol.com)
21. **SILO. E.**, BUSHATI. S., SILO. V., "Seismic refraction performed on support to geotechnical investigations and seismic hazard evaluation for Hpp Ashta, Albania". Buletini i Shkencave Gjeologjike, viti 31 (48) i botimit. *Konferencë Jubilarë "90 vjet Gjeologji Shqiptare"*, (26-28) Tetor-2012; ISSN: 0254-5276.
22. **SILO. E.**, BUSHATI. S., SILO. V., "Evaluation of seismic hazard of Hpp Ashta, Albania". *6th Congress of the Balkan Geophysical Society*, Budapest, Hungary, 3-6 October 2011, EAGE. *Proceedings* ISBN: 978-90-73834-55-2; ISSN: 2214-4609, [www.eage.org](http://www.eage.org)
23. **SILO. V.**, MUSKA. K., SILO. E., "Hydrocarbon evaluation aspects in Neogene clastic reservoirs, Vlorë- Elbasan region, Albania". *Italian Journal of Geosciences* vol.132, No.2, 2013, p. (220-227); ISSN:2038-1727 (on-line); ISSN:2038-1719 (printed), Impact Factor: 0.663; [www.italianjournalgeosciences.it](http://www.italianjournalgeosciences.it)
24. **NIKOLLA. L.**, QORRI. A., SILO. E., "The tectonic and structural styles of Albanides". Revista "NAFTA SHQIPTARE", 2012, nr.1, f.(3-7), ISBN: 978-99281-882-1-0, [www.alb-petrol.com](http://www.alb-petrol.com)
25. **PRENJASI. E.**, ARAPI. L., SILO. E., "Possible geological targets for underground storage of natural gas in Albania". Buletini i Shkencave Gjeologjike, viti 31 (48) i botimit. *Konferencë Jubilarë "90 vjet Gjeologji Shqiptare"*, (26-28) Tetor-2012; ISSN: 0254-5276
26. **SILO. V.**, NISHANI. P., SILO. E., "Hydrocarbon exploration under of Kruja zone in Tirana-Rodon area, Albania". *Journal of the Balkan Geophysical Society*, Volume 13 Nr 1, p. (9-16), 2010, ISSN 1302-1672, [www.balkangeophysoc.gr](http://www.balkangeophysoc.gr)
27. **SILO. V.**, BUSHATI. S., SILO. E., "Gas detection in the Peri Adriatic Depression area by true amplitude processing of seismic data". *6th Workshop of the ILP Task Force on Sedimentary Basins*, November 7-12, 2010, Tirana, Albania.
28. **SILO. V.**, MUSKA. K., SILO. E., "Hydrocarbon evaluation aspects in molasses reservoirs, Vlorë-Elbasan region, Albania". *6th Workshop of the ILP Task Force on Sedimentary Basins*, November 7-12, 2010, Tirana, Albania.
29. **SILO. V.**, NISHANI. P., SILO. E., "Hydrocarbon exploration under of Kruja zone in Tirana-Rodon area, Albania". *5-th Congress of Balkan Geophysical Society*. Belgrade, Serbia, 10-16 May 2009, EAGE, *Proceedings* ISBN: 978-90-73834-55-2; ISSN: 2214-4609 [www.eage.org](http://www.eage.org)

## Scientific projects

1. **MARKU. S.**, HYSENAJ. R., DEDA. D., SILO. E., et al “Studimi e përgjithësimi i vazhdimësisë së strukturave gjeologjike të rajonit Sazan-Grykëderdhja e Bunës në drejtim të detit Adriatik, në shkallë 1:50000”, ([Albanian Geological Survey](#)), **2020-2022**.
2. **SALAJ. E.**, DEDA. M., SILO. E., et al “Përcaktimi i trashësisë së zhavorreve pranë urave në rrjedhjet e poshtme të lumenjve me metoda gjeofizike dhe studimi gjeofizik i rrëshqitjes së Poravës”, ([Albanian Geological Survey](#)), **2021**.
3. **LAMAJ. M.**, SILO. E., et al “Vlerësimi e monitorimi i fenomeneve gjeodinamike të digave të rezervuarëve. ujëmbajtës, nëpërmjet metodave gjeofizike dhe gjeologo-inxhinierike”, ([Albanian Geological Survey](#)), **2018-2020**
4. **JAUPAJ. O.**, KARRIQI. A., SILO. E., et al “Dixhitalizimi, ndërtimi i databases, ripërpunimi dhe ri-interpretimi i materialit arkivor gjeofizik për rajonin Munellë”, ([Albanian Geological Survey](#)), **2019**.
5. **LAMAJ. M.**, SILO. E., et al “Vlerësimi e monitorimi i fenomeneve gjeodinamike të digave të rezervuarëve ujëmbajtës nëpërmjet metodave gjeologo-inxhinierike dhe gjeofizike”, ([Albanian Geological Survey](#)), **2017**.
6. **SILO. E.**, KENGA. M. “Studime Gjeologo-Inxhinierike e Hidrogjeologjike emergjente: Vlerësimi e monitorimi i fenomeneve gjeodinamike të digave të rezervuarëve ujëmbajtës, nëpërmjet metodave gjeologo-inxhinierike dhe gjeofizike”, ([Albanian Geological Survey](#)), **2016**.
7. **KULIÇI. H.**, LAMAJ. M., SILO. E., et al “Studim gjeologo–inxhinierik dhe gjeofizik mbi qëndrueshmërinë e digës së liqenit artificial të Manskurisë”, Qarku Durrës. ([Albanian Geological Survey](#)), **2015**.
8. **SILO. E.**, AZEMI. B., SALAJ. E., et al “Aplikimi i metodave sizmike të valëve të refraktuara dhe sipërfaqësore, në ndihmë të rajonizimit gjeologo-inxhinierik në territorin e Qarkut Elbasan. ([Albanian Geological Survey](#)), **2015**.
9. **SILO. E.**, HOXHA. E., et al Complex geological geophysical study of the landslides conditions of Tirana district, Albania. ([Albanian Geological Survey](#)), **2014**.
10. **NENAJ. S.**, SILO. E., et al “Complex geological geophysical study of the landslides conditions of village Ngraçie, Albania”. ([Albanian Geological Survey](#)), **2013**.
11. **SILO. E.**, “Aplikimi i sizmikës refraktuese në studimet gjeoteknike të Kompleksit Hidroenergjetik të Devollit”, Mikrotezë në kuadrin e përgatitjes së Doktoraturës, (Bib. F.G.J.M Tiranë), **2012**.
12. **SILO. V.**, SILO. E., “Seismic Refraction Measurements and Interpretation”, Region Devoll, HPP Gramsh, Albania. Devoll Hydropower Sh.a. [Statkraft Company](#), **2009**.
13. **SILO. V.**, SILO. E., “Studim sizmik me metodën e valëve të refraktuara”, Rruga e Arbërit, Zall-Bastar, ([A.L.T.E.A & GEOSTUDIO 2000, Sh.p.k, Tiranë](#)), **2009**.

## Scientific books

1. **SILO. E.**, “**SIZMIKA DHE SIZMOLOGJIA**” (Leksione të përgatitura). ([Në përgatitje për botim, 600 fq.](#)) **2021**
2. **SILO. E.**, “**FIZIKA E GLOBIT**” (Leksione të përgatitura). **2020**
3. **SILO. E.**, SILO. V., “**VALËT SIZMIKE SIPËRFAQËSORE DHE APLIKIMI I TYRE NË INXHINIERINË CIVILE**” ShtypshKRONJA “KLEAN”, ISBN: 978-9928-4303-2-8, viti 2016, 224 fq. (Bib. F.G.J.M Tiranë).
4. **SILO. V.**, SILO. E., “**SIZMIKA STRATIGRAFIKE**” Shtypshkronja “KLEAN”, ISBN: 978-9928-4250-8-6, viti 2015, 290 fq. (Bib. F.G.J.M Tiranë).
5. **SILO. V.**, BUSHATI. S., SILO. E., “**GJEOFIZIKA E ZBATUAR NË SHKENCAT E TOKËS**” Shtypshkronja “KLEAN”, ISBN: 978-9928-4096-5-2, viti 2012, 560 fq. (Bib. F.G.J.M Tiranë)